- ВЪЗЛОЖИТЕЛ: **ОБЩИНА БРАТЯ ДАСКАЛОВИ**

- ОБЕКТ: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

ЛАЧОВ ЕТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

- ЧАСТ: **ГЕОДЕЗИЯ**
- ФАЗА: **РАБОТЕН ПРОЕКТ**

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
Секция: ГПГ
Части на проекта: по удостоверение за ППП
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

- ПРОЕКТАНТ:
- **Инж. Диан Стоянов**

Община Братя Даскалови
СЪГЛАСУВАМ/ОДОБРЯВАМ
ГЛ. АРХИТЕКТ: Б. ГЕОРГИЕВ
Дата: 03. 02. 2017

- **Инж. Пламен Буланов** (Водещ проектант)) .....

камара на инженерите в инвестиционното проектиране

УДОСТОВЕРЕНИЕ

ЗА ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ

Регистрационен номер № 11962

Важи за 2016 година

инж. ДИАН СТОЯНОВ СТОЯНОВ

ОБРАЗОВАТЕЛНО-КВАЛИФИКАЦИОННА СТЕПЕН

МАГИСТЪР

ПРОФЕСИОНАЛНА КВАЛИФИКАЦИЯ

ИНЖЕНЕР ПО МАРКШАЙДЕРСТВО И ГЕОДЕЗИЯ

включен в регистъра на КИИП за лицата с пълна проектантска правоспособност с протоколно решение на УС на КИИП 94/30.11.2012 г. по части:

ГЕОДЕЗИЯ, ПРИЛОЖНА ГЕОДЕЗИЯ, ВЕРТИКАЛНО ПЛАНИРАНЕ, ТРАСИРОВЪЧНИ ПРОЕКТИ И ПЛАНОВЕ, ПЛАНОВЕ ЗА РЕГУЛАЦИЯ

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ КИИП

Председател на РК

инж. С. Колев

Председател на КР

инж. И. Каралеев

Председател на УС на КИИП

инж. Ст. Кинарев

2016

ОБЕКТ: **"РЕКОНСТРУКЦИЯ НА ОБЩИНСКИ ПЪТ SZR 1001 ОТ ПЪТ III-664 КМ 14+400 (С.БРАТЯ ДАСКАЛОВИ) ДО СЕЛО ГРАНИТ, ОБЩИНСКИ ПЪТ SZR 2002 ОТ ПЪТ III-664 КМ 15+900 (С. БРАТЯ ДАСКАЛОВИ) ДО СЕЛО ВЕРЕН И ОБЩИНСКИ ПЪТ SZR 2006 С. МИРОВО (ПЪТ II-66) – С. ОПЪЛЧЕНЕЦ (ПЪТ III-565) ОТ КМ 1+400 ДО КМ 1+920, ОБЩИНА БРАТЯ ДАСКАЛОВИ"**

ВЪЗЛОЖИТЕЛ: ОБЩИНА БРАТЯ ДАСКАЛОВИ

ИЗПЪЛНИТЕЛ: "КОНСОРЦИУМ БРАТЯ ДАСКАЛОВИ - 2016"

Община Братя Даскалови
СЪГЛАСУВАМ/ОДОБРЯВАМ
ГЛ. АРХИТЕКТ: Б. ГЕОРГИЕВ
03. 02. 2017

ОБЯСНИТЕЛНА ЗАПИСКА

Проекта обхваща пътни отсечки на територията на Община Братя Даскалови:

1. Първи участък: Път SZR 1001 от път III-664 км 14+400 до село Гранит
Начало на първи участък - км 0+000 от общински път SZR 1001 (кръстовище с път III-664 в с. Братя Даскалови.

Край на първи участък - с. Гранит - км 7+780 - от общински път SZR 1001.

2. Втори участък: Път SZR 2002 от път III-664 км 15+900 до село Верен.

Начало на втори участък - км 0+000 - кръстовище с път III-664 в с. Братя Даскалови.

Край на втори участък - км 4+570 - село Верен.

3. Трети участък: Път SZR 2006 с. Мирово - с. Опълченец от км 1+400 до км 1+920.

Начало на трети участък - км 1+400 - с Мирово.
Край на трети участък - км 1+920 - общински път към с. Опълченец.

За нуждите на проектирането е положена РГО, съставена от полигонови точки, самостоятелна за всеки пътна участък. Точките от РГО са стабилизирани на обекта с бетонови блокчета и болтове. За определяне на координатите на новите точки е използван GPS приемник. Координатите на част от опорната мрежа са определени в реално време в координатна с-ма WGS 84. Чрез трансформация с BGS TRANS са получени координатите на измерените точки от РГО в координатна с-ма 1970г. **За определяне котите на всички точки от РГО е извършена геометрична нивелация, обхващата цялата мрежа за всеки участък.**

Извършено е геодезическо заснемане на пътните отсечки с тотална станция. Заснети са следните характеристики на обекта: асфалтови настилки, банкети, отводнителни съоръжения, огради, входове, дървета, шахти и др.

Изработената геодезическа снимка и РГО са изравнени с ТПЛАН. Резултатите от изравнението на трите мрежи и геодезически снимки са приложени в проекта. На база на получените координати на точки от РГО и геодезическата снимка е изработен цифров модел на терена.

На база на проекта част "Пътна" е изготвен Трасировъчен план за всички характерни точки от трасето и елементите на новопроектираната ос. Приложени са координатни регистри на характерни точки от обекта и новопроектираната ос за всеки участък.

Всички изчисления на РГО, изравнение на снимката и трасировъчни данни са в Координатна система 1970г. Височинна система - Балтийска.

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Приложение :

1. Изравнение на геодезически снимки и РГО с ТПЛАН
2. Координатни регистри на РГО 1970г.
3. Координатни регистри подробни трасировъчни точки
4. Координатни регистри пикетни точки проектни оси.
5. Геодезическо заснемане М 1: 500
6. Схема на опорния полигон М 1:5000 (М 1:2500)
7. Трасировъчен план М 1:500

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Секция: ГПГ
Части на проекта: по удостоверение за ППП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис: .....
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

ПРОЕКТАНТ :

ВОДЕЩ ПРОЕКТАНТ :

Община Братя Даскалови
СЪГЛАСУВАМ/ОДОБРЯВАМ
ГЛ. АРХИТЕКТ: Б. ГЕОРГИЕВ
Дата: 03. 02. 2017

03. 02. 2017

```
##########################################################################
#                                                                        #
#             ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА ПЛАНОВА МРЕЖА                   #
#                                                                        #
#                                                  TplanWin v1.0.2 (Pipm) #
##########################################################################
```

Проект: C:\Program Files (x86)\TPLAN\Гранит.tpl

ОБЕКТ: Реконструкция на **общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит**, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 20.07.2016г.

ДИМЕНСИИ:

Посоки и ъгли..... градиг;

Поправки и ср. кв. граешки за посоки... сантисантиградиг;

Разстояния и координати..... метри;

Поправки и СКГ за разст. и координати.. милиметри;

Избраният модел на тежестите е:
Единицата тежест - едно насочване и отчитане
В тежестите на измерените ъгли и дължини се отчитат:
- броя на измерванията
- влиянието точността на центриране на инструмента и сигнала.
Средната квадратна грешка за единица тежест трябва да
се получи близка до проспектната точност на инструмента.

ЗАБЕЛЕЖКА:
В изравнението участват осреднените стойности от
многократните измервания (ако има такива).

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

Станция: пт2(7) - Дадена O=375.4381 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт1(8)	0.0009	-0.0	375.4390	45.9	65.586	5.0	0.0	*
пт3(7)	254.3669	0.0	229.8050	0.0	184.237	0.0	0.0	
пт3(7)	184.2393	-1.9	229.8050	0.0	184.237	0.0	5.3	
пт1(8)	65.5860	0.0	375.4390	45.9	65.586	5.0	0.0	*

Станция: пт3(7) - Дадена O= 29.8007 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт2(7)	0.0028	16.2	29.8051	0.0	184.237	0.0	14.9
пт4(8)	204.1570	-13.4	233.9563	17.3	338.972	3.5	12.3
пт2(7)	184.2413	-4.0	29.8051	0.0	184.237	0.0	5.3
пт4(8)	338.9660	6.4	233.9563	17.3	338.972	3.5	4.6

Станция: пт7(7) - Дадена O= 39.8151 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт6(8)	0.0027	-10.2	39.8168	25.6	123.477	3.2	14.4
пт8(7)	228.8971	7.6	268.7130	0.0	197.133	0.0	10.7
пт8(7)	197.1254	7.9	268.7130	0.0	197.133	0.0	5.4
пт6(8)	123.4784	-1.7	39.8168	25.6	123.477	3.2	4.0

Станция: пт8(7) - Дадена O= 68.7076 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт7(7)	0.0023	31.4	68.7130	0.0	197.133	0.0	11.7
пт9(8)	204.5175	-37.8	273.2213	23.3	142.726	3.5	14.1
пт7(7)	197.1303	3.0	68.7130	0.0	197.133	0.0	5.4
пт9(8)	142.7312	-4.8	273.2213	23.3	142.726	3.5	3.8

Станция: пт14(7) - Дадена O=119.1139 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт13(8)	0.0012	44.8	119.1196	18.5	265.228	3.7	12.8	
пт15(7)	198.4663	-43.1	317.5759	0.0	311.085	0.0	12.3	
пт15(7)	311.1149	-30.3	317.5759	0.0	311.085	0.0	5.7	*
пт13(8)	265.2362	-8.1	119.1196	18.5	265.228	3.7	4.1	

Станция: пт15(7) - Дадена O=117.5783 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт14(7)	0.0013	-36.4	117.5760	0.0	311.085	0.0	13.1
пт16(8)	185.4638	35.9	303.0457	16.4	333.849	4.0	12.9
пт14(7)	311.1085	-24.0	117.5760	0.0	311.085	0.0	5.7
пт16(8)	333.8526	-3.4	303.0457	16.4	333.849	4.0	4.1

Станция: пт22(7) - Дадена О=249.9176 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт23(7)	0.0013	16.3	249.9205	0.0	231.857	0.0	12.3
пт21(8)	170.5713	-15.5	20.4874	20.7	275.218	3.9	11.7
пт23(7)	231.8532	3.7	249.9205	0.0	231.857	0.0	5.5
пт21(8)	275.2169	0.9	20.4874	20.7	275.218	3.9	4.0

Станция: пт23(7) - Дадена О= 49.9177 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт22(7)	0.0028	0.7	49.9206	0.0	231.857	0.0	13.1
пт24(8)	234.9387	-0.8	284.8564	17.4	164.378	3.1	15.4
пт22(7)	231.8549	2.1	49.9206	0.0	231.857	0.0	5.5
пт24(8)	164.3878	-10.2	284.8564	17.4	164.378	3.1	4.3

Станция: пт26(7) - Дадена О=102.7614 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт25(8)	0.0020	12.7	102.7646	22.1	115.051	3.0	16.8
пт27(7)	180.4064	-10.8	283.1667	0.0	140.867	0.0	14.2
пт27(7)	140.8628	4.0	283.1667	0.0	140.867	0.0	5.2
пт25(8)	115.0561	-4.8	102.7646	22.1	115.051	3.0	4.2

Станция: пт27(7) - Дадена О= 83.1627 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт26(7)	0.0012	28.5	83.1667	0.0	140.867	0.0	13.1
пт28(8)	182.8539	-28.6	266.0137	25.5	140.339	3.4	13.1
пт26(7)	140.8645	2.3	83.1667	0.0	140.867	0.0	5.2
пт28(8)	140.3341	5.0	266.0137	25.5	140.339	3.4	4.0

Станция: пт32(7) - Дадена О= 63.0371 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт31(8)	0.0030	-19.3	63.0382	21.0	316.890	3.6	11.2
пт33(7)	202.0235	21.1	265.0627	0.0	227.809	0.0	12.3
пт33(7)	227.8140	-5.4	265.0627	0.0	227.809	0.0	5.4
пт31(8)	316.8881	1.6	63.0382	21.0	316.890	3.6	4.4

Станция: пт33(7) - Дадена О= 65.0578 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт32(7)	0.0039	11.5	65.0628	0.0	227.809	0.0	10.3
пт34(8)	217.8832	-16.9	282.9393	25.2	119.160	3.5	15.2
пт32(7)	227.8115	-3.0	65.0628	0.0	227.809	0.0	5.4
пт34(8)	119.1617	-1.3	282.9393	25.2	119.160	3.5	3.8

Станция: пт39(7) - Дадена О= 6.8682 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт38(8)	0.0026	16.6	6.8725	17.2	238.279	3.8	12.8
пт40(7)	263.1871	-21.9	270.0531	0.0	138.947	0.0	17.0
пт40(7)	138.9630	-16.4	270.0531	0.0	138.947	0.0	5.2
пт38(8)	238.2797	-0.9	6.8725	17.2	238.279	3.8	3.9

Станция: пт4(8) - Нова О= 33.9530 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт3(7)	0.0027	7.5	33.9564	17.3	338.972	3.5	7.9
пт5(8)	198.6614	-7.5	232.6136	14.1	336.696	3.5	7.9
пт3(7)	338.9821	-9.7	33.9564	17.3	338.972	3.5	4.6
пт5(8)	336.6912	4.4	232.6136	14.1	336.696	3.5	4.6

Станция: пт5(8) - Нова О= 32.6122 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт4(8)	0.0014	1.1	32.6137	14.1	336.696	3.5	6.5
пт6(8)	189.6737	-1.3	222.2857	20.9	206.288	3.3	7.5
пт4(8)	336.7034	-7.7	32.6137	14.1	336.696	3.5	4.6
пт6(8)	206.2951	-7.5	222.2857	20.9	206.288	3.3	4.2

Станция: пт6(8) - Нова О=239.8139 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт7(7)	0.0020	8.2	239.8167	25.6	123.477	3.2	12.4
пт5(8)	182.4725	-5.9	22.2858	20.9	206.288	3.3	9.0
пт7(7)	123.4779	-1.1	239.8167	25.6	123.477	3.2	4.0
пт5(8)	206.2829	4.7	22.2858	20.9	206.288	3.3	4.2

Станция: пт9(8) - Нова О= 73.2183 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт8(7)	0.0016	15.1	73.2214	23.3	142.726	3.5	10.0
пт10(8)	197.1953	-14.0	270.4122	22.8	160.413	3.6	9.2
пт8(7)	142.7330	-6.6	73.2214	23.3	142.726	3.5	3.8
пт10(8)	160.4170	-3.7	270.4122	22.8	160.413	3.6	3.9

Станция: пт10(8) - Нова О=286.0888 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт11(8)	0.0026	15.8	286.0930	26.0	116.852	3.5	9.9
пт9(8)	184.3247	-12.5	70.4122	22.8	160.413	3.6	7.8
пт9(8)	160.4210	-7.7	70.4122	22.8	160.413	3.6	3.9
пт11(8)	116.8547	-2.9	286.0930	26.0	116.852	3.5	3.8

Станция: пт11(8) - Нова О=304.9426 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт12(8)	0.0022 25.0	304.9473 25.9	118.031 3.5	10.3
пт10(8)	181.1530 -25.2	86.0930 26.0	116.852 3.5	10.4
пт10(8)	116.8606 -8.8	86.0930 26.0	116.852 3.5	3.8
пт12(8)	118.0404 -9.5	304.9473 25.9	118.031 3.5	3.8

Станция: пт12(8) - Нова О=104.9470 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт11(8)	0.0019 -15.5	104.9473 25.9	118.031 3.5	10.2
пт13(8)	213.4842 11.7	318.4323 20.9	174.410 3.6	7.7
пт11(8)	118.0332 -2.3	104.9473 25.9	118.031 3.5	3.8
пт13(8)	174.4200 -9.6	318.4323 20.9	174.410 3.6	3.9

Станция: пт13(8) - Нова О=118.4309 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт12(8)	0.0002 13.5	118.4324 20.9	174.410 3.6	8.9
пт14(7)	200.6898 -11.4	319.1195 18.5	265.228 3.7	7.5
пт14(7)	265.2327 -4.7	319.1195 18.5	265.228 3.7	4.1
пт12(8)	174.4126 -2.2	118.4324 20.9	174.410 3.6	3.9

Станция: пт16(8) - Нова О=103.0470 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт15(7)	0.0009 -21.1	103.0458 16.4	333.849 4.0	7.7
пт17(8)	198.7883 22.3	301.8375 16.6	263.776 3.9	8.1
пт15(7)	333.8471 2.2	103.0458 16.4	333.849 4.0	4.1
пт17(8)	263.7767 -0.5	301.8375 16.6	263.776 3.9	3.9

Станция: пт17(8) - Нова О=101.8379 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт16(8)	0.0007 -10.1	101.8376 16.6	263.776 3.9	7.5
пт18(8)	176.2320 11.3	278.0710 22.9	193.252 3.8	8.4
пт16(8)	263.7768 -0.6	101.8376 16.6	263.776 3.9	3.9
пт18(8)	193.2577 -5.2	278.0710 22.9	193.252 3.8	3.8

Станция: пт18(8) - Нова О=236.8482 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv
пт19(8)	0.0030 4.9	236.8517 24.6	147.312 3.7	11.0
пт17(8)	241.2233 -4.2	78.0711 22.9	193.252 3.8	9.5
пт17(8)	193.2488 3.6	78.0711 22.9	193.252 3.8	3.8
пт19(8)	147.3163 -4.2	236.8517 24.6	147.312 3.7	3.7

Станция: пт19(8) - Нова О= 36.8521 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.) п-ка	Посочен ъгъл Мал	Разстояние ms	mv

пт18(8)	0.0002	-4.9	36.8518	24.6	147.312	3.7	10.1
пт20(8)	184.5609	3.5	221.4133	16.4	378.724	4.1	7.2
пт18(8)	147.3099	2.2	36.8518	24.6	147.312	3.7	3.7
пт20(8)	378.7277	-3.4	221.4133	16.4	378.724	4.1	4.2

Станция: пт20(8) - Нова О= 21.4125 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт19(8)	0.0017	-8.0	21.4134	16.4	378.724	4.1	6.2
пт21(8)	198.1429	8.8	219.5563	18.6	237.641	3.8	6.9
пт19(8)	378.7232	1.1	21.4134	16.4	378.724	4.1	4.2
пт21(8)	237.6489	-8.0	219.5563	18.6	237.641	3.8	3.9

Станция: пт21(8) - Нова О= 19.5553 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт20(8)	0.0023	-12.4	19.5564	18.6	237.641	3.8	8.8
пт22(7)	200.9308	11.8	220.4873	20.7	275.218	3.9	8.4
пт22(7)	275.2208	-3.0	220.4873	20.7	275.218	3.9	4.0
пт20(8)	237.6348	6.0	19.5564	18.6	237.641	3.8	3.9

Станция: пт24(8) - Нова О= 84.8553 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт23(7)	0.0019	-7.2	84.8564	17.4	164.378	3.1	9.3
пт25(8)	214.0449	8.5	298.9010	17.1	129.944	3.0	10.9
пт23(7)	164.3814	-3.7	84.8564	17.4	164.378	3.1	4.3
пт25(8)	129.9496	-6.0	298.9010	17.1	129.944	3.0	4.2

Станция: пт25(8) - Нова О= 98.8976 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт24(8)	0.0035	0.1	98.9011	17.1	129.944	3.0	10.5
пт26(7)	203.8670	-0.1	302.7646	22.1	115.051	3.0	11.7
пт26(7)	115.0596	-8.2	302.7646	22.1	115.051	3.0	4.2
пт24(8)	129.9509	-7.3	98.9011	17.1	129.944	3.0	4.2

Станция: пт28(8) - Нова О= 66.0083 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт27(7)	0.0033	21.9	66.0138	25.5	140.339	3.4	11.5
пт29(8)	188.8853	-15.2	254.8921	20.3	356.993	3.6	7.9
пт27(7)	140.3429	-3.8	66.0138	25.5	140.339	3.4	4.0
пт29(8)	356.9908	1.8	254.8921	20.3	356.993	3.6	4.5

Станция: пт29(8) - Нова О= 54.8902 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт28(8)	0.0014	5.6	54.8922	20.3	356.993	3.6	5.9
пт30(8)	200.7005	-6.1	255.5901	18.6	243.547	3.5	6.4

пт28(8)	356.9927	-0.1	54.8922	20.3	356.993	3.6	4.5
пт30(8)	243.5497	-3.0	255.5901	18.6	243.547	3.5	4.2

Станция: пт30(8) - Нова О= 55.5894 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт29(8)	0.0009	-1.2	55.5902	18.6	243.547	3.5	6.7
пт31(8)	200.9709	1.1	256.5604	19.9	283.074	3.5	6.5
пт29(8)	243.5422	4.5	55.5902	18.6	243.547	3.5	4.2
пт31(8)	283.0787	-5.1	256.5604	19.9	283.074	3.5	4.3

Станция: пт31(8) - Нова О= 56.5584 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт30(8)	0.0030	-9.4	56.5605	19.9	283.074	3.5	8.4
пт32(7)	206.4788	9.2	263.0381	21.0	316.890	3.6	8.2
пт32(7)	316.8899	-0.2	263.0381	21.0	316.890	3.6	4.4
пт30(8)	283.0671	6.6	56.5605	19.9	283.074	3.5	4.3

Станция: пт34(8) - Нова О= 82.9366 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт33(7)	0.0023	4.6	82.9393	25.2	119.160	3.5	11.7
пт35(8)	205.8371	-3.9	288.7733	22.4	147.175	3.6	9.9
пт33(7)	119.1535	6.9	82.9393	25.2	119.160	3.5	3.8
пт35(8)	147.1768	-2.2	288.7733	22.4	147.175	3.6	3.8

Станция: пт35(8) - Нова О= 88.7740 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт34(8)	0.0006	-11.9	88.7734	22.4	147.175	3.6	8.1
пт36(8)	184.8134	10.9	273.5885	20.3	169.536	3.6	7.4
пт34(8)	147.1668	7.8	88.7734	22.4	147.175	3.6	3.8
пт36(8)	169.5307	5.0	273.5885	20.3	169.536	3.6	3.9

Станция: пт36(8) - Нова О= 73.5841 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт35(8)	0.0064	-19.5	73.5885	20.3	169.536	3.6	7.7
пт37(8)	196.2489	21.6	269.8351	23.4	144.232	3.6	8.5
пт35(8)	169.5345	1.2	73.5885	20.3	169.536	3.6	3.9
пт37(8)	144.2276	4.1	269.8351	23.4	144.232	3.6	3.8

Станция: пт37(8) - Нова О= 69.8336 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт36(8)	0.0044	-27.8	69.8352	23.4	144.232	3.6	10.2
пт38(8)	168.9383	31.2	238.7750	23.6	124.196	3.5	11.4
пт36(8)	144.2297	2.0	69.8352	23.4	144.232	3.6	3.8
пт38(8)	124.1943	1.6	238.7750	23.6	124.196	3.5	3.8

Станция: пт38(8) - Нова О= 38.7735 (измерени 2 посоки и 2 дължини)						
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние ms	mv
пт37(8)	0.0037	-21.4	38.7751	23.6	124.196 3.5	11.4
пт39(7)	168.0974	14.8	206.8724	17.2	238.279 3.8	7.9
пт39(7)	238.2732	5.6	206.8724	17.2	238.279 3.8	3.9
пт37(8)	124.1917	4.2	38.7751	23.6	124.196 3.5	3.8

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 182169.0 [pff. 90]= 182169.0 |v|max= 44.8 (nor)|v|max= 156.1

Средна квадратна грешка за единица тежест Me = 29.2[cc]

Зададена точност на центриране:
- на инструмента 5.0[mm]
- на сигнала 5.0[mm]

Средната квадратна грешка за измерена посока при едно положение на тръбата с отчитане влиянието точността на центриране на инструмента и сигнала е:
- за разстояние 50 метра mr= 68.4
- за разстояние 100 метра mr= 42.5
- за разстояние 1000 метра mr= 29.3

СПИСЪК НА ДАДЕНИТЕ ТОЧКИ

No	Име(клас)	X	Y
1	пт2(7)	4618465.991	9399856.435
2	пт3(7)	4618301.579	9399773.296
3	пт7(7)	4617422.342	9399292.866
4	пт8(7)	4617329.313	9399119.064
5	пт14(7)	4617311.231	9398193.125
6	пт15(7)	4617396.029	9397893.821
7	пт22(7)	4616385.930	9396750.290
8	пт23(7)	4616221.778	9396586.547
9	пт26(7)	4616185.796	9396181.931
10	пт27(7)	4616148.981	9396045.960
11	пт32(7)	4615336.482	9394982.775
12	пт33(7)	4615217.644	9394788.419
13	пт39(7)	4614687.370	9394148.398
14	пт40(7)	4614624.393	9394024.543

СПИСЪК НА НОВИТЕ ТОЧКИ
(Полуоси на елипсите на грешките при доверителна вероятност 68%)

No	Име(клас)	X	mx	Y	my	ms	Rmax	Rmin	Fi
1	пт1(8)	4618526.756	5.0	9399831.755	4.8	6.9	5.0	4.7	185.6
2	пт4(8)	4618009.693	5.4	9399600.945	8.2	9.8	9.2	3.5	121.9
3	пт5(8)	4617716.222	5.5	9399435.904	8.4	10.1	9.3	3.9	120.1
4	пт6(8)	4617522.445	3.9	9399365.156	4.5	5.9	5.0	3.2	130.8
5	пт9(8)	4617271.032	5.2	9398988.779	3.6	6.3	5.3	3.5	19[illegible]
6	пт10(8)	4617199.133	8.3	9398845.382	4.7	9.5	8.6	4.5	13.0
7	пт11(8)	4617173.809	9.6	9398731.307	4.8	10.7	9.6	4.8	97.9
8	пт12(8)	4617182.972	9.5	9398613.632	4.6	10.5	9.6	4.6	2.7
9	пт13(8)	4617232.767	7.6	9398446.481	3.9	8.5	7.7	3.9	6.6
10	пт16(8)	4617411.995	8.6	9397560.354	4.0	9.5	8.6	4.0	0.2
11	пт17(8)	4617419.608	9.2	9397296.687	5.5	10.7	9.2	5.5	96.1
12	пт18(8)	4617354.349	8.3	9397114.787	7.0	10.8	8.8	6.3	178.1
13	пт19(8)	4617231.036	7.7	9397034.196	8.8	11.7	9.9	6.3	131.9
14	пт20(8)	4616873.535	6.6	9396889.196	11.2	13.0	11.4	4.1	112.1
15	пт21(8)	4616647.019	4.8	9396837.838	8.5	9.8	9.0	3.9	112.6
16	пт24(8)	4616183.044	4.5	9396426.798	3.1	5.4	4.5	3.0	195.0
17	пт25(8)	4616180.801	4.0	9396296.874	3.0	5.0	4.0	3.0	178.8
18	пт28(8)	4616077.569	5.1	9396925.149	4.1	6.5	5.6	3.4	175.5
19	пт29(8)	4615845.261	11.5	9395654.083	9.2	14.7	14.1	4.3	165.7
20	пт30(8)	4615688.814	12.2	9395467.430	9.6	15.5	14.8	4.6	166.3
21	пт31(8)	4615510.303	8.9	9395247.738	6.6	11.0	10.4	3.6	170.9
22	пт34(8)	4615186.091	4.6	9394673.512	3.7	5.9	4.7	3.5	185.0
23	пт35(8)	4615160.272	7.3	9394528.620	5.3	9.0	7.7	4.7	184.9
24	пт36(8)	4615091.937	7.4	9394373.466	6.5	9.9	8.3	5.3	167.4
25	пт37(8)	4615026.124	5.7	9394245.125	7.0	9.0	7.6	4.9	122.9
26	пт38(8)	4614924.262	3.9	9394174.071	6.3	7.5	6.4	3.7	107.4

Максимална ср. кв. грешка ms = 15.47 в пт30(8) пореден номер 20

ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по чл. [illegible]
Консултант: [illegible]
Управител: [illegible]
(инж. Ат. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПДБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 "ЕООД * Благоевград

Обработил:.....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис: .....
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ ЗА ТЕКУЩАТА ГОДИНА
Секция: ГПГ
Части на проекта: по удостоверение за ППП

```
##########################################################################
#                                                                        #
#            ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА НИВЕЛАЧНА МРЕЖА                  #
#                                                                        #
#                                                  TplanWin v1.0.2 (Pinm) #
##########################################################################
```

Проект: C:\Program Files (x86)\TPLAN\Гранит.tpl

ОБЕКТ: Реконструкция на **общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит**, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 20.07.2016г.

ДИМЕНСИИ:

Коти и превишения..... метри;

Разстояния..... метри;

Поправки..... милиметри;

Средни кв. грешки за превишения..... милиметри;

ТРИГОНОМЕТРИЧНА НИВЕЛАЦИЯ

В изравнението участват усреднените стойности от многократно измерените превишения (ако има такива).
Средната квадратна грешка за единица тежест е за разстояние S=207.0m и зенитен ъгъл Z=100g.
В средната квадратна грешка за единица тежест не е включено влиянието на грешката от измерването височината на инструмента и сигнала.

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт2(7)	пт3(7)	-1.3217	6.2	-1.3110	0.0	10.7	6.2	184.24
пт2(7)	пт1(8)	0.6683	3.4	0.6683	3.4	0.0	0.0	65.59
пт3(7)	пт2(7)	1.3019	6.2	1.3110	0.0	9.1	6.2	184.24
пт3(7)	пт4(8)	4.9901	10.6	4.9923	5.8	2.2	8.8	338.97
пт7(7)	пт6(8)	-9.7078	4.6	-9.7035	3.1	4.3	3.4	123.48
пт7(7)	пт8(7)	13.2895	6.5	13.3050	0.0	15.5	6.5	197.13
пт8(7)	пт7(7)	-13.3128	6.5	-13.3050	0.0	7.8	6.5	197.13
пт8(7)	пт9(8)	4.0434	5.1	4.0496	3.4	6.2	3.8	142.73
пт14(7)	пт13(8)	2.8754	8.4	2.8903	4.8	14.9	6.9	265.24
пт14(7)	пт15(7)	-3.6969	9.7	-3.6860	0.0	10.9	9.7	311.11
пт15(7)	пт14(7)	3.6724	9.7	3.6860	0.0	13.6	9.7	311.11
пт15(7)	пт16(8)	-4.7283	10.4	-4.7082	6.5	20.1	8.1	333.85
пт22(7)	пт21(8)	7.6905	8.7	7.6917	5.7	1.3	6.6	275.22
пт22(7)	пт23(7)	-7.8531	7.5	-7.8370	0.0	16.1	7.5	231.85

пт23(7)	пт22(7)	7.8330	7.5	7.8370	0.0	4.0	7.5	231.85
пт23(7)	пт24(8)	-2.3261	5.6	-2.3210	3.0	5.1	4.8	164.39
пт26(7)	пт25(8)	0.6137	4.4	0.6166	2.7	2.9	3.5	115.06
пт26(7)	пт27(7)	-0.8536	5.0	-0.8520	0.0	1.6	5.0	140.86
пт27(7)	пт26(7)	0.8497	5.0	0.8520	0.0	2.3	5.0	140.86
пт27(7)	пт28(8)	-1.7401	5.0	-1.7377	3.4	2.4	3.7	140.33
пт32(7)	пт31(8)	3.1809	9.9	3.1929	6.1	12.0	7.9	316.89
пт32(7)	пт33(7)	-2.6103	7.4	-2.6110	0.0	-0.7	7.4	227.81
пт33(7)	пт32(7)	2.6178	7.4	2.6110	0.0	-6.8	7.4	227.81
пт33(7)	пт34(8)	-0.5236	4.5	-0.5275	3.0	-3.9	3.3	119.16
пт39(7)	пт38(8)	5.5144	7.7	5.5110	4.5	-3.4	6.2	238.28
пт39(7)	пт40(7)	-4.5408	5.0	-4.5460	0.0	-5.2	5.0	138.96
пт34(8)	пт33(7)	0.5317	4.5	0.5275	3.0	-4.2	3.3	119.15
пт34(8)	пт35(8)	-0.0006	5.2	0.0016	3.4	2.2	3.9	147.18
пт35(8)	пт34(8)	-0.0033	5.2	-0.0016	3.4	1.7	3.9	147.17
пт35(8)	пт36(8)	0.6511	5.8	0.6619	3.7	10.8	4.4	169.53
пт36(8)	пт35(8)	-0.6721	5.8	-0.6619	3.7	10.2	4.4	169.53
пт36(8)	пт37(8)	1.2682	5.1	1.2792	3.4	10.9	3.9	144.23
пт37(8)	пт36(8)	-1.2897	5.1	-1.2792	3.4	10.5	3.9	144.23
пт37(8)	пт38(8)	1.0239	4.6	1.0379	3.1	14.0	3.4	124.19

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт38(8)	пт37(8)	-1.0515	4.6	-1.0379	3.1	13.6	3.4	124.19
пт38(8)	пт39(7)	-5.5086	7.7	-5.5110	4.5	-2.4	6.2	238.27
пт28(8)	пт27(7)	1.7339	5.0	1.7377	3.4	3.8	3.7	140.34
пт28(8)	пт29(8)	-6.6511	11.1	-6.6402	6.5	10.9	9.0	356.99
пт29(8)	пт28(8)	6.6221	11.1	6.6402	6.5	18.1	9.0	356.99
пт29(8)	пт30(8)	-5.8682	7.8	-5.8751	5.1	-6.9	5.9	243.55
пт30(8)	пт29(8)	5.8784	7.8	5.8751	5.1	-3.3	5.9	243.54
пт30(8)	пт31(8)	-4.0716	8.9	-4.0611	5.6	10.6	6.9	283.08
пт31(8)	пт30(8)	4.0458	8.9	4.0611	5.6	15.3	6.9	283.07
пт31(8)	пт32(7)	-3.1990	9.9	-3.1929	6.1	6.2	7.9	316.89
пт24(8)	пт23(7)	2.3139	5.6	2.3210	3.0	7.1	4.8	164.38
пт24(8)	пт25(8)	-0.5945	4.8	-0.5874	2.8	7.0	3.8	129.95
пт25(8)	пт24(8)	0.5790	4.8	0.5874	2.8	8.5	3.8	129.95
пт25(8)	пт26(7)	-0.6182	4.4	-0.6166	2.7	1.7	3.5	115.06
пт16(8)	пт15(7)	4.6871	10.4	4.7082	6.5	21.1	8.1	333.85
пт16(8)	пт17(8)	-4.3981	8.4	-4.3843	5.5	13.7	6.3	263.78
пт17(8)	пт16(8)	4.3699	8.4	4.3843	5.5	14.4	6.3	263.78
пт17(8)	пт18(8)	-7.1048	6.4	-7.0986	4.4	6.2	4.7	193.26
пт18(8)	пт17(8)	7.0921	6.4	7.0986	4.4	6.5	4.7	193.25
пт18(8)	пт19(8)	-5.3794	5.2	-5.3720	3.6	7.4	3.8	147.32
пт19(8)	пт18(8)	5.3644	5.2	5.3720	3.6	7.7	3.8	147.31

пт19(8)	пт20(8)	-13.5044	11.7	-13.4967	7.1	7.7	9.3	378.73
пт20(8)	пт19(8)	13.4877	11.7	13.4967	7.1	9.0	9.3	378.72
пт20(8)	пт21(8)	-9.2189	7.7	-9.2164	5.1	2.5	5.7	237.65
пт21(8)	пт20(8)	9.2133	7.6	9.2164	5.1	3.1	5.7	237.63
пт21(8)	пт22(7)	-7.6922	8.7	-7.6917	5.7	0.5	6.6	275.22
пт9(8)	пт8(7)	-4.0570	5.1	-4.0496	3.4	7.5	3.8	142.73
пт9(8)	пт10(8)	-2.2026	5.5	-2.1985	3.6	4.2	4.2	160.42
пт10(8)	пт9(8)	2.1928	5.5	2.1985	3.6	5.7	4.2	160.42
пт10(8)	пт11(8)	-0.3654	4.4	-0.3626	3.0	2.8	3.3	116.85
пт11(8)	пт10(8)	0.3588	4.4	0.3626	3.0	3.8	3.3	116.86
пт11(8)	пт12(8)	2.6116	4.5	2.6152	3.0	3.5	3.3	118.04
пт12(8)	пт11(8)	-2.6197	4.5	-2.6152	3.0	4.5	3.3	118.03
пт12(8)	пт13(8)	4.0516	5.9	4.0616	3.8	10.0	4.5	174.42
пт13(8)	пт12(8)	-4.0734	5.9	-4.0616	3.8	11.8	4.5	174.41
пт13(8)	пт14(7)	-2.9017	8.4	-2.8903	4.8	11.4	6.9	265.23
пт4(8)	пт3(7)	-5.0016	10.6	-4.9923	5.8	9.2	8.8	338.98
пт4(8)	пт5(8)	16.8208	10.5	16.8209	5.8	0.1	8.7	336.69
пт5(8)	пт4(8)	-16.8279	10.5	-16.8209	5.8	7.0	8.7	336.70
пт5(8)	пт6(8)	14.6254	6.8	14.6342	4.4	8.8	5.2	206.30

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт6(8)	пт5(8)	-14.6459	6.8	-14.6342	4.4	11.7	5.2	206.28
пт6(8)	пт7(7)	9.7006	4.6	9.7035	3.1	2.9	3.4	123.48

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 11636 [pff. 26]= 11636 |v|max= 21.1

Средна квадратна грешка за единица тежест Me = 9.6[mm]

Средната квадратна грешка за измерено превишение
без да е включено влиянието на грешката от измерването
на височината на инструмента и сигнала е:
- за разстояние 50 метра mr= 2.3
- за разстояние 100 метра mr= 4.6
- за разстояние 1000 метра mr= 46.4

СПИСЪК НА ДАДЕНИТЕ РЕПЕРИ

No	Име(клас)	клас H	H
1	пт2(7)	4	205.53700
2	пт3(7)	4	204.22600
3	пт7(7)	4	250.37700
4	пт8(7)	4	263.68200
5	пт14(7)	4	268.95700
6	пт15(7)	4	265.27100
7	пт22(7)	4	213.30300
8	пт23(7)	4	205.46600

9	пт26(7)	4	201.94100
10	пт27(7)	4	201.08900
11	пт32(7)	4	179.58200
12	пт33(7)	4	176.97100
13	пт39(7)	4	173.91300
14	пт40(7)	4	169.36700

СПИСЪК НА НОВИТЕ РЕПЕРИ

No	Име(клас)	клас	H	mh
1	пт1(8)	6	206.20531	3.35
2	пт4(8)	6	209.21834	5.85
3	пт5(8)	6	226.03925	5.07
4	пт6(8)	6	240.67345	3.13
5	пт9(8)	6	267.73156	3.35
6	пт10(8)	6	265.53311	4.51
7	пт11(8)	6	265.17050	4.87
8	пт12(8)	6	267.78566	5.02
9	пт13(8)	6	271.84730	4.80
10	пт16(8)	6	260.56280	6.55
11	пт17(8)	6	256.17849	7.65
12	пт18(8)	6	249.07985	7.96
13	пт19(8)	6	243.70782	8.04
14	пт20(8)	6	230.21112	7.06
15	пт21(8)	6	220.99471	5.69
16	пт24(8)	6	203.14499	3.01
17	пт25(8)	6	202.55757	2.67
18	пт28(8)	6	199.35128	3.43
19	пт29(8)	6	192.71106	6.76
20	пт30(8)	6	186.83597	6.94
21	пт31(8)	6	182.77487	6.06
22	пт34(8)	6	176.44350	3.00
23	пт35(8)	6	176.44506	4.20
24	пт36(8)	6	177.10695	4.79
25	пт37(8)	6	178.38611	4.78
26	пт38(8)	6	179.42401	4.49

Максимална средна квадратна грешка mh= 8.04 в т.пт19(8), 13

Обработил:.....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
ГПГ
Части на проекта: по удостоверение за ПЪП
инж. ДИАН // СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ГИПЗ ЗА ТЕКУЩАТА ГОДИНА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

"ЛАЧОВ-СТРОЙ КОНСУЛТ-1" ЕООД Благоевград

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

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##############################################################################
#                                                                            #
#                        ПОЛЯРНА ГЕОДЕЗИЧЕСКА СНИМКА                         #
#                                                                            #
#                                                        TplanWin v1.0.2 (Geosn)#
##############################################################################
```

Проект: C:\Program Files (x86)\TPLAN\Гранит.tpl

ОБЕКТ: Реконструкция на **общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит**, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 20.07.2016г.

Координатна система - 1970г.

Зона..... 5

Височинна система - Балтийска

Средна квадратна грешка за посока..... 30[cc]

Константи на далекомера..... a=5, b=5, c=0

Точност на центриране на инструмента..... 5[mm]

Точност на центриране на сигнала..... 5[mm]

Средна квадратна грешка за зенитен ъгъл:.. 50[cc]

Средна квадратна грешка за превишение:.... 50[mm]

Точност на височината на инструмента:..... 5[mm]

Точност на височината на сигнала:..... 5[mm]

Брой станции с подробни точки:..... 38

Брой измерени подробни точки:..... 2075

Станция: пт2(7) Ih = 1.651

Име(клас)	X	Y	H	O	V
пт3(7)	4618301.579	9399773.296	204.226	375.4380	0.0001
пт3(7)	4618301.579	9399773.296	204.226	375.4382	-0.0001
пт1(8)	4618526.756	9399831.755	206.205	375.4390	-0.0009
пт1(8)	4618526.756	9399831.755	206.205	375.4372	0.0009
пт2(7)	4618465.991	9399856.435	205.537	375.4381	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт3(7)	1.520	254.367	100.503	184.250	184.239	0.002	0.000	0.011
пт3(7)	1.520	254.367	100.503	184.250	184.239	0.002	-0.000	0.011
пт1(8)	1.520	400.000	99.479	65.590	65.586	0.000	0.001	0.000
пт1(8)	1.520	400.002	99.479	65.590	65.586	-0.000	-0.001	0.000
1	1.520	397.155	99.388	65.650	65.647	4618525.648	9399829.038	206.299
2	1.520	398.862	99.457	65.240	65.238	4618525.985	9399830.808	206.224
3	1.520	399.019	99.503	65.250	65.248	4618526.057	9399830.952	206.178
4	1.520	2.322	99.413	65.140	65.138	4618527.194	9399834.140	206.269
5	1.520	5.945	99.553	65.270	65.269	4618528.489	9399837.619	206.126
6	1.520	6.053	99.517	65.240	65.238	4618528.491	9399837.734	206.164
7	1.520	8.605	99.521	65.180	65.178	4618529.133	9399840.268	206.158
8	1.520	6.559	99.517	63.470	63.468	4618526.938	9399838.725	206.150
9	1.520	8.747	99.475	53.330	53.328	4618517.682	9399843.323	206.108
10	1.520	13.973	99.478	53.650	53.648	4618518.899	9399847.552	206.108
11	1.520	400.355	99.744	22.280	22.280	4618486.680	9399848.166	205.758
12	1.520	1.019	99.509	22.190	22.189	4618486.680	9399848.415	205.839
13	1.520	389.942	99.438	21.830	21.829	4618484.671	9399845.140	205.861
14	1.520	368.363	99.624	16.670	16.670	4618476.576	9399843.558	205.766
15	1.520	361.445	99.426	17.970	17.969	4618475.829	9399841.398	205.830
16	1.520	355.175	99.367	16.790	16.789	4618473.757	9399841.550	205.835
17	1.520	4.441	99.553	28.500	28.499	4618493.079	9399847.577	205.868
18	1.520	5.412	99.793	19.990	19.990	4618485.083	9399850.512	205.733
19	1.520	22.408	100.438	20.270	20.270	4618486.249	9399855.749	205.529
20	1.520	48.830	100.488	33.390	33.389	4618496.983	9399868.857	205.412
21	1.520	56.437	100.384	47.210	47.209	4618507.406	9399879.097	205.383
22	1.520	59.059	100.356	57.360	57.359	4618515.133	9399886.018	205.348
23	1.520	99.616	100.233	8.200	8.200	4618469.123	9399864.013	205.638
24	1.520	53.134	101.131	13.140	13.138	4618477.828	9399862.136	205.435
25	1.520	49.128	101.540	9.100	9.097	4618474.419	9399859.859	205.448
26	1.520	49.501	101.807	7.500	7.497	4618472.920	9399859.297	205.455
27	1.520	64.581	103.863	3.560	3.553	4618468.865	9399858.525	205.452
28	1.520	180.572	102.849	4.130	4.126	4618462.812	9399859.064	205.483
29	1.520	192.534	101.294	9.450	9.448	4618457.714	9399860.990	205.476
30	1.520	188.502	100.556	9.410	9.410	4618458.051	9399861.484	205.586
31	1.520	186.887	100.892	47.840	47.836	4618426.290	9399883.120	204.998
32	1.520	191.956	100.834	48.110	48.106	4618424.058	9399880.010	205.038
33	1.520	196.582	100.927	48.180	48.175	4618422.394	9399876.933	204.967
34	1.520	217.007	100.693	17.640	17.639	4618448.476	9399858.523	205.476
35	1.520	217.435	100.451	17.630	17.630	4618448.472	9399858.405	205.543
36	1.520	211.854	100.737	12.060	12.059	4618454.171	9399858.826	205.528
37	1.520	241.502	100.959	16.640	16.638	4618449.938	9399852.060	205.417
38	1.520	241.545	100.553	16.830	16.829	4618449.757	9399851.998	205.522
39	1.520	251.024	100.994	21.490	21.487	4618446.333	9399847.759	205.333
40	1.520	250.225	100.678	21.470	21.469	4618446.243	9399848.013	205.439
41	1.520	242.833	100.088	21.590	21.590	4618445.284	9399850.323	205.638
42	1.520	266.514	100.804	21.480	21.478	4618449.010	9399843.284	205.397
43	1.520	276.539	100.969	22.820	22.817	4618450.365	9399839.807	205.321
44	1.520	277.216	100.573	22.910	22.909	4618450.481	9399839.575	205.462
45	1.520	288.220	100.027	23.260	23.260	4618453.422	9399836.863	205.658
46	1.520	301.525	101.013	14.370	14.368	4618460.904	9399842.997	205.439
47	1.520	302.084	100.512	14.600	14.600	4618460.943	9399842.736	205.551
48	1.520	302.084	99.710	17.590	17.590	4618459.908	9399839.930	205.748
49	1.520	335.517	99.064	8.840	8.839	4618467.504	9399847.726	205.798
50	1.520	358.117	99.565	6.580	6.580	4618469.301	9399850.748	205.713
51	1.520	400.298	100.936	8.700	8.699	4618474.066	9399853.199	205.540
52	1.520	343.679	99.893	12.980	12.980	4618469.831	9399844.036	205.690
53	1.520	343.254	99.641	13.200	13.200	4618469.811	9399843.800	205.742
54	1.520	256.377	99.907	8.960	8.960	4618458.127	9399852.141	205.681

55	1.520	267.301	100.397	47.220	47.219	4618429.019	9399827.063	205.373
56	1.520	263.097	100.495	46.160	46.159	4618428.033	9399830.170	205.309
57	1.520	262.952	100.673	46.130	46.128	4618427.999	9399830.274	205.181
58	1.520	258.092	100.616	45.730	45.728	4618426.460	9399833.449	205.226
59	1.520	251.841	100.718	45.530	45.527	4618424.580	9399837.518	205.154
60	1.520	251.498	100.565	45.420	45.418	4618424.578	9399837.786	205.265
61	1.520	247.300	100.559	45.530	45.528	4618423.336	9399840.517	205.268
62	1.520	249.295	100.330	67.580	67.579	4618403.448	9399830.835	205.318
63	1.520	251.558	100.612	67.570	67.567	4618404.408	9399828.634	205.018
64	1.520	251.650	100.642	67.480	67.477	4618404.531	9399828.582	204.988
65	1.520	255.863	100.590	67.350	67.347	4618406.621	9399824.640	205.044
66	1.520	259.405	100.646	67.690	67.687	4618408.191	9399821.212	204.982
67	1.520	259.505	100.512	67.680	67.678	4618408.254	9399821.125	205.124
68	1.520	262.964	100.416	68.440	68.439	4618409.631	9399817.610	205.221
69	1.520	257.795	100.621	87.690	87.686	4618389.984	9399812.712	204.813
70	1.520	257.895	100.552	87.690	87.687	4618390.051	9399812.592	204.908
71	1.520	258.423	100.632	93.410	93.406	4618385.489	9399809.063	204.742
72	1.520	261.000	100.606	95.080	95.076	4618386.068	9399804.940	204.764
73	1.520	263.295	100.580	94.830	94.827	4618388.181	9399802.235	204.805
74	1.520	263.276	100.580	98.730	98.726	4618384.964	9399800.030	204.769
75	1.520	259.676	100.622	100.540	100.536	4618380.365	9399803.751	204.686
76	1.520	258.159	100.604	102.080	102.076	4618377.803	9399805.032	204.700
77	1.520	256.594	100.572	106.260	106.256	4618372.903	9399805.200	204.714
78	1.520	254.706	100.503	105.860	105.857	4618371.781	9399808.163	204.833
79	1.520	252.378	100.544	106.400	106.397	4618369.590	9399811.412	204.759
80	1.520	250.584	100.407	106.460	106.458	4618368.303	9399814.122	204.989
81	1.520	251.087	100.536	102.130	102.127	4618372.601	9399815.104	204.809
82	1.520	251.854	100.580	88.940	88.937	4618385.103	9399819.464	204.859
83	1.520	254.217	100.559	88.720	88.717	4618386.726	9399816.587	204.890

Станция: пт3(7) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт2(7)	4618465.991	9399856.435	205.537	29.8033	-0.0026
пт2(7)	4618465.991	9399856.435	205.537	29.8013	-0.0006
пт4(8)	4618009.693	9399600.945	209.218	29.7993	0.0013
пт4(8)	4618009.693	9399600.945	209.218	29.7993	0.0013
пт3(7)	4618301.579	9399773.296	204.226	29.8007	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт2(7)	1.520	400.002	99.599	184.250	184.241	-0.007	0.005	0.009
пт2(7)	1.520	400.004	99.599	184.250	184.241	-0.005	0.000	0.009
пт4(8)	1.520	204.157	99.091	339.010	338.966	-0.009	0.002	0.002
пт4(8)	1.520	204.157	99.091	339.010	338.966	-0.009	0.002	0.002
84	1.520	202.864	99.462	229.720	229.713	4618101.446	9399660.537	206.310
85	1.520	203.419	99.406	229.710	229.701	4618102.446	9399658.802	206.512
86	1.520	204.199	99.390	229.410	229.401	4618104.123	9399656.524	206.567
87	1.520	205.029	99.397	228.970	228.961	4618106.037	9399654.189	206.538
88	1.520	205.529	99.452	228.950	228.943	4618106.996	9399652.664	206.340
89	1.520	205.978	99.538	190.330	190.326	4618140.528	9399671.874	205.749
90	1.520	205.407	99.537	190.340	190.336	4618139.616	9399673.318	205.752
91	1.520	204.504	99.528	190.220	190.216	4618138.317	9399675.687	205.780
92	1.520	203.446	99.524	190.190	190.186	4618136.744	9399678.428	205.792
93	1.520	204.181	99.558	190.180	190.176	4618137.859	9399676.535	205.688
94	2.600	202.845	99.243	168.320	168.309	4618154.918	9399690.722	205.290
95	2.600	202.854	99.269	170.980	170.970	4618152.611	9399689.396	205.252
96	2.600	202.693	99.775	169.620	169.620	4618153.579	9399690.430	203.888
97	1.520	206.388	99.585	170.250	170.247	4618158.106	9399681.647	205.478
98	1.520	206.468	100.075	169.560	169.561	4618158.799	9399681.837	204.168
99	1.520	206.354	99.585	168.930	168.927	4618159.169	9399682.435	205.468
100	1.520	205.181	99.586	165.430	165.427	4618160.504	9399686.902	205.445
101	1.520	204.632	99.587	165.330	165.327	4618159.849	9399688.173	205.439
102	1.520	203.516	99.578	165.000	164.997	4618158.666	9399690.835	205.461
103	1.520	202.182	99.824	137.790	137.790	4618180.815	9399706.947	204.747
104	1.520	203.569	99.687	137.770	137.769	4618182.307	9399704.344	205.046
105	1.520	204.899	99.658	137.490	137.489	4618184.012	9399702.013	205.106
106	1.520	206.124	99.687	137.820	137.819	4618185.128	9399699.586	205.045
107	1.520	207.048	99.778	137.820	137.820	4618186.209	9399697.903	204.848

108	1.520	200.205	100.343	111.230	111.229	4618202.478	9399722.790	203.767
109	1.520	199.071	100.343	111.370	111.369	4618201.468	9399724.502	203.767
110	1.520	203.655	99.772	111.090	111.090	4618205.479	9399717.567	204.765
111	1.520	205.356	99.753	110.810	110.810	4618207.241	9399715.166	204.796
112	1.520	206.870	99.793	111.290	111.290	4618208.247	9399712.677	204.729
113	1.520	208.586	100.137	111.300	111.300	4618209.906	9399710.178	204.127
114	1.520	209.896	99.937	78.430	78.430	4618237.909	9399727.499	204.444
115	1.520	208.603	99.876	77.860	77.860	4618237.461	9399729.124	204.519
116	1.520	206.379	99.849	77.540	77.540	4618236.227	9399731.564	204.551
117	1.520	203.768	99.866	77.160	77.160	4618234.899	9399734.470	204.529
118	1.520	202.582	99.913	76.710	76.710	4618234.580	9399735.938	204.471
119	1.520	193.170	99.789	60.510	60.510	4618244.965	9399751.933	204.567
120	1.520	192.320	99.772	54.470	54.470	4618250.364	9399754.748	204.561
121	1.520	203.866	99.941	54.470	54.470	4618254.550	9399745.814	204.417
122	1.520	207.719	99.898	53.280	53.280	4618257.287	9399743.681	204.452
123	1.520	211.199	99.912	53.000	53.000	4618259.195	9399741.474	204.440
124	1.520	213.026	99.951	44.860	44.860	4618266.492	9399745.343	204.401
125	1.520	215.073	100.003	45.110	45.110	4618267.219	9399744.068	204.364
126	1.520	227.103	100.149	29.000	29.000	4618283.413	9399750.691	204.298
127	1.520	223.799	100.122	28.380	28.380	4618282.677	9399752.126	204.312
128	1.520	218.403	100.050	27.100	27.100	4618281.883	9399754.682	204.345
129	1.520	212.405	100.035	26.370	26.370	4618280.795	9399757.066	204.352
130	1.520	205.074	100.142	25.630	25.630	4618279.699	9399759.947	204.309
131	1.520	201.391	100.319	25.410	25.410	4618279.159	9399761.339	204.239
132	1.520	149.414	103.610	7.910	7.897	4618294.099	9399775.829	203.918
133	1.520	104.106	105.209	5.520	5.502	4618298.785	9399778.036	203.915
134	1.520	216.019	101.063	3.560	3.560	4618298.902	9399770.950	204.307
135	1.520	251.641	100.081	5.380	5.380	4618300.033	9399768.143	204.359
136	1.520	265.367	100.120	7.720	7.720	4618300.994	9399765.598	204.351
137	1.520	265.858	100.683	11.510	11.509	4618300.795	9399761.813	204.243
138	1.520	268.754	100.584	13.080	13.080	4618301.282	9399760.220	204.246
139	1.520	357.984	100.683	14.930	14.929	4618316.234	9399770.449	204.206
140	1.520	377.299	100.133	16.990	16.990	4618318.463	9399775.187	204.331
141	1.520	345.999	100.520	21.720	21.719	4618321.748	9399765.237	204.188
142	1.520	352.580	99.958	24.880	24.880	4618325.512	9399766.498	204.383
143	1.520	25.736	101.702	7.080	7.078	4618306.130	9399778.716	204.177
144	1.520	21.807	101.580	8.620	8.617	4618307.517	9399779.541	204.152
145	2.000	340.621	98.724	12.750	12.748	4618312.975	9399767.584	204.142
147	2.000	347.349	98.324	13.560	13.555	4618314.271	9399768.534	204.243
148	2.000	342.177	101.755	13.510	13.505	4618313.797	9399767.542	203.514
149	1.520	388.105	99.931	30.880	30.880	4618331.246	9399781.867	204.400
150	1.520	394.405	99.813	30.360	30.360	4618329.771	9399784.563	204.455
151	1.520	1.802	99.870	30.190	30.190	4618328.125	9399787.675	204.428
152	1.520	6.981	100.186	30.310	30.310	4618326.969	9399789.850	204.278
153	1.520	5.310	99.784	51.950	51.950	4618345.826	9399800.517	204.542
154	1.520	2.646	99.729	51.630	51.630	4618346.647	9399798.486	204.586
155	1.520	398.266	99.674	51.880	51.880	4618348.498	9399795.434	204.632
156	1.520	394.409	99.806	52.490	52.490	4618350.319	9399792.780	204.526
157	1.520	390.776	99.806	52.600	52.600	4618351.455	9399790.002	204.526
158	1.520	396.354	99.793	68.110	68.110	4618364.021	9399800.498	204.588
159	1.520	399.285	99.685	67.920	67.920	4618362.532	9399803.258	204.703
160	1.520	2.114	99.694	67.760	67.760	4618361.001	9399805.860	204.692

Станция: пт4(8) Ih = 1.638

Име(клас)	X	Y	H	O	V
пт3(7)	4618301.579	9399773.296	204.226	33.9546	-0.0017
пт3(7)	4618301.579	9399773.296	204.226	33.9528	0.0002
пт5(8)	4617716.222	9399435.904	226.039	33.9510	0.0020
пт5(8)	4617716.222	9399435.904	226.039	33.9534	-0.0004
пт4(8)	4618009.693	9399600.945	209.218	33.9530	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт3(7)	1.520	400.002	100.963	339.030	338.982	-0.013	0.003	0.009
пт3(7)	1.520	400.004	100.963	339.030	338.982	-0.008	-0.005	0.009
пт5(8)	1.520	198.663	96.846	337.120	336.696	-0.004	0.009	-0.000
пт5(8)	1.520	198.660	96.846	337.110	336.686	-0.007	-0.007	0.000
161	1.520	4.670	101.850	68.850	68.821	4618066.233	9399640.184	207.337

162	1.520	3.190	101.664	68.770	68.747	4618067.067	9399638.817	207.539
163	1.520	400.394	101.610	68.760	68.738	4618068.668	9399636.257	207.598
164	1.520	397.915	101.655	68.990	68.967	4618070.198	9399634.044	207.544
165	1.520	396.437	101.836	69.010	68.982	4618070.963	9399632.638	207.347
166	1.520	393.061	102.038	30.930	30.914	4618037.866	9399613.673	208.347
167	1.520	396.355	101.836	30.860	30.847	4618037.110	9399615.082	208.446
168	1.520	2.175	101.720	30.440	30.429	4618035.352	9399617.301	208.514
169	1.520	8.843	101.778	29.890	29.878	4618033.071	9399619.551	208.502
170	1.520	12.253	102.193	29.900	29.882	4618032.044	9399620.779	208.306
171	1.520	240.639	101.728	4.030	4.029	4618008.128	9399597.233	209.227
172	1.520	223.085	100.299	3.330	3.330	4618007.613	9399598.345	209.321
173	1.520	170.790	101.022	3.800	3.800	4618005.904	9399600.662	209.275
174	1.520	142.844	100.575	5.950	5.950	4618004.134	9399603.066	209.283
175	1.520	135.789	102.047	7.020	7.016	4618003.454	9399604.156	209.111
176	1.520	204.264	99.077	36.540	36.536	4617979.545	9399580.306	209.866
177	1.520	201.301	98.719	36.490	36.483	4617978.663	9399581.759	210.071
178	1.520	196.436	98.609	36.170	36.162	4617977.574	9399584.331	210.127
179	1.520	190.985	98.762	35.590	35.583	4617976.805	9399587.360	210.029
180	1.520	187.939	98.944	35.560	35.555	4617976.219	9399588.958	209.926
181	1.520	201.762	98.468	63.580	63.562	4617955.874	9399567.127	210.867
182	1.520	200.260	98.468	63.540	63.522	4617955.126	9399568.427	210.865
183	1.520	197.592	98.452	63.760	63.741	4617953.618	9399570.637	210.887
184	1.520	194.742	98.481	63.480	63.462	4617952.569	9399573.299	210.852
185	1.520	193.426	98.577	63.350	63.335	4617952.126	9399574.539	210.752
186	1.520	200.757	98.404	90.170	90.142	4617932.621	9399554.196	211.598
187	1.520	201.464	98.404	90.170	90.142	4617933.144	9399553.344	211.597
188	1.520	199.832	98.365	90.090	90.061	4617932.019	9399555.363	211.651
189	1.520	198.053	98.320	91.210	91.179	4617929.797	9399557.012	211.743
190	1.520	195.839	98.334	91.350	91.319	4617928.192	9399559.753	211.727
191	1.520	194.794	98.335	91.400	91.369	4617927.482	9399561.075	211.727
192	1.520	194.098	98.405	91.420	91.392	4617927.030	9399561.966	211.627
193	1.520	200.456	98.096	132.110	132.052	4617896.465	9399532.996	213.288
194	1.520	200.793	98.096	132.100	132.042	4617896.835	9399532.403	213.287
195	1.520	199.588	98.096	132.070	132.012	4617895.584	9399534.566	213.288
196	1.520	198.098	98.028	132.180	132.117	4617893.969	9399537.204	213.431
197	1.520	196.878	98.063	132.320	132.259	4617892.643	9399539.367	213.363
198	1.520	196.204	98.061	132.340	132.279	4617891.980	9399540.601	213.368
199	1.520	196.011	98.109	132.330	132.272	4617891.804	9399540.961	213.268
200	1.520	203.097	98.196	136.950	136.896	4617895.333	9399525.697	213.218
201	1.520	202.907	98.249	141.050	140.997	4617891.676	9399523.794	213.218
202	1.520	199.293	98.022	140.820	140.753	4617887.701	9399530.736	213.713

Станция: пт5(8) Ih = 1.652

Име(клас)	X	Y	H	O	V
пт4(8)	4618009.693	9399600.945	209.218	32.6137	-0.0015
пт4(8)	4618009.693	9399600.945	209.218	32.6109	0.0013
пт6(8)	4617522.445	9399365.156	240.673	32.6111	0.0010
пт6(8)	4617522.445	9399365.156	240.673	32.6129	-0.0008
пт5(8)	4617716.222	9399435.904	226.039	32.6122	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт4(8)	1.520	400.000	103.205	337.140	336.703	-0.011	0.004	0.007
пт4(8)	1.520	400.003	103.205	337.140	336.703	-0.004	-0.009	0.007
пт6(8)	1.520	189.675	95.536	206.810	206.295	0.006	0.005	0.009
пт6(8)	1.520	189.673	95.536	206.810	206.295	0.008	-0.000	0.009
203	1.520	192.331	95.692	137.540	137.226	4617589.395	9399383.503	235.473
204	1.520	192.099	95.692	137.540	137.226	4617589.204	9399383.966	235.473
205	1.520	191.449	95.691	137.520	137.206	4617588.699	9399385.273	235.473
206	1.520	190.188	95.682	137.440	137.125	4617587.798	9399387.836	235.487
207	1.520	188.742	95.702	137.400	137.088	4617586.774	9399390.778	235.443
208	1.520	188.185	95.690	137.470	137.156	4617586.320	9399391.890	235.472
209	1.520	187.812	95.690	137.480	137.166	4617586.055	9399392.649	235.473
210	1.520	187.796	95.777	112.400	112.153	4617609.782	9399400.563	233.622
211	1.520	188.648	95.777	112.370	112.124	4617610.293	9399399.152	233.620
212	1.520	190.240	95.714	112.090	111.837	4617611.513	9399396.615	233.712
213	1.520	191.926	95.753	112.500	112.250	4617612.207	9399393.701	233.672
214	1.520	192.662	95.743	112.550	112.299	4617612.657	9399392.483	233.692

215	1.520	194.710	95.827	78.470	78.302	4617645.021	9399403.322	231.312
216	1.520	193.732	95.827	78.470	78.302	4617644.529	9399404.418	231.312
217	1.520	192.676	95.841	78.430	78.263	4617644.052	9399405.627	231.292
218	1.520	190.229	95.812	78.530	78.361	4617642.851	9399408.389	231.334
219	1.520	187.684	95.865	78.070	77.906	4617642.242	9399411.485	231.239
220	1.520	186.727	95.782	78.080	77.909	4617641.880	9399412.599	231.342
221	1.520	185.666	95.948	78.130	77.972	4617641.441	9399413.823	231.142
222	1.520	184.979	96.127	50.500	50.407	4617667.727	9399422.152	229.242
223	1.520	186.242	96.125	50.470	50.377	4617668.038	9399421.202	229.242
224	1.520	190.042	95.965	50.280	50.179	4617669.186	9399418.422	229.356
225	1.520	193.733	95.942	50.710	50.607	4617669.886	9399415.554	229.402
226	1.520	195.241	95.947	50.760	50.657	4617670.336	9399414.441	229.401
227	1.520	201.190	96.773	24.670	24.638	4617694.976	9399423.428	227.421
228	1.520	200.157	96.255	24.660	24.617	4617694.794	9399423.785	227.621
229	1.520	196.032	96.268	24.680	24.638	4617694.036	9399425.189	227.617
230	1.520	188.859	96.458	24.420	24.382	4617693.213	9399427.836	227.529
231	1.520	182.194	96.708	25.540	25.506	4617691.402	9399430.025	227.491
232	1.520	179.204	96.714	25.590	25.556	4617691.105	9399431.188	227.491
233	1.520	177.959	96.717	25.610	25.576	4617690.997	9399431.676	227.491
234	1.520	118.901	101.262	6.050	6.049	4617711.844	9399440.078	226.051
235	1.520	124.121	101.281	5.960	5.959	4617711.587	9399439.649	226.051
236	1.520	137.023	101.304	5.820	5.819	4617711.052	9399438.575	226.052
237	1.520	168.227	99.457	4.270	4.270	4617711.952	9399435.848	226.208
238	1.520	214.441	98.044	3.540	3.538	4617713.607	9399433.521	226.280
239	1.520	239.361	98.183	3.860	3.858	4617714.577	9399432.414	226.281
240	1.520	245.124	98.293	4.100	4.099	4617714.817	9399432.054	226.281
241	1.520	386.112	105.130	21.990	21.919	4617737.199	9399442.258	224.401
242	1.520	389.580	104.586	21.810	21.754	4617736.667	9399443.335	224.601
243	1.520	394.267	104.602	21.740	21.683	4617736.001	9399444.789	224.601
244	1.520	2.389	104.778	21.200	21.140	4617734.247	9399446.950	224.582
245	1.520	10.757	104.880	21.280	21.218	4617732.703	9399449.266	224.542
246	1.520	14.350	104.868	21.340	21.278	4617731.968	9399450.215	224.541
247	1.520	15.255	104.872	21.320	21.258	4617731.748	9399450.424	224.541
248	1.520	7.262	104.827	52.680	52.529	4617758.779	9399466.696	222.181
249	1.520	5.445	104.593	52.580	52.443	4617759.570	9399465.421	222.381
250	1.520	3.833	104.596	52.550	52.413	4617760.279	9399464.297	222.381
251	1.520	400.373	104.546	53.200	53.065	4617762.322	9399462.184	222.376
252	1.520	396.923	104.566	52.330	52.196	4617762.900	9399459.260	222.421
253	1.520	395.094	104.442	52.360	52.233	4617763.586	9399457.925	222.521
254	1.520	394.608	104.814	52.420	52.270	4617763.786	9399457.579	222.211
255	1.520	3.804	104.531	87.880	87.658	4617789.925	9399483.357	219.922
256	1.520	3.370	104.460	87.860	87.645	4617790.236	9399482.846	220.022
257	1.520	2.499	104.490	87.830	87.612	4617790.843	9399481.811	219.982
258	1.520	400.257	104.449	88.140	87.925	4617792.686	9399479.310	220.017
259	1.520	398.053	104.450	88.490	88.274	4617794.452	9399476.800	219.992
260	1.520	397.115	104.433	88.540	88.326	4617795.092	9399475.666	220.012
261	1.520	397.813	104.392	116.910	116.632	4617819.786	9399489.546	218.112
262	1.520	398.522	104.403	116.920	116.641	4617819.190	9399490.701	218.092
263	1.520	400.212	104.374	116.920	116.645	4617817.702	9399493.417	218.146
264	1.520	1.845	104.383	117.160	116.883	4617816.398	9399496.123	218.112
265	1.520	2.663	104.383	117.170	116.893	4617815.625	9399497.410	218.112
266	1.520	2.807	104.319	145.590	145.256	4617839.571	9399512.613	216.303
267	1.520	2.281	104.277	145.540	145.212	4617840.163	9399511.569	216.403
268	1.520	1.623	104.291	145.520	145.190	4617840.919	9399510.273	216.373
269	1.520	400.255	104.255	145.810	145.485	4617842.745	9399507.722	216.435
270	1.520	398.960	104.294	145.700	145.369	4617844.078	9399505.078	216.353
271	1.520	398.389	104.293	145.720	145.389	4617844.710	9399503.939	216.353
272	1.520	398.128	104.336	145.740	145.403	4617845.000	9399503.417	216.253
273	1.520	399.009	104.064	192.640	192.249	4617885.239	9399527.515	213.884
274	1.520	399.439	104.067	192.640	192.248	4617884.616	9399528.654	213.874
275	1.520	400.284	104.034	192.500	192.115	4617883.253	9399530.817	213.984
276	1.520	1.246	104.052	192.770	192.381	4617882.030	9399533.464	213.914
277	1.520	1.675	104.051	192.800	192.411	4617881.394	9399534.596	213.914
278	1.520	1.840	104.084	192.790	192.394	4617881.124	9399535.015	213.814

Станция: пт6(8) Ih = 1.680

Име(клас)	X	Y	H	O	V

пт7(7)	4617422.342	9399292.866	250.377	239.8149	-0.0010
пт7(7)	4617422.342	9399292.866	250.377	239.8145	-0.0006
пт5(8)	4617716.222	9399435.904	226.039	239.8138	0.0001
пт5(8)	4617716.222	9399435.904	226.039	239.8128	0.0011
пт6(8)	4617522.445	9399365.156	240.673	239.8139	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт7(7)	1.520	400.002	95.092	123.850	123.478	0.002	-0.001	0.003
пт7(7)	1.520	400.002	95.092	123.850	123.478	0.002	-0.001	0.003
пт5(8)	1.520	182.472	104.562	206.820	206.283	0.004	0.002	0.012
пт5(8)	1.520	182.473	104.562	206.820	206.283	0.005	-0.001	0.012
279	1.520	394.703	95.106	72.920	72.705	4617460.168	9399327.639	246.434
280	1.520	396.017	95.101	72.930	72.715	4617460.947	9399326.357	246.440
281	1.520	396.808	95.122	73.050	72.836	4617461.332	9399325.530	246.425
282	1.520	399.182	95.233	72.510	72.307	4617463.284	9399323.583	246.259
283	1.520	5.005	95.626	50.110	49.992	4617484.339	9399332.797	244.274
284	1.520	3.605	95.876	50.050	49.945	4617483.673	9399333.672	244.074
285	1.520	1.692	95.671	50.040	49.925	4617482.761	9399334.864	244.234
286	1.520	398.068	95.469	50.140	50.013	4617481.028	9399337.121	244.399
287	1.520	394.387	95.260	50.160	50.021	4617479.470	9399339.558	244.565
288	1.520	393.253	95.257	50.270	50.131	4617478.926	9399340.273	244.575
289	1.520	391.603	95.262	50.300	50.161	4617478.269	9399341.395	244.574
290	1.520	383.306	95.498	21.650	21.596	4617502.258	9399357.485	242.363
291	1.520	386.550	95.497	21.570	21.516	4617502.748	9399356.498	242.358
292	1.520	389.906	95.693	21.670	21.621	4617503.138	9399355.425	242.298
293	1.520	397.188	96.044	21.060	21.019	4617504.877	9399353.615	242.141
294	1.520	6.971	96.600	22.170	22.139	4617506.021	9399350.312	242.017
295	1.520	11.276	96.618	22.220	22.189	4617507.026	9399349.200	242.013
296	1.520	111.907	106.356	5.550	5.522	4617526.454	9399361.358	240.280
297	1.520	111.907	104.915	7.130	7.109	4617527.606	9399360.267	240.284
298	1.520	111.906	104.736	7.400	7.380	4617527.803	9399360.081	240.284
299	1.520	145.098	108.160	3.280	3.253	4617525.607	9399364.392	240.414
300	1.520	204.159	107.160	3.080	3.061	4617524.804	9399367.106	240.488
301	1.520	220.589	106.485	3.740	3.721	4617524.613	9399368.180	240.453
302	1.520	243.618	107.687	3.990	3.961	4617523.465	9399368.984	240.353
303	1.520	188.794	104.903	27.320	27.239	4617546.980	9399376.988	238.732
304	1.520	186.029	104.914	27.150	27.069	4617547.315	9399375.845	238.740
305	1.520	179.612	105.094	27.130	27.043	4617548.239	9399373.281	238.665
306	1.520	174.120	105.262	31.620	31.512	4617553.206	9399371.998	238.223
307	1.520	171.293	105.254	31.660	31.552	4617553.519	9399370.633	238.223
308	1.520	184.154	104.928	60.000	59.821	4617578.076	9399387.149	236.194
309	1.520	181.055	104.917	60.160	59.981	4617579.232	9399384.468	236.192
310	1.520	178.207	104.933	60.980	60.797	4617580.823	9399382.137	236.113

Станция: пт7(7) Ih = 1.665

Име(клас)	X	Y	H	O	V
пт8(7)	4617329.313	9399119.064	263.682	39.8186	-0.0035
пт8(7)	4617329.313	9399119.064	263.682	39.8132	0.0019
пт6(8)	4617522.445	9399365.156	240.673	39.8150	0.0001
пт6(8)	4617522.445	9399365.156	240.673	39.8132	0.0019
пт7(7)	4617422.342	9399292.866	250.377	39.8151	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт8(7)	1.520	228.894	95.762	197.570	197.125	0.006	-0.012	0.016
пт8(7)	1.520	228.900	95.762	197.570	197.125	-0.009	-0.004	0.016
пт6(8)	1.520	400.002	105.070	123.880	123.483	-0.005	-0.004	0.005
пт6(8)	1.520	400.004	105.070	123.870	123.473	0.005	-0.001	0.004
311	1.520	396.934	105.526	48.760	48.577	4617463.048	9399319.375	246.295
312	1.520	395.230	105.526	48.790	48.607	4617463.768	9399318.292	246.292
313	1.520	394.835	105.647	48.770	48.579	4617463.901	9399318.020	246.202
314	1.520	389.228	105.427	30.190	30.081	4617449.346	9399306.118	247.952
315	1.520	391.933	105.437	30.130	30.020	4617448.706	9399307.224	247.952
316	1.520	398.722	105.218	29.330	29.232	4617446.380	9399309.500	248.121
317	1.520	5.052	104.997	29.100	29.011	4617444.441	9399311.661	248.240
318	1.520	9.338	104.985	29.150	29.061	4617443.163	9399313.140	248.242
319	1.520	23.369	105.941	11.160	11.111	4617428.416	9399302.171	249.482
320	1.520	11.897	105.467	10.940	10.900	4617429.839	9399300.778	249.584

321	1.520	395.834	105.417	11.470	11.429	4617432.025	9399298.936	249.547
322	1.520	380.607	105.780	12.380	12.329	4617434.042	9399296.754	249.400
323	1.520	367.945	105.590	14.040	13.986	4617436.224	9399294.567	249.291
324	1.520	358.922	105.515	14.220	14.167	4617436.506	9399292.585	249.292
325	1.520	297.167	102.598	11.220	11.211	4617428.494	9399283.494	250.064
326	1.520	295.660	101.998	9.940	9.935	4617427.596	9399284.434	250.210
327	1.520	286.855	100.795	7.160	7.159	4617425.254	9399286.326	250.433
328	1.520	265.616	98.826	4.520	4.519	4617422.727	9399288.363	250.605
329	1.520	222.893	97.552	3.930	3.927	4617420.171	9399289.594	250.673
330	1.520	201.897	99.588	4.510	4.510	4617418.766	9399290.118	250.551
331	1.520	222.237	95.840	19.660	19.618	4617411.328	9399276.631	251.806
332	1.520	228.574	95.787	19.510	19.467	4617413.068	9399275.750	251.812
333	1.520	237.631	96.426	20.110	20.078	4617415.377	9399274.034	251.650
334	1.520	246.833	97.512	21.040	21.024	4617417.965	9399272.303	251.344
335	1.520	251.522	98.384	21.340	21.333	4617419.448	9399271.730	251.064
336	1.520	236.766	96.895	39.120	39.074	4617408.290	9399256.406	252.430
337	1.520	233.702	96.580	39.310	39.253	4617406.480	9399256.960	252.633
338	1.520	228.856	96.043	38.930	38.855	4617403.983	9399258.622	252.940
339	1.520	224.049	95.669	38.980	38.890	4617401.434	9399260.074	253.172
340	1.520	221.109	95.752	39.350	39.263	4617399.728	9399260.770	253.146
341	1.520	223.715	95.830	59.010	58.884	4617390.424	9399243.383	254.384
342	1.520	224.788	95.773	63.840	63.700	4617388.721	9399238.762	254.758
343	1.520	225.190	95.762	69.280	69.127	4617386.228	9399233.923	255.131
344	1.520	227.968	95.825	69.670	69.521	4617388.643	9399232.059	255.088
345	1.520	230.768	95.974	69.740	69.601	4617391.313	9399230.564	254.930
346	1.520	232.598	96.063	69.730	69.597	4617393.118	9399229.702	254.832
347	1.520	231.919	95.877	106.760	106.537	4617376.579	9399196.659	257.433
348	1.520	230.840	95.819	106.760	106.530	4617374.957	9399197.454	257.529
349	1.520	228.995	95.725	106.860	106.620	4617372.170	9399198.789	257.693
350	1.520	227.246	95.687	107.020	106.775	4617369.528	9399200.067	257.768
351	1.520	226.232	95.732	107.020	106.780	4617368.055	9399200.915	257.693
352	1.520	222.861	96.742	65.100	65.015	4617386.371	9399238.708	253.852
353	1.520	219.931	95.971	65.300	65.170	4617383.826	9399240.296	254.652
354	1.520	234.061	96.980	59.880	59.813	4617398.480	9399238.019	253.362
355	1.520	236.927	95.929	60.100	59.978	4617400.914	9399236.847	254.363

Станция: пт8(7) Ih = 1.650

Име(клас)	X	Y	H	O	V
пт7(7)	4617422.342	9399292.866	250.377	68.7130	-0.0054
пт7(7)	4617422.342	9399292.866	250.377	68.7084	-0.0008
пт9(8)	4617271.032	9398988.779	267.732	68.7063	0.0013
пт9(8)	4617271.032	9398988.779	267.732	68.7013	0.0063
пт8(7)	4617329.313	9399119.064	263.682	68.7076	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт7(7)	1.520	400.000	104.335	197.590	197.125	-0.011	0.015	0.007
пт7(7)	1.520	400.005	104.335	197.600	197.135	-0.004	-0.000	0.008
пт9(8)	1.520	204.515	98.256	142.790	142.731	-0.000	0.005	0.006
пт9(8)	1.520	204.520	98.256	142.790	142.731	-0.011	0.010	0.006
356	1.520	213.899	97.596	57.470	57.429	4617313.817	9399063.765	265.982
357	1.520	212.787	98.481	57.440	57.424	4617312.855	9399064.049	265.182
358	1.520	211.458	97.482	57.410	57.365	4617311.728	9399064.460	266.082
359	1.520	210.015	97.391	57.360	57.312	4617310.513	9399064.923	266.162
360	1.520	206.272	97.323	56.850	56.800	4617307.560	9399066.595	266.202
361	1.520	206.570	97.383	56.940	56.892	4617307.770	9399066.408	266.152
362	1.520	208.248	97.463	56.980	56.935	4617309.151	9399065.819	266.082
363	1.520	200.194	98.469	56.980	56.964	4617302.580	9399068.763	265.182
364	1.520	196.867	97.367	57.320	57.271	4617299.831	9399069.964	266.182
365	1.520	198.070	97.417	22.930	22.911	4617317.892	9399099.202	264.742
366	1.520	203.637	97.419	22.770	22.751	4617319.737	9399098.426	264.735
367	1.520	211.909	97.347	22.600	22.581	4617322.544	9399097.522	264.753
368	1.520	222.631	97.630	22.300	22.285	4617326.290	9399096.985	264.642
369	1.520	226.884	97.560	22.440	22.424	4617327.762	9399096.694	264.672
370	1.520	18.778	115.618	6.420	6.228	4617330.529	9399125.172	262.253
371	1.520	8.516	105.795	6.160	6.135	4617331.461	9399124.810	263.252
372	1.520	396.045	105.320	6.090	6.069	4617332.504	9399124.226	263.304
373	1.520	371.687	104.377	7.670	7.652	4617335.476	9399123.600	263.285

374	1.520	354.655	104.041	9.460	9.441	4617338.125	9399122.451	263.212
375	1.520	344.577	104.220	9.810	9.789	4617338.889	9399121.092	263.162
376	1.520	338.543	108.130	10.210	10.127	4617339.374	9399120.215	262.512
377	1.520	327.893	103.451	11.080	11.064	4617340.361	9399118.474	263.212
378	1.520	3.948	104.500	48.420	48.299	4617349.427	9399162.976	260.393
379	1.520	1.576	104.369	48.380	48.266	4617351.034	9399162.167	260.494
380	1.520	397.713	104.266	48.340	48.232	4617353.590	9399160.740	260.575
381	1.520	393.314	104.377	46.870	46.760	4617355.583	9399157.747	260.592
382	1.520	390.592	104.508	46.920	46.803	4617357.238	9399156.623	260.492
383	1.520	12.309	104.742	24.730	24.662	4617336.558	9399142.637	261.972
384	1.520	42.742	104.082	9.110	9.091	4617327.687	9399128.009	263.228
385	1.520	146.678	97.147	8.510	8.502	4617321.059	9399117.029	264.193
386	1.520	174.264	95.569	14.780	14.744	4617317.802	9399109.850	264.840

Станция: пт9(8) Ih = 1.666

Име(клас)	X	Y	H	O	V
пт8(7)	4617329.313	9399119.064	263.682	73.2214	-0.0031
пт8(7)	4617329.313	9399119.064	263.682	73.2182	0.0001
пт10(8)	4617199.133	9398845.382	265.533	73.2184	-0.0001
пт10(8)	4617199.133	9398845.382	265.533	73.2154	0.0029
пт9(8)	4617271.032	9398988.779	267.732	73.2183	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт8(7)	1.520	400.000	101.875	142.800	142.733	-0.009	-0.003	0.007
пт8(7)	1.520	400.003	101.875	142.800	142.733	-0.003	-0.006	0.007
пт10(8)	1.520	197.194	100.933	160.440	160.417	0.002	0.003	0.004
пт10(8)	1.520	197.197	100.933	160.440	160.417	-0.005	0.006	0.004
387	1.520	3.086	101.256	69.970	69.957	4617296.474	9399053.946	266.498
388	1.520	1.562	101.076	69.940	69.930	4617298.015	9399053.294	266.696
389	1.520	398.907	101.066	69.590	69.581	4617300.534	9399051.796	266.713
390	1.520	396.179	101.080	67.800	67.791	4617302.379	9399048.887	266.728
391	1.520	394.582	101.127	67.810	67.800	4617303.881	9399048.090	266.678
392	1.520	387.440	100.506	42.750	42.749	4617295.800	9399023.622	267.538
393	1.520	390.404	102.305	42.550	42.522	4617294.029	9399024.546	266.338
394	1.520	392.500	100.960	42.420	42.415	4617292.785	9399025.192	267.238
395	1.520	395.052	100.841	42.370	42.367	4617291.284	9399025.992	267.318
396	1.520	399.418	100.742	41.960	41.957	4617288.516	9399026.920	267.389
397	1.520	4.254	100.749	41.160	41.157	4617285.294	9399027.387	267.394
398	1.520	6.111	100.742	41.160	41.157	4617284.162	9399027.786	267.398
399	1.520	7.967	102.287	41.210	41.184	4617283.027	9399028.177	266.398
400	1.520	13.481	100.123	41.550	41.550	4617279.650	9399029.426	267.798
401	1.520	32.091	101.022	11.840	11.839	4617270.046	9399000.577	267.688
402	1.520	20.214	101.060	11.610	11.608	4617272.227	9399000.326	267.684
403	1.520	3.798	100.901	10.730	10.729	4617274.822	9398998.817	267.726
404	1.520	386.354	101.236	10.820	10.818	4617277.449	9398997.488	267.668
405	1.520	376.745	101.024	11.190	11.189	4617278.948	9398996.686	267.698
406	1.520	237.916	104.404	17.080	17.039	4617273.997	9398972.000	266.697
407	1.520	230.866	104.145	19.850	19.808	4617272.302	9398969.012	266.586
408	1.520	209.722	100.956	20.360	20.358	4617265.641	9398969.148	267.572
409	1.520	203.658	100.817	20.300	20.298	4617263.820	9398969.805	267.617
410	1.520	210.390	101.226	9.020	9.018	4617268.735	9398980.058	267.704
411	1.520	192.326	101.038	8.890	8.889	4617266.452	9398981.161	267.733
412	1.520	160.688	101.283	7.230	7.229	4617264.804	9398985.109	267.732
413	0.000	124.495	105.992	11.930	11.877	4617259.162	9398989.206	268.276
414	0.400	118.573	110.170	9.940	9.813	4617261.300	9398990.041	267.416
415	1.520	186.541	100.852	32.370	32.367	4617251.908	9398962.666	267.444
416	1.520	189.346	100.691	32.210	32.208	4617253.165	9398961.981	267.528
417	1.520	195.559	100.622	32.500	32.499	4617255.724	9398960.111	267.560
418	1.520	201.365	100.699	32.570	32.568	4617258.372	9398958.772	267.520
419	1.520	205.657	100.702	32.660	32.658	4617260.393	9398957.903	267.518

Станция: пт10(8) Ih = 1.656

Име(клас)	X	Y	H	O	V
пт9(8)	4617271.032	9398988.779	267.732	286.0878	0.0009
пт9(8)	4617271.032	9398988.779	267.732	286.0872	0.0015
пт11(8)	4617173.809	9398731.307	265.170	286.0916	-0.0028

пт11(8)	4617173.809	9398731.307	265.170	286.0892	-0.0004
пт10(8)	4617199.133	9398845.382	265.533	286.0888	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт9(8)	1.520	184.324	99.185	160.440	160.421	-0.002	-0.008	0.006
пт9(8)	1.520	184.325	99.185	160.440	160.421	-0.000	-0.009	0.006
пт11(8)	1.520	400.001	100.274	116.860	116.855	0.006	0.002	0.003
пт11(8)	1.520	400.004	100.274	116.860	116.855	0.002	0.003	0.003
420	1.520	393.683	100.764	63.300	63.296	4617179.357	9398785.254	264.909
421	1.520	394.186	100.765	63.280	63.276	4617179.839	9398785.119	264.909
422	1.520	395.192	100.765	63.250	63.246	4617180.802	9398784.850	264.909
423	1.520	398.480	100.800	63.010	63.005	4617184.009	9398784.218	264.878
424	1.520	1.175	100.880	63.640	63.634	4617186.487	9398783.016	264.790
425	1.520	2.774	100.859	63.720	63.715	4617188.042	9398782.640	264.809
426	1.520	3.373	100.859	63.730	63.725	4617188.632	9398782.528	264.809
427	1.520	390.958	101.110	41.300	41.294	4617184.564	9398806.743	264.949
428	1.520	392.036	101.111	41.280	41.274	4617185.228	9398806.520	264.949
429	1.520	394.042	101.104	41.260	41.254	4617186.465	9398806.120	264.954
430	1.520	398.643	101.133	40.560	40.554	4617189.499	9398805.988	264.948
431	1.520	3.038	101.256	40.040	40.032	4617192.328	9398805.932	264.879
432	1.520	6.048	101.283	40.200	40.192	4617194.181	9398805.496	264.859
433	1.520	4.464	101.288	40.160	40.152	4617193.196	9398805.671	264.857
434	1.520	385.480	101.384	19.790	19.785	4617190.587	9398827.537	265.239
435	1.520	387.084	101.387	19.740	19.735	4617191.060	9398827.373	265.239
436	1.520	391.966	101.394	19.650	19.645	4617192.494	9398826.892	265.239
437	1.520	1.922	101.562	18.890	18.884	4617195.597	9398826.831	265.206
438	1.520	11.434	101.938	18.430	18.422	4617198.416	9398826.974	265.108
439	1.520	17.751	102.165	16.010	16.001	4617200.097	9398829.410	265.125
440	1.520	370.599	102.745	5.130	5.125	4617195.908	9398841.397	265.448
441	1.520	385.427	102.655	4.420	4.416	4617197.222	9398841.400	265.485
442	1.520	38.581	104.481	3.760	3.751	4617200.550	9398841.909	265.405
443	1.520	70.224	103.328	5.570	5.562	4617203.436	9398841.857	265.378
444	1.520	75.781	103.521	6.210	6.201	4617204.254	9398841.886	265.326
445	1.520	75.781	104.637	7.420	7.400	4617205.245	9398841.209	265.129
446	1.520	201.969	100.171	13.530	13.530	4617201.656	9398858.674	265.633
447	1.520	194.590	99.667	13.830	13.830	4617203.266	9398858.579	265.742
448	1.520	182.030	99.907	15.980	15.980	4617206.805	9398859.399	265.693
449	1.520	170.941	100.176	16.660	16.660	4617209.543	9398858.388	265.623
450	1.520	167.569	100.250	17.080	17.080	4617210.497	9398858.132	265.602
451	1.520	163.845	100.260	17.110	17.110	4617211.244	9398857.467	265.599
452	1.520	191.484	99.201	38.260	38.257	4617212.333	9398881.289	266.149
453	1.520	189.802	99.201	38.220	38.217	4617213.262	9398880.891	266.149
454	1.520	184.634	99.248	38.740	38.738	4617216.326	9398880.094	266.127
455	1.520	179.763	99.339	38.540	38.538	4617218.827	9398878.507	266.070
456	1.520	179.751	99.344	38.570	38.568	4617218.849	9398878.529	266.067
457	1.520	176.470	99.340	38.600	38.598	4617220.547	9398877.494	266.069
458	1.520	179.401	99.126	68.460	68.454	4617234.449	9398904.022	266.610
459	1.520	182.192	99.129	68.380	68.374	4617231.807	9398905.443	266.605
460	1.520	184.696	99.115	68.430	68.424	4617229.443	9398906.726	266.621
461	1.520	187.732	99.117	68.310	68.304	4617226.436	9398907.991	266.616
462	1.520	189.410	99.301	68.310	68.306	4617224.777	9398908.691	266.419
463	1.520	193.013	99.297	92.390	92.385	4617228.918	9398932.833	266.690
464	1.520	186.808	99.087	91.940	91.931	4617237.100	9398929.106	266.988
465	1.520	193.475	99.157	95.150	95.142	4617229.152	9398935.664	266.930
466	1.520	184.693	99.101	92.530	92.521	4617240.121	9398928.328	266.976
467	1.520	182.651	99.097	92.320	92.311	4617242.661	9398926.786	266.980
468	1.520	181.480	99.097	92.350	92.341	4617244.165	9398925.998	266.980

Станция: пт11(8) Ih = 1.686

Име(клас)	X	Y	H	O	V
пт10(8)	4617199.133	9398845.382	265.533	304.9412	0.0013
пт10(8)	4617199.133	9398845.382	265.533	304.9388	0.0037
пт12(8)	4617182.972	9398613.632	267.786	304.9473	-0.0047
пт12(8)	4617182.972	9398613.632	267.786	304.9429	-0.0003
пт11(8)	4617173.809	9398731.307	265.170	304.9426	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)

пт10(8)	1.520	181.152	99.895	116.870	116.866	-0.001	-0.014	0.004
пт10(8)	1.520	181.154	99.896	116.860	116.856	0.006	-0.005	0.004
пт12(8)	1.520	400.000	98.682	118.070	118.040	0.008	0.010	0.004
пт12(8)	1.520	400.004	98.682	118.070	118.040	0.000	0.010	0.004
469	1.520	394.479	99.070	73.930	73.923	4617173.137	9398657.387	266.417
470	1.520	391.846	100.742	65.240	65.236	4617170.519	9398666.154	264.577
471	1.520	393.309	99.180	65.190	65.185	4617172.019	9398666.146	266.177
472	1.520	394.775	99.176	65.190	65.185	4617173.519	9398666.123	266.181
473	1.520	397.539	99.214	64.590	64.585	4617176.326	9398666.770	266.134
474	1.520	1.466	99.297	64.340	64.336	4617180.274	9398667.296	266.047
475	1.520	2.058	99.298	64.360	64.356	4617180.872	9398667.339	266.047
476	1.520	2.703	99.377	64.360	64.357	4617181.519	9398667.413	265.967
477	1.520	4.975	101.649	64.490	64.469	4617183.812	9398667.619	263.667
478	1.520	4.038	99.352	43.230	43.228	4617179.887	9398688.508	265.777
479	1.520	3.006	99.352	43.230	43.228	4617179.192	9398688.415	265.777
480	1.520	1.242	99.350	43.070	43.068	4617177.986	9398688.442	265.777
481	1.520	396.931	99.235	43.390	43.387	4617175.085	9398687.938	265.858
482	1.520	392.504	99.236	43.590	43.587	4617172.061	9398687.755	265.860
483	1.520	390.604	99.241	43.610	43.607	4617170.760	9398687.806	265.857
484	1.520	389.584	99.241	43.630	43.627	4617170.062	9398687.841	265.857
485	1.520	378.054	104.956	21.220	21.156	4617168.225	9398710.901	263.686
486	1.520	384.054	99.542	20.870	20.870	4617170.220	9398710.748	265.487
487	1.520	388.329	99.541	20.790	20.790	4617171.615	9398710.633	265.487
488	1.520	397.745	99.708	20.520	20.520	4617174.675	9398710.805	265.431
489	1.520	7.059	99.937	20.010	20.010	4617177.559	9398711.651	265.356
490	1.520	11.672	99.936	20.030	20.030	4617178.977	9398711.955	265.357
491	1.520	13.877	99.937	20.110	20.110	4617179.667	9398712.069	265.357
492	1.520	22.487	109.143	20.820	20.606	4617182.415	9398712.584	262.357
493	1.520	241.219	102.908	5.040	5.035	4617170.470	9398735.075	265.106
494	1.520	229.946	103.117	4.500	4.495	4617171.467	9398735.143	265.116
495	1.520	211.452	103.559	4.120	4.114	4617172.761	9398735.285	265.106
496	1.520	162.678	103.449	4.700	4.693	4617176.094	9398735.406	265.082
497	1.520	144.684	103.225	7.050	7.041	4617178.817	9398736.256	264.979
498	1.520	131.518	103.135	7.310	7.301	4617179.945	9398735.263	264.977
499	1.520	127.320	103.084	7.430	7.421	4617180.297	9398734.909	264.977
500	1.520	195.844	103.840	36.500	36.434	4617173.359	9398767.738	263.136
501	1.520	195.495	106.576	37.820	37.619	4617173.550	9398768.925	261.437
502	1.520	194.924	103.553	39.450	39.389	4617173.892	9398770.696	263.136
503	1.520	188.990	100.789	33.900	33.898	4617177.035	9398765.051	264.917
504	1.520	183.643	100.787	34.450	34.448	4617179.952	9398765.202	264.911
505	1.520	178.006	100.959	34.530	34.526	4617182.946	9398764.602	264.817
506	1.520	176.169	100.957	34.600	34.596	4617183.924	9398764.391	264.817
507	1.520	172.514	104.604	34.870	34.779	4617185.869	9398763.928	262.817
508	1.520	188.319	100.510	51.220	51.219	4617179.220	9398782.239	264.927
509	1.520	186.952	100.510	51.170	51.169	4617180.306	9398782.061	264.927
510	1.520	182.994	100.566	51.660	51.658	4617183.539	9398782.040	264.877
511	1.520	179.486	100.721	51.200	51.197	4617186.207	9398780.980	264.757
512	1.520	177.624	100.646	51.280	51.278	4617187.676	9398780.674	264.817
513	1.520	176.293	100.645	51.340	51.338	4617188.723	9398780.430	264.817
514	1.520	184.705	100.350	71.110	71.109	4617185.322	9398801.478	264.946
515	1.520	182.178	100.369	71.330	71.329	4617188.141	9398801.181	264.923

Станция: пт12(8) Ih = 1.671

Име(клас)	X	Y	H	O	V
пт11(8)	4617173.809	9398731.307	265.170	104.9473	-0.0004
пт11(8)	4617173.809	9398731.307	265.170	104.9435	0.0035
пт13(8)	4617232.767	9398446.481	271.847	104.9503	-0.0034
пт13(8)	4617232.767	9398446.481	271.847	104.9459	0.0010
пт12(8)	4617182.972	9398613.632	267.786	104.9470	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт11(8)	1.520	400.000	101.495	118.070	118.033	-0.001	-0.002	0.005
пт11(8)	1.520	400.004	101.495	118.070	118.033	0.006	-0.002	0.005
пт13(8)	1.520	213.482	98.577	174.470	174.420	0.007	0.012	0.010
пт13(8)	1.520	213.486	98.577	174.470	174.420	-0.005	0.008	0.010
516	1.520	15.529	105.198	38.630	38.502	4617170.801	9398650.159	264.786
516	1.520	10.540	102.406	38.360	38.333	4617173.739	9398650.836	266.488

517	1.520	8.548	102.319	38.270	38.245	4617174.925	9398651.021	266.543
518	1.520	3.152	102.453	37.260	37.233	4617178.248	9398650.564	266.501
519	1.520	398.311	102.537	36.690	36.661	4617181.097	9398650.245	266.475
520	1.520	396.059	102.526	36.800	36.771	4617182.391	9398650.399	266.477
521	1.520	394.731	102.531	36.730	36.701	4617183.158	9398650.333	266.477
522	1.520	389.372	105.277	37.080	36.953	4617186.265	9398650.438	264.867
523	1.520	385.572	103.347	17.700	17.676	4617185.595	9398631.112	267.007
524	1.520	391.345	103.353	17.610	17.586	4617183.996	9398631.188	267.010
525	1.520	1.815	103.168	17.210	17.189	4617181.150	9398630.724	267.081
526	1.520	13.028	102.910	16.860	16.842	4617178.280	9398629.808	267.166
527	1.520	20.459	103.445	16.170	16.146	4617176.698	9398628.510	267.062
528	1.520	111.462	123.880	4.670	4.345	4617178.770	9398612.524	266.226
529	1.520	160.011	102.194	3.170	3.168	4617181.315	9398610.932	267.827
530	1.520	185.161	101.046	2.750	2.750	4617182.546	9398610.916	267.891
532	1.520	296.468	103.370	5.190	5.183	4617188.153	9398613.747	267.662
533	1.520	296.670	102.620	6.810	6.804	4617189.774	9398613.805	267.656
534	1.520	233.241	102.424	32.310	32.287	4617201.199	9398586.982	266.707
535	1.520	226.537	98.664	31.930	31.923	4617198.124	9398585.534	268.607
536	1.520	223.344	98.455	31.870	31.861	4617196.669	9398584.866	268.710
537	1.520	217.731	98.303	31.580	31.569	4617193.981	9398584.045	268.778
538	1.520	211.195	98.220	31.720	31.708	4617190.926	9398582.938	268.823
539	1.520	208.187	98.477	31.660	31.651	4617189.455	9398582.652	268.694
540	1.520	204.172	100.481	31.740	31.739	4617187.503	9398582.218	267.697
541	1.520	211.092	98.256	69.370	69.344	4617200.259	9398546.477	269.837
542	1.520	212.562	98.165	69.380	69.352	4617201.806	9398546.887	269.937
543	1.520	215.093	98.136	69.160	69.131	4617204.376	9398547.898	269.962
544	1.520	217.978	98.198	69.460	69.433	4617207.438	9398548.653	269.903
545	1.520	219.813	98.386	69.430	69.408	4617209.291	9398549.407	269.697
546	2.000	220.445	98.957	98.850	98.837	4617221.356	9398522.553	269.077
547	2.000	217.740	97.986	98.660	98.611	4617217.374	9398521.216	270.577
548	2.000	216.578	97.922	98.610	98.558	4617215.664	9398520.654	270.675
549	1.520	214.708	98.191	98.410	98.371	4617212.863	9398519.912	270.733
550	1.520	212.744	98.219	98.670	98.632	4617210.029	9398518.784	270.697
551	1.520	212.098	98.283	98.660	98.625	4617209.064	9398518.521	270.597
552	1.520	211.324	98.864	98.670	98.655	4617207.913	9398518.182	269.697
553	1.520	210.163	98.220	98.740	98.702	4617206.179	9398517.697	270.698
554	1.520	212.324	98.412	139.160	139.118	4617220.251	9398479.603	271.408
555	1.520	212.965	98.414	139.140	139.098	4617221.594	9398480.004	271.404
556	1.520	214.335	98.397	139.520	139.477	4617224.574	9398480.504	271.451
557	1.520	215.613	98.437	142.610	142.568	4617228.218	9398478.435	271.438
558	1.520	216.327	98.482	142.630	142.590	4617229.739	9398478.929	271.338

Станция: пт13(8) Ih = 1.662

Име(клас)	X	Y	H	O	V
пт14(7)	4617311.231	9398193.125	268.957	118.4299	0.0009
пт14(7)	4617311.231	9398193.125	268.957	118.4295	0.0013
пт12(8)	4617182.972	9398613.632	267.786	118.4324	-0.0015
пт12(8)	4617182.972	9398613.632	267.786	118.4320	-0.0011
пт13(8)	4617232.767	9398446.481	271.847	118.4309	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт14(7)	1.520	200.690	100.732	265.260	265.233	-0.005	0.003	0.011
пт14(7)	1.520	200.690	100.732	265.260	265.233	-0.006	0.003	0.011
пт12(8)	1.520	400.000	101.539	174.470	174.413	-0.004	-0.003	0.012
пт12(8)	1.520	400.000	101.539	174.470	174.413	-0.003	-0.003	0.012
559	0.000	186.322	100.820	39.540	39.537	4617235.716	9398407.054	273.000
560	0.000	163.440	101.114	22.090	22.087	4617226.562	9398425.284	273.123
561	0.000	38.514	105.722	10.830	10.786	4617224.355	9398453.233	272.537
562	0.000	16.939	102.931	27.850	27.821	4617218.093	9398470.117	272.228
563	0.000	12.589	102.924	31.990	31.956	4617217.805	9398474.718	272.041
564	0.000	347.684	106.915	14.850	14.763	4617240.259	9398459.201	271.899
565	0.000	284.377	108.326	10.720	10.629	4617243.385	9398446.950	272.111
566	0.000	7.013	102.052	57.180	57.151	4617210.529	9398499.128	271.667
567	1.520	197.333	100.352	146.530	146.529	4617268.681	9398304.422	271.181
568	1.520	198.202	101.004	146.470	146.453	4617270.597	9398304.999	269.681
569	1.520	198.722	100.483	146.430	146.427	4617271.745	9398305.338	270.881
570	1.520	199.288	100.491	146.440	146.436	4617273.001	9398305.680	270.861

571	1.520	200.524	100.469	146.440	146.437	4617275.725	9398306.487	270.912
572	1.520	201.892	100.477	146.900	146.897	4617278.868	9398307.006	270.891
573	1.520	202.455	100.520	146.900	146.896	4617280.100	9398307.420	270.791
574	1.520	202.716	100.819	146.920	146.909	4617280.673	9398307.603	270.101
575	1.520	204.188	99.779	147.000	147.000	4617283.903	9398308.662	272.501
576	1.520	198.414	100.426	116.450	116.448	4617263.222	9398334.086	271.210
577	1.520	199.180	100.427	116.410	116.408	4617264.559	9398334.499	271.210
578	1.520	200.718	100.402	116.230	116.228	4617267.203	9398335.471	271.256
579	1.520	202.361	100.420	115.120	115.118	4617269.700	9398337.448	271.230
580	1.520	203.272	100.420	115.060	115.058	4617271.236	9398338.045	271.230
581	1.520	192.985	99.522	77.200	77.198	4617246.536	9398370.521	272.570
582	1.520	195.868	101.340	76.950	76.933	4617249.902	9398371.480	270.370
583	1.520	197.628	100.431	76.870	76.869	4617251.952	9398372.045	271.470
584	1.520	198.786	100.348	76.790	76.789	4617253.282	9398372.483	271.570
585	1.520	201.166	100.323	76.690	76.689	4617256.003	9398373.397	271.601
586	1.520	203.874	100.331	76.880	76.879	4617259.155	9398374.272	271.590
587	1.520	204.949	100.331	76.920	76.919	4617260.385	9398374.691	271.590
588	1.520	206.190	101.158	76.970	76.958	4617261.793	9398375.207	270.590
589	1.520	210.705	100.329	77.490	77.489	4617267.006	9398376.966	271.590
590	1.520	195.987	100.254	42.650	42.650	4617242.344	9398404.920	271.819
591	1.520	199.721	100.249	42.530	42.530	4617244.730	9398405.668	271.823
592	1.520	202.570	100.211	42.170	42.170	4617246.427	9398406.585	271.850
593	1.520	207.148	100.271	42.240	42.240	4617249.286	9398407.605	271.810
594	1.520	209.109	100.226	42.240	42.240	4617250.476	9398408.132	271.839
595	1.520	170.487	107.312	9.510	9.447	4617231.131	9398437.177	270.899
596	1.520	179.806	101.329	9.100	9.098	4617232.515	9398437.387	271.799
597	1.520	190.581	100.674	8.930	8.930	4617234.027	9398437.641	271.895
598	1.520	213.636	100.565	8.470	8.470	4617236.855	9398439.063	271.914
599	1.520	237.260	100.913	8.420	8.419	4617239.228	9398441.083	271.869
600	1.520	249.972	101.634	8.570	8.567	4617240.301	9398442.401	271.769
601	1.520	259.933	105.873	8.900	8.862	4617241.123	9398443.527	271.169

Станция: пт14(7) Ih = 1.670

Име(клас)	X	Y	H	O	V
пт15(7)	4617396.029	9397893.821	265.271	119.1101	0.0038
пт15(7)	4617396.029	9397893.821	265.271	119.1091	0.0048
пт13(8)	4617232.767	9398446.481	271.847	119.1196	-0.0057
пт13(8)	4617232.767	9398446.481	271.847	119.1172	-0.0033
пт14(7)	4617311.231	9398193.125	268.957	119.1139	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт15(7)	1.520	198.466	100.789	311.150	311.115	-0.026	0.024	0.011
пт15(7)	1.520	198.467	100.788	311.150	311.115	-0.030	0.023	0.011
пт13(8)	1.520	400.000	99.347	265.260	265.236	-0.021	-0.015	0.015
пт13(8)	1.520	400.002	99.347	265.260	265.236	-0.011	-0.012	0.015
602	0.000	225.545	107.844	15.900	15.780	4617321.415	9398181.071	268.673
603	0.000	317.099	101.394	11.050	11.047	4617320.539	9398199.076	270.385
604	0.000	363.494	99.336	16.970	16.969	4617315.810	9398209.465	270.804
605	0.000	381.209	99.075	31.910	31.907	4617311.069	9398225.031	271.091
606	0.000	7.036	99.818	86.950	86.950	4617276.511	9398272.842	270.876
607	0.000	11.628	100.725	59.100	59.096	4617283.790	9398245.464	269.954
608	0.000	37.859	105.712	17.740	17.669	4617297.446	9398204.178	269.037
609	0.000	105.857	111.099	12.300	12.114	4617300.037	9398188.494	268.493
610	1.520	397.171	99.094	89.970	89.961	4617288.469	9398280.159	270.388
611	1.520	398.233	99.016	89.960	89.950	4617287.023	9398279.756	270.497
612	1.520	400.363	98.968	89.960	89.949	4617284.139	9398278.897	270.566
613	1.520	2.555	99.012	89.770	89.760	4617281.265	9398277.735	270.501
614	1.520	3.756	99.109	89.600	89.592	4617279.734	9398276.998	270.361
615	0.000	388.974	98.232	63.460	63.436	4617303.194	9398256.050	272.390
616	1.520	9.320	101.385	46.890	46.879	4617290.982	9398235.406	268.087
617	1.520	7.282	99.341	46.830	46.828	4617292.366	9398235.985	269.592
618	1.520	5.655	99.122	46.580	46.576	4617293.564	9398236.220	269.750
619	1.520	1.756	99.071	45.860	45.855	4617296.466	9398236.538	269.776
620	1.520	397.545	99.102	45.550	45.546	4617299.448	9398237.120	269.750
621	1.520	395.169	99.246	45.570	45.567	4617301.093	9398237.550	269.647
622	1.520	393.675	100.502	45.610	45.609	4617302.130	9398237.817	268.747
623	1.520	378.653	100.980	8.350	8.349	4617311.524	9398201.469	268.979

624	1.520	389.477	100.400	8.190	8.190	4617310.129	9398201.240	269.056
625	1.520	12.916	100.304	7.910	7.910	4617307.417	9398200.055	269.069
626	1.520	37.940	100.670	8.500	8.500	4617304.593	9398198.434	269.018
627	1.520	46.349	102.006	9.040	9.036	4617303.493	9398197.790	268.822
628	1.520	212.243	105.709	18.090	18.017	4617319.751	9398177.249	267.487
629	1.520	208.709	102.179	18.040	18.030	4617318.862	9398176.790	268.490
630	1.520	203.511	101.732	17.920	17.913	4617317.464	9398176.331	268.620
631	1.520	192.552	101.488	18.320	18.315	4617314.568	9398175.117	268.679
632	1.520	183.318	101.689	19.170	19.163	4617311.963	9398173.976	268.599
633	1.520	178.495	102.268	19.580	19.568	4617310.496	9398173.571	268.410
634	1.520	170.410	107.066	19.860	19.738	4617307.998	9398173.654	266.907
635	1.520	192.510	102.135	57.860	57.828	4617321.731	9398136.258	267.167
636	1.520	193.832	101.254	57.850	57.839	4617322.911	9398136.478	267.968
637	1.520	197.072	101.149	57.730	57.721	4617325.749	9398137.260	268.065
638	1.520	200.326	101.251	57.530	57.519	4617328.523	9398138.267	267.977
639	1.520	202.314	101.348	57.640	57.627	4617330.263	9398138.731	267.887
640	1.520	203.070	102.516	92.630	92.558	4617342.836	9398106.130	265.447
641	1.520	201.353	101.206	92.410	92.394	4617340.425	9398105.465	267.358
642	1.520	199.974	101.178	92.400	92.385	4617338.518	9398104.862	267.398
643	1.520	194.056	102.030	96.590	96.541	4617331.060	9398098.642	266.028
644	1.520	193.789	103.096	99.360	99.243	4617331.207	9398095.913	264.278
645	1.520	194.163	102.069	99.390	99.338	4617331.798	9398095.939	265.878
646	1.520	195.236	101.264	97.520	97.501	4617333.023	9398098.090	267.172
647	1.520	196.272	101.141	102.590	102.574	4617335.780	9398093.532	267.270
648	1.520	198.068	101.082	103.290	103.276	4617338.767	9398093.588	267.352
649	1.520	199.737	101.126	105.200	105.184	4617341.924	9398092.519	267.248
650	1.520	201.250	101.216	105.260	105.241	4617344.323	9398093.222	267.098
651	1.520	202.712	101.232	139.030	139.005	4617357.960	9398062.210	266.418
652	1.520	200.881	101.508	138.870	138.832	4617354.122	9398061.085	265.818
653	1.520	200.423	101.050	138.820	138.802	4617353.161	9398060.808	266.818
654	1.520	199.734	101.073	138.820	138.801	4617351.728	9398060.363	266.768
655	1.520	198.323	101.039	139.140	139.122	4617348.862	9398059.189	266.839
656	1.520	197.079	101.070	140.150	140.131	4617346.490	9398057.502	266.753
657	1.520	195.716	101.203	140.210	140.186	4617343.591	9398056.725	266.458
658	1.520	193.448	101.972	140.440	140.373	4617338.751	9398055.476	264.758

Станция: пт15(7) Ih = 1.653

Име(клас)	X	Y	H	O	V
пт14(7)	4617311.231	9398193.125	268.957	117.5760	0.0023
пт14(7)	4617311.231	9398193.125	268.957	117.5734	0.0049
пт16(8)	4617411.995	9397560.354	260.563	117.5823	-0.0040
пт16(8)	4617411.995	9397560.354	260.563	117.5815	-0.0032
пт15(7)	4617396.029	9397893.821	265.271	117.5783	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт14(7)	1.520	400.000	99.277	311.140	311.109	0.017	-0.020	0.014
пт14(7)	1.520	400.003	99.277	311.140	311.109	0.029	-0.017	0.014
пт16(8)	1.520	185.463	100.928	333.900	333.853	0.022	0.004	0.020
пт16(8)	1.520	185.464	100.928	333.900	333.853	0.017	0.004	0.020
659	0.000	365.651	101.485	16.960	16.955	4617400.444	9397910.192	266.529
660	0.000	260.869	105.258	7.540	7.514	4617403.117	9397891.325	266.302
661	0.000	219.273	99.070	25.400	25.397	4617409.923	9397872.561	267.295
662	0.000	203.124	99.650	52.770	52.769	4617412.888	9397843.817	267.214
663	0.000	167.537	102.944	38.080	38.039	4617387.216	9397856.817	265.164
664	0.000	129.805	104.245	15.340	15.306	4617384.770	9397883.452	265.902
665	0.000	36.609	102.377	21.360	21.345	4617379.976	9397907.890	266.127
666	1.520	186.964	100.975	222.670	222.645	4617411.900	9397671.742	261.997
667	1.520	186.678	100.946	222.650	222.627	4617410.901	9397671.692	262.098
668	1.520	186.249	100.961	222.680	222.656	4617409.405	9397671.567	262.048
669	1.520	185.360	100.938	222.590	222.567	4617406.298	9397671.491	262.127
670	1.520	184.618	100.949	222.830	222.806	4617403.715	9397671.147	262.087
671	1.520	184.132	100.977	222.840	222.815	4617402.014	9397671.086	261.988
672	1.520	183.189	101.462	222.920	222.862	4617398.716	9397670.975	260.288
673	1.520	186.781	101.120	196.090	196.061	4617409.445	9397698.220	261.957
674	1.520	184.021	100.958	195.950	195.929	4617400.950	9397697.954	262.457
675	1.520	184.509	100.957	195.930	195.909	4617402.450	9397698.017	262.461
676	1.520	185.358	100.922	195.520	195.501	4617405.043	9397698.528	262.575

677	1.520	186.380	100.945	195.860	195.839	4617408.196	9397698.360	262.500
678	1.520	186.932	101.011	195.860	195.836	4617409.892	9397698.476	262.297
679	1.520	188.004	101.108	195.910	195.881	4617413.182	9397698.692	261.997
680	1.520	187.204	100.997	171.110	171.090	4617408.870	9397723.214	262.726
681	1.520	186.609	100.961	171.080	171.061	4617407.272	9397723.129	262.823
682	1.520	185.464	100.942	171.120	171.102	4617404.201	9397722.914	262.873
683	1.520	184.372	100.979	170.920	170.901	4617401.265	9397723.000	262.779
684	1.520	183.627	101.054	170.950	170.927	4617399.265	9397722.924	262.576
685	1.520	180.518	100.990	164.610	164.591	4617391.107	9397729.304	262.846
686	1.520	179.242	100.990	162.000	161.981	4617387.941	9397732.042	262.886
687	1.520	182.059	101.037	146.070	146.051	4617395.198	9397747.772	263.026
688	1.520	182.931	101.386	146.040	146.006	4617397.196	9397747.820	262.225
689	1.520	183.541	101.125	146.000	145.978	4617398.595	9397747.866	262.826
690	1.520	184.221	101.037	145.990	145.971	4617400.154	9397747.908	263.027
691	1.520	185.513	100.993	145.330	145.313	4617403.083	9397748.679	263.139
692	1.520	186.921	101.024	144.810	144.792	4617406.254	9397749.390	263.075
693	1.520	188.022	101.196	144.840	144.815	4617408.751	9397749.566	262.686
694	1.520	188.680	101.459	144.910	144.873	4617410.247	9397749.648	262.086
695	1.520	189.778	100.931	144.970	144.955	4617412.741	9397749.832	263.286
696	1.520	188.469	101.029	104.520	104.507	4617405.941	9397789.785	263.715
697	1.520	187.556	101.031	104.460	104.447	4617404.443	9397789.714	263.714
698	1.520	185.829	101.027	104.720	104.707	4617401.631	9397789.264	263.716
699	1.520	183.980	101.091	104.860	104.845	4617398.595	9397789.007	263.608
700	1.520	183.008	101.153	104.870	104.853	4617396.995	9397788.972	263.505
701	1.520	196.315	99.371	79.990	79.987	4617413.347	9397815.732	266.195
702	1.520	190.741	102.171	79.490	79.444	4617406.381	9397815.054	262.694
703	1.520	189.538	100.970	79.430	79.421	4617404.889	9397814.896	264.195
704	1.520	188.336	100.972	79.420	79.411	4617403.396	9397814.752	264.192
705	1.520	186.097	101.004	78.620	78.611	4617400.565	9397815.341	264.165
706	1.520	183.851	101.069	77.090	77.080	4617397.759	9397816.761	264.110
707	1.520	182.364	101.065	77.110	77.100	4617395.959	9397816.721	264.115
708	1.520	181.786	101.725	77.130	77.102	4617395.259	9397816.723	263.315
709	1.520	178.902	100.898	77.290	77.283	4617391.758	9397816.656	264.315
710	1.520	180.047	101.234	46.950	46.941	4617394.278	9397846.912	264.494
711	1.520	182.082	101.231	46.900	46.891	4617395.779	9397846.930	264.498
712	1.520	186.046	100.984	46.550	46.545	4617398.677	9397847.352	264.684
713	1.520	190.050	100.887	46.200	46.196	4617401.551	9397847.956	264.760
714	1.520	192.254	101.019	46.210	46.204	4617403.137	9397848.167	264.664
715	1.520	207.513	101.106	14.970	14.968	4617401.777	9397880.001	265.144
715	1.520	207.551	106.196	15.030	14.959	4617401.782	9397880.012	263.944
716	1.520	194.600	101.147	14.630	14.628	4617398.810	9397879.460	265.140
717	1.520	202.575	101.540	14.880	14.876	4617400.660	9397879.684	265.044
718	1.520	181.789	101.488	14.830	14.826	4617395.882	9397878.996	265.058
719	1.520	168.551	102.024	15.210	15.202	4617392.743	9397878.978	264.920
720	1.520	161.879	102.413	15.300	15.289	4617391.181	9397879.321	264.824
721	1.520	155.058	105.506	15.050	14.994	4617389.781	9397880.191	264.104
722	1.520	24.795	101.390	14.210	14.207	4617387.256	9397904.995	265.094
723	1.520	19.260	101.169	13.320	13.318	4617388.746	9397904.971	265.159
724	1.520	5.349	100.526	12.870	12.870	4617391.494	9397905.865	265.298
725	1.520	390.727	100.048	13.150	13.150	4617394.318	9397906.859	265.394
726	1.520	383.156	100.664	13.420	13.419	4617395.874	9397907.239	265.264
727	1.520	384.975	98.322	48.180	48.164	4617394.098	9397941.946	266.674
728	1.520	391.581	100.442	47.560	47.559	4617389.210	9397940.889	265.074
729	1.520	392.651	99.638	47.540	47.539	4617388.423	9397940.748	265.674
730	1.520	394.795	99.598	47.480	47.479	4617386.859	9397940.406	265.704
731	1.520	398.646	99.736	47.750	47.750	4617383.992	9397940.029	265.602
732	1.520	3.221	99.920	47.740	47.740	4617380.708	9397939.036	265.464
733	1.520	5.214	99.987	47.860	47.860	4617379.258	9397938.647	265.414
734	1.520	6.540	101.182	47.940	47.932	4617378.301	9397938.354	264.514
735	1.520	14.355	98.553	48.830	48.818	4617372.556	9397936.625	266.514
736	1.520	3.013	99.943	78.200	78.200	4617371.174	9397967.966	265.474
737	1.520	1.226	99.778	78.190	78.190	4617373.267	9397968.625	265.677
738	1.520	399.404	99.685	78.250	78.249	4617375.403	9397969.303	265.791
739	1.520	396.913	99.637	77.220	77.219	4617378.603	9397969.048	265.845
740	1.520	395.264	99.744	77.230	77.230	4617380.556	9397969.485	265.715
741	1.520	4.879	99.786	104.280	104.280	4617360.001	9397991.680	265.755
742	1.520	3.660	100.458	104.200	104.198	4617361.908	9397992.274	264.655
743	1.520	2.621	99.786	104.100	104.100	4617363.550	9397992.725	265.755

744	1.520	1.577	99.725	104.050	104.050	4617365.192	9397993.196	265.855
745	1.520	399.625	99.661	104.010	104.009	4617368.264	9397994.056	265.959
746	1.520	397.989	99.637	103.380	103.379	4617371.001	9397994.125	265.995
747	1.520	396.758	100.252	103.440	103.440	4617372.932	9397994.649	264.995
748	1.520	396.143	100.252	103.460	103.460	4617373.903	9397994.887	264.995
749	1.520	392.466	98.535	103.890	103.863	4617379.710	9397996.394	267.795
750	1.520	397.331	99.653	131.920	131.919	4617365.416	9398022.139	266.125
751	1.520	398.296	99.566	131.920	131.918	4617363.475	9398021.659	266.305
752	1.520	399.881	99.551	131.710	131.707	4617360.359	9398020.606	266.335
753	1.520	1.300	99.589	131.780	131.778	4617357.521	9398019.847	266.255
754	1.520	2.122	99.638	131.800	131.799	4617355.892	9398019.359	266.155
755	1.520	3.907	98.866	131.920	131.900	4617352.354	9398018.280	267.755
756	1.520	1.958	99.654	158.030	158.029	4617348.292	9398044.467	266.266
757	1.520	1.272	99.533	157.990	157.987	4617349.930	9398044.932	266.566
758	1.520	400.012	99.511	158.100	158.096	4617352.899	9398045.920	266.619
759	1.520	396.569	99.529	158.220	158.217	4617361.159	9398048.147	266.576
760	1.520	396.970	99.529	158.210	158.207	4617360.190	9398047.915	266.576

Станция: пт16(8) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт15(7)	4617396.029	9397893.821	265.271	103.0458	0.0012
пт15(7)	4617396.029	9397893.821	265.271	103.0440	0.0030
пт17(8)	4617419.608	9397296.687	256.178	103.0499	-0.0029
пт17(8)	4617419.608	9397296.687	256.178	103.0485	-0.0015
пт16(8)	4617411.995	9397560.354	260.563	103.0470	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт15(7)	1.520	400.000	99.135	333.890	333.847	0.006	0.002	0.021
пт15(7)	1.520	400.002	99.135	333.890	333.847	0.015	0.003	0.021
пт17(8)	1.520	198.788	101.096	263.820	263.772	0.013	-0.004	0.014
пт17(8)	1.520	198.789	101.096	263.830	263.782	0.007	0.006	0.014
761	1.520	3.177	99.288	93.840	93.835	4617402.836	9397653.740	261.754
762	1.520	2.769	99.220	93.810	93.803	4617403.437	9397653.766	261.853
763	1.520	2.091	99.240	93.770	93.764	4617404.437	9397653.812	261.823
764	1.520	400.227	99.204	93.840	93.833	4617407.172	9397654.063	261.877
765	1.520	398.471	99.293	93.670	93.665	4617409.762	9397653.992	261.743
766	1.520	397.384	99.388	93.700	93.696	4617411.361	9397654.048	261.604
767	1.520	394.537	101.288	93.920	93.901	4617415.558	9397654.187	258.803
768	1.520	6.529	100.700	88.190	88.185	4617398.780	9397647.543	259.733
769	1.520	11.174	101.242	67.150	67.138	4617397.122	9397625.823	259.393
770	1.520	6.417	101.116	65.010	65.000	4617402.368	9397624.637	259.563
771	1.520	4.565	99.541	66.510	66.509	4617404.061	9397626.387	261.183
772	1.520	3.481	99.344	66.510	66.507	4617405.187	9397626.511	261.388
773	1.520	400.600	99.351	66.480	66.477	4617408.189	9397626.722	261.381
774	1.520	397.884	99.418	66.750	66.748	4617411.019	9397627.094	261.313
775	1.520	396.359	99.609	66.780	66.779	4617412.618	9397627.130	261.113
776	1.520	386.899	103.190	36.140	36.095	4617417.672	9397595.999	258.893
777	1.520	392.278	99.483	35.740	35.739	4617414.617	9397595.996	260.993
778	1.520	393.699	99.661	35.670	35.670	4617413.818	9397595.977	260.893
779	1.520	396.378	99.660	35.630	35.630	4617412.317	9397595.982	260.893
780	1.520	1.230	99.567	35.200	35.199	4617409.632	9397595.474	260.942
781	1.520	6.428	99.579	36.090	36.089	4617406.644	9397596.044	260.941
782	1.520	8.510	99.720	36.300	36.300	4617405.442	9397596.057	260.863
783	1.520	11.138	100.070	36.330	36.330	4617403.967	9397595.786	260.663
784	1.520	338.946	102.866	4.220	4.216	4617415.326	9397562.937	260.513
785	1.520	365.357	103.077	3.870	3.866	4617413.836	9397563.753	260.516
786	1.520	18.783	101.979	2.960	2.959	4617411.000	9397563.140	260.611
787	1.520	63.178	102.438	4.560	4.557	4617408.065	9397562.659	260.528
788	1.520	64.762	102.167	5.850	5.847	4617406.880	9397563.186	260.504
789	1.520	64.761	115.494	9.130	8.861	4617404.243	9397564.646	258.503
790	1.520	190.866	101.165	38.810	38.804	4617408.290	9397521.727	259.993
791	1.520	193.328	101.170	38.810	38.804	4617409.787	9397521.613	259.990
792	1.520	197.784	101.041	39.190	39.185	4617412.507	9397521.172	260.062
793	1.520	202.537	101.175	41.190	41.183	4617415.603	9397519.329	259.943
794	1.520	204.236	101.251	41.230	41.222	4617416.701	9397519.401	259.893
795	1.520	204.851	101.250	41.270	41.262	4617417.101	9397519.409	259.893
796	1.520	194.360	101.132	58.530	58.521	4617409.612	9397501.881	259.662

797	1.520	191.918	102.896	69.710	69.638	4617406.493	9397490.933	257.533
798	1.520	194.662	101.069	69.600	69.591	4617409.491	9397490.808	259.534
799	1.520	196.170	101.046	69.510	69.501	4617411.140	9397490.858	259.562
800	1.520	198.629	101.028	69.450	69.441	4617413.823	9397490.936	259.582
801	1.520	201.385	101.011	70.550	70.541	4617416.902	9397489.983	259.583
802	1.520	202.107	101.010	70.570	70.561	4617417.702	9397490.023	259.583
803	1.520	203.009	101.010	70.580	70.571	4617418.699	9397490.101	259.583
804	1.520	205.708	102.805	70.820	70.752	4617421.694	9397490.270	257.583
805	1.520	201.739	100.962	98.570	98.559	4617419.398	9397462.073	259.213
806	1.520	200.770	100.963	98.520	98.509	4617417.897	9397462.021	259.214
807	1.520	198.871	100.958	98.730	98.719	4617414.968	9397461.679	259.218
808	1.520	197.166	100.965	99.460	99.449	4617412.328	9397460.905	259.197
809	1.520	196.014	101.094	99.500	99.486	4617410.528	9397460.879	258.993

Станция: пт17(8) Ih = 1.659

Име(клас)	X	Y	H	O	V
пт16(8)	4617411.995	9397560.354	260.563	101.8376	0.0003
пт16(8)	4617411.995	9397560.354	260.563	101.8362	0.0017
пт18(8)	4617354.349	9397114.787	249.080	101.8386	-0.0007
пт18(8)	4617354.349	9397114.787	249.080	101.8394	-0.0015
пт17(8)	4617419.608	9397296.687	256.178	101.8379	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт16(8)	1.520	400.000	98.980	263.820	263.777	0.001	-0.001	0.014
пт16(8)	1.520	400.001	98.980	263.820	263.777	0.007	-0.000	0.014
пт18(8)	1.520	176.232	102.386	193.400	193.258	0.004	0.004	0.006
пт18(8)	1.520	176.232	102.386	193.400	193.258	0.007	0.003	0.006
810	1.520	180.305	102.368	126.640	126.553	4617384.574	9397175.080	251.609
811	1.520	181.059	102.344	126.570	126.485	4617386.034	9397174.740	251.659
812	1.520	182.670	102.272	126.520	126.440	4617389.141	9397173.973	251.805
813	1.520	184.323	102.194	126.540	126.466	4617392.332	9397173.198	251.959
814	1.520	185.028	102.269	126.560	126.480	4617393.698	9397172.889	251.809
815	2.000	180.711	103.187	107.520	107.386	4617390.538	9397193.311	250.458
816	2.000	182.016	102.064	107.380	107.324	4617392.678	9397192.797	252.358
817	2.000	183.084	102.006	107.360	107.307	4617394.429	9397192.376	252.455
818	2.600	184.861	101.555	106.950	106.919	4617397.432	9397192.094	252.627
819	1.520	186.537	102.165	106.840	106.779	4617400.217	9397191.684	252.685
820	1.520	187.728	102.282	106.890	106.822	4617402.178	9397191.297	252.488
821	1.520	188.920	102.579	106.930	106.843	4617404.152	9397190.968	251.988
822	1.520	191.298	102.752	107.150	107.050	4617408.088	9397190.259	251.688
823	1.520	190.648	102.097	85.330	85.284	4617409.565	9397211.997	253.508
824	1.520	189.327	102.100	85.260	85.214	4617407.819	9397212.293	253.506
825	1.520	187.367	102.143	84.010	83.963	4617405.438	9397213.929	253.490
826	1.520	185.089	102.280	83.230	83.177	4617402.647	9397215.258	253.338
827	1.520	183.941	102.508	83.270	83.206	4617401.176	9397215.549	253.038
828	1.520	184.937	102.563	63.340	63.289	4617406.555	9397234.759	253.768
829	1.520	186.647	102.363	63.330	63.287	4617408.223	9397234.433	253.967
830	1.520	189.476	102.182	63.370	63.333	4617410.994	9397233.943	254.146
831	1.520	192.439	102.030	63.330	63.298	4617413.925	9397233.645	254.299
832	1.520	193.956	102.115	63.070	63.036	4617415.446	9397233.789	254.223
833	1.520	195.975	103.620	63.160	63.058	4617417.442	9397233.666	252.728
834	1.520	208.847	102.055	64.750	64.717	4617430.419	9397232.880	254.228
835	1.520	180.647	104.638	61.140	60.978	4617403.042	9397238.003	251.868
836	1.520	186.086	102.853	37.810	37.772	4617412.486	9397259.593	254.624
837	1.520	188.435	102.577	37.690	37.659	4617413.876	9397259.467	254.792
838	1.520	193.620	102.256	36.910	36.887	4617416.978	9397259.894	255.010
839	1.520	198.955	102.076	36.420	36.401	4617420.061	9397260.289	255.130
840	1.520	201.483	102.294	36.610	36.586	4617421.515	9397260.151	254.999
841	1.520	234.583	102.138	16.970	16.961	4617428.790	9397282.428	255.748
842	1.520	219.461	106.100	16.310	16.235	4617424.939	9397281.352	254.757
843	1.520	215.405	102.218	16.170	16.160	4617423.931	9397281.116	255.754
844	1.520	210.296	101.867	15.790	15.783	4617422.598	9397281.190	255.855
845	1.520	197.874	102.276	15.520	15.510	4617419.538	9397281.177	255.763
846	1.520	185.713	102.709	15.120	15.106	4617416.673	9397281.869	255.674
847	1.520	181.164	103.186	15.190	15.171	4617415.605	9397282.054	255.558
848	1.520	168.742	111.237	15.720	15.476	4617412.708	9397282.835	253.557
849	1.520	27.645	102.746	6.720	6.714	4617416.609	9397302.694	256.028

850	1.520	11.297	100.875	6.520	6.519	4617418.272	9397303.069	256.228
851	1.520	385.752	99.659	6.740	6.740	4617420.913	9397303.300	256.354
852	1.520	359.779	98.665	7.990	7.988	4617424.138	9397303.267	256.485
853	1.520	353.708	99.157	9.640	9.639	4617425.805	9397304.070	256.445
854	1.520	380.416	98.877	21.580	21.577	4617425.545	9397317.431	256.698
855	1.520	371.670	98.891	21.810	21.807	4617428.423	9397316.633	256.698
856	1.520	376.042	101.822	21.660	21.651	4617426.980	9397317.045	255.698
857	1.520	380.326	98.876	21.570	21.567	4617425.572	9397317.413	256.698
858	1.520	384.959	98.600	21.140	21.135	4617423.960	9397317.369	256.782
859	1.520	393.755	98.899	21.100	21.097	4617421.067	9397317.734	256.682
860	1.520	2.779	99.304	21.260	21.259	4617418.068	9397317.890	256.550
861	1.520	11.711	99.911	21.450	21.450	4617415.077	9397317.654	256.348
862	1.520	385.177	98.782	37.980	37.973	4617427.300	9397333.873	257.044
863	1.520	386.994	98.585	37.980	37.971	4617426.235	9397334.075	257.162
864	1.520	392.152	98.725	37.600	37.593	4617423.152	9397334.113	257.071
865	1.520	396.925	98.715	36.980	36.973	4617420.326	9397333.653	257.064
866	1.520	1.893	98.908	37.310	37.305	4617417.423	9397333.928	256.958
867	1.520	381.274	98.011	49.380	49.356	4617432.548	9397344.317	257.860
868	1.520	380.416	97.918	52.840	52.812	4617434.139	9397347.461	258.046
869	1.520	390.914	98.584	53.160	53.147	4617425.646	9397349.490	257.500
870	1.520	391.653	98.680	57.390	57.378	4617425.465	9397353.766	257.507
871	1.520	394.906	98.653	57.000	56.988	4617422.521	9397353.600	257.524
872	1.520	398.378	98.677	56.950	56.938	4617419.415	9397353.625	257.502
873	2.600	1.339	97.564	57.010	56.969	4617416.766	9397353.585	257.418
874	2.600	3.105	97.636	57.170	57.131	4617415.176	9397353.646	257.360
875	1.520	5.418	100.017	73.590	73.590	4617411.239	9397369.800	256.298
876	1.520	3.310	98.804	73.450	73.437	4617413.676	9397369.885	257.698
877	1.520	1.576	98.760	73.400	73.386	4617415.674	9397369.968	257.748
878	1.520	398.865	98.680	73.800	73.785	4617418.793	9397370.467	257.848
879	1.520	396.222	98.675	73.530	73.514	4617421.848	9397370.168	257.848
880	1.520	393.193	98.802	74.210	74.197	4617425.394	9397370.659	257.714
881	1.520	391.936	99.226	74.390	74.385	4617426.872	9397370.717	257.222
882	1.520	389.365	97.949	74.500	74.462	4617429.865	9397370.439	258.718
883	1.520	396.472	98.874	101.780	101.765	4617422.309	9397398.416	258.118
884	1.520	397.536	98.748	101.770	101.751	4617420.609	9397398.433	258.319
885	1.520	399.348	98.740	101.920	101.901	4617417.710	9397398.570	258.335
886	1.520	1.285	98.799	101.810	101.792	4617414.617	9397398.357	258.238
887	1.520	2.521	98.975	101.840	101.827	4617412.641	9397398.276	257.958
888	1.520	3.069	101.197	136.200	136.177	4617409.123	9397432.460	253.759
889	1.520	1.654	98.952	136.130	136.112	4617412.145	9397432.595	258.559
890	1.520	1.186	98.859	136.110	136.089	4617413.146	9397432.623	258.759
891	1.520	399.782	98.855	136.420	136.399	4617416.138	9397433.042	258.771
892	1.520	398.371	98.843	136.100	136.078	4617419.162	9397432.765	258.792
893	1.520	398.381	98.848	140.520	140.498	4617419.126	9397437.184	258.862
894	1.520	394.249	99.108	133.870	133.858	4617427.830	9397430.292	258.194
895	1.520	394.441	99.159	138.140	138.129	4617427.677	9397434.580	258.145

Станция: пт18(8) Ih = 1.673

Име(клас)	X	Y	H	O	V
пт17(8)	4617419.608	9397296.687	256.178	236.8491	-0.0009
пт17(8)	4617419.608	9397296.687	256.178	236.8465	0.0017
пт19(8)	4617231.036	9397034.196	243.708	236.8499	-0.0017
пт19(8)	4617231.036	9397034.196	243.708	236.8475	0.0007
пт18(8)	4617354.349	9397114.787	249.080	236.8482	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт17(8)	1.520	241.222	97.716	193.380	193.249	-0.002	0.004	0.007
пт17(8)	1.520	241.225	97.716	193.380	193.249	0.006	0.002	0.007
пт19(8)	1.520	400.002	102.390	147.430	147.321	0.010	0.001	0.008
пт19(8)	1.520	400.004	102.390	147.420	147.311	-0.001	0.000	0.007
896	0.000	158.236	109.810	8.400	8.301	4617362.625	9397114.147	249.464
897	0.000	73.070	111.818	9.180	9.022	4617355.749	9397105.874	249.058
898	0.000	370.084	109.154	20.120	19.912	4617334.554	9397112.623	247.870
899	2.000	2.530	102.206	66.670	66.630	4617300.064	9397076.151	246.443
900	2.000	3.965	103.162	66.680	66.598	4617300.974	9397074.957	245.443
901	2.000	4.633	102.304	66.610	66.567	4617301.420	9397074.418	246.343
902	2.000	6.356	102.212	66.570	66.530	4617302.560	9397073.023	246.441

903	2.000	8.763	102.110	66.560	66.524	4617304.181	9397071.099	246.547
904	2.000	11.903	101.967	67.130	67.098	4617305.982	9397068.281	246.680
905	2.000	13.771	102.058	67.120	67.085	4617307.376	9397066.891	246.583
906	2.000	15.668	102.908	67.240	67.170	4617308.766	9397065.451	245.683
907	2.000	17.556	101.390	67.320	67.304	4617310.161	9397064.020	247.283
908	1.520	2.727	103.059	38.310	38.266	4617323.242	9397092.502	247.393
909	1.520	6.049	102.897	38.240	38.201	4617324.498	9397090.950	247.493
910	1.520	11.123	102.691	37.460	37.427	4617327.054	9397089.179	247.650
911	1.520	15.624	102.555	36.580	36.551	4617329.526	9397087.958	247.765
912	1.520	19.103	102.728	36.650	36.617	4617330.987	9397086.591	247.663
913	1.520	41.408	109.002	12.840	12.712	4617350.091	9397102.809	247.423
914	1.520	30.468	104.223	12.220	12.193	4617348.360	9397104.166	248.423
915	1.520	20.838	103.216	12.070	12.055	4617346.914	9397105.298	248.623
916	1.520	5.918	103.480	12.100	12.082	4617344.892	9397107.267	248.572
917	1.520	390.598	103.781	12.260	12.238	4617343.230	9397109.672	248.505
918	1.520	380.270	105.283	12.430	12.387	4617342.407	9397111.496	248.202
919	1.520	370.490	107.529	12.970	12.879	4617341.555	9397113.306	247.703
920	1.520	278.408	103.313	8.270	8.259	4617352.389	9397122.810	248.803
921	1.520	262.834	101.055	8.000	7.999	4617354.389	9397122.786	249.100
922	1.520	240.969	99.952	7.000	7.000	4617356.739	9397121.366	249.238
923	1.520	214.873	98.576	8.460	8.458	4617360.166	9397120.927	249.422
924	1.520	200.078	100.806	8.680	8.679	4617361.609	9397119.544	249.123
925	1.520	208.464	99.775	31.110	31.110	4617377.906	9397135.107	249.343
926	1.520	214.584	101.016	30.690	30.686	4617375.554	9397136.968	248.743
927	1.520	216.658	98.317	30.650	30.639	4617374.789	9397137.612	250.043
928	1.520	220.818	97.680	30.570	30.550	4617373.200	9397138.827	250.347
929	1.520	227.054	97.879	30.670	30.653	4617370.813	9397140.643	250.255
930	1.520	233.017	98.060	31.010	30.996	4617368.479	9397142.374	250.178
931	1.520	236.704	98.688	31.060	31.054	4617366.882	9397143.199	249.873
932	1.520	243.195	102.129	31.410	31.393	4617364.029	9397144.650	248.183
933	1.520	234.195	98.341	54.490	54.472	4617378.280	9397163.720	250.653
934	1.520	232.442	97.825	54.450	54.419	4617379.594	9397162.996	251.093
935	1.520	228.378	97.668	54.550	54.514	4617382.667	9397161.368	251.231
936	1.520	225.059	97.598	54.870	54.831	4617385.235	9397160.092	251.303
937	1.520	223.202	97.831	54.900	54.868	4617386.565	9397159.202	251.103
938	1.520	221.932	99.180	78.410	78.404	4617401.640	9397177.322	250.243
939	1.520	225.993	97.874	78.160	78.117	4617397.400	9397179.970	251.843
940	1.520	227.600	97.546	78.120	78.062	4617395.712	9397180.990	252.244
941	1.520	229.864	97.596	77.660	77.605	4617393.103	9397182.023	252.165
942	1.520	232.242	97.686	77.600	77.549	4617390.539	9397183.374	252.053

Станция: пт19(8) Ih = 1.650

Име(клас)	X	Y	H	O	V
пт18(8)	4617354.349	9397114.787	249.080	36.8518	0.0003
пт18(8)	4617354.349	9397114.787	249.080	36.8514	0.0007
пт20(8)	4616873.535	9396909.196	230.211	36.8521	-0.0000
пт20(8)	4616873.535	9396909.196	230.211	36.8527	-0.0006
пт19(8)	4617231.036	9397034.196	243.708	36.8521	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт18(8)	2.600	400.000	97.274	147.450	147.310	0.002	0.001	0.008
пт18(8)	2.600	400.000	97.274	147.450	147.310	0.003	0.000	0.008
пт20(8)	1.520	184.561	102.292	378.990	378.733	0.008	0.002	0.008
пт20(8)	1.520	184.561	102.293	378.980	378.723	0.000	-0.005	0.007
943	0.000	148.847	110.311	11.270	11.123	4617220.193	9397036.674	243.541
944	0.000	2.868	102.505	20.520	20.504	4617247.678	9397046.175	244.551
945	1.520	386.686	98.034	69.970	69.937	4617296.248	9397059.469	245.998
946	1.520	388.051	97.848	69.950	69.910	4617295.666	9397060.851	246.203
947	2.600	390.439	96.869	68.630	68.547	4617293.381	9397062.690	246.132
948	2.600	393.292	97.006	67.970	67.895	4617291.461	9397065.157	245.954
949	2.600	394.886	97.198	67.970	67.905	4617290.676	9397066.664	245.748
950	1.520	371.633	96.395	41.700	41.633	4617272.301	9397039.728	246.198
951	1.520	375.900	98.828	41.290	41.283	4617271.494	9397042.410	244.598
952	1.520	377.750	98.055	41.250	41.231	4617271.188	9397043.570	245.098
953	1.520	380.839	97.904	41.200	41.178	4617270.635	9397045.492	245.194
954	1.520	385.157	97.892	40.360	40.338	4617268.988	9397047.865	245.174
955	1.520	389.900	98.053	37.930	37.912	4617265.651	9397049.663	244.998

956	1.520	392.920	98.222	37.970	37.955	4617264.917	9397051.306	244.898
957	1.520	394.929	100.067	38.020	38.020	4617264.417	9397052.397	243.798
958	1.520	398.248	98.735	38.250	38.243	4617263.612	9397054.229	244.598
959	1.520	391.790	98.742	19.090	19.086	4617248.224	9397042.496	244.215
960	1.520	386.739	98.440	19.090	19.084	4617248.825	9397041.107	244.305
961	1.520	376.438	98.109	19.410	19.402	4617250.017	9397038.217	244.414
962	1.520	367.795	98.069	20.250	20.241	4617251.223	9397035.672	244.452
963	1.520	363.225	98.446	20.530	20.524	4617251.560	9397034.221	244.339
964	1.520	245.903	107.826	12.150	12.058	4617227.810	9397022.577	242.348
965	1.520	245.905	102.396	10.250	10.243	4617228.296	9397024.327	243.452
966	1.520	241.236	101.804	8.710	8.707	4617228.099	9397026.000	243.591
967	1.520	223.141	102.987	7.090	7.082	4617226.873	9397028.467	243.505
968	1.520	192.961	103.903	5.960	5.949	4617225.728	9397031.511	243.473
969	1.520	177.189	104.566	5.800	5.785	4617225.391	9397032.930	243.422
970	1.520	158.001	112.641	6.180	6.059	4617224.998	9397034.685	242.619
971	1.520	182.898	102.667	43.980	43.942	4617189.193	9397020.781	241.996
972	1.520	185.067	102.461	44.240	44.207	4617189.424	9397019.274	242.128
973	1.520	189.553	102.341	43.830	43.801	4617190.950	9397016.545	242.227
974	1.520	193.984	102.358	43.220	43.191	4617192.814	9397014.084	242.238
975	1.520	196.935	102.540	42.800	42.766	4617194.153	9397012.549	242.131
976	1.520	193.880	102.461	77.890	77.832	4617162.098	9396998.066	240.828
977	1.520	192.080	103.117	77.830	77.737	4617161.190	9397000.071	240.029
978	1.520	190.607	102.468	77.780	77.722	4617160.433	9397001.703	240.824
979	1.520	189.348	102.377	77.840	77.786	4617159.745	9397003.080	240.932
980	1.520	187.118	102.352	77.830	77.777	4617158.707	9397005.599	240.963
981	1.520	184.499	102.391	76.790	76.736	4617158.575	9397008.940	240.955
982	1.520	183.171	102.554	76.810	76.749	4617158.053	9397010.453	240.758
983	1.520	182.010	103.380	76.890	76.782	4617157.600	9397011.778	239.758
984	1.520	179.530	102.877	77.030	76.952	4617156.618	9397014.612	240.358
985	1.520	188.368	102.362	114.070	113.992	4617125.873	9396990.209	239.608
986	1.520	187.570	102.323	113.930	113.855	4617125.457	9396991.583	239.682
987	1.520	185.905	102.312	114.000	113.925	4617124.312	9396994.334	239.700
988	1.520	184.278	102.326	114.180	114.104	4617123.160	9396997.016	239.668
989	1.520	183.385	102.381	114.190	114.111	4617122.643	9396998.530	239.569
990	1.520	189.293	101.899	149.880	149.814	4617093.680	9396974.385	239.369
991	1.520	188.018	102.665	149.840	149.710	4617092.607	9396977.186	237.570
992	1.520	187.168	102.326	149.810	149.711	4617091.856	9396979.040	238.367
993	1.520	186.601	102.280	150.030	149.935	4617091.162	9396980.201	238.466
994	1.520	185.349	102.255	149.900	149.807	4617090.247	9396983.006	238.531
995	1.520	184.011	102.279	150.290	150.195	4617088.836	9396985.850	238.460
996	1.520	183.376	102.325	150.340	150.241	4617088.316	9396987.258	238.349
997	1.520	182.656	102.706	150.390	150.255	4617087.781	9396988.871	237.449
998	1.520	181.385	102.362	150.450	150.347	4617086.816	9396991.714	238.259
999	1.520	186.678	102.266	185.450	185.334	4617058.219	9396967.244	237.240
1000	1.520	185.992	102.232	185.410	185.297	4617057.541	9396969.124	237.341
1001	1.520	185.005	102.224	185.300	185.188	4617056.656	9396971.857	237.368

Станция: пт20(8) Ih = 1.657

Име(клас)	X	Y	H	O	V
пт19(8)	4617231.036	9397034.196	243.708	21.4134	-0.0009
пт19(8)	4617231.036	9397034.196	243.708	21.4100	0.0025
пт21(8)	4616647.019	9396837.338	220.995	21.4139	-0.0014
пт21(8)	4616647.019	9396837.338	220.995	21.4129	-0.0004
пт20(8)	4616873.535	9396909.196	230.211	21.4125	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт19(8)	2.600	400.000	97.577	379.010	378.723	-0.001	0.006	0.009
пт19(8)	2.600	400.003	97.577	379.010	378.723	0.006	-0.013	0.009
пт21(8)	1.520	198.142	102.506	237.840	237.649	0.009	-0.003	0.003
пт21(8)	1.520	198.143	102.506	237.840	237.649	0.008	0.001	0.003
1002	0.000	212.936	104.794	45.530	45.401	4616834.584	9396885.872	228.443
1003	0.000	228.261	108.338	14.050	13.930	4616863.635	9396899.397	230.033
1004	0.000	148.369	107.846	17.270	17.139	4616858.291	9396917.030	229.745
1005	0.000	83.482	109.076	11.410	11.294	4616872.668	9396920.457	230.247
1006	1.520	194.661	103.551	184.750	184.464	4616694.919	9396863.117	220.051
1007	1.520	196.663	102.589	184.450	184.298	4616696.615	9396857.570	222.850
1008	1.520	197.423	102.521	184.430	184.287	4616697.256	9396855.464	223.050

1009	1.520	198.408	102.510	184.090	183.948	4616698.430	9396852.848	223.095
1010	1.520	199.422	102.498	184.080	183.939	4616699.359	9396850.067	223.131
1011	1.520	200.012	102.532	184.100	183.955	4616699.899	9396848.450	223.030
1012	1.520	200.634	103.084	184.200	183.985	4616700.473	9396846.746	221.431
1013	1.520	202.100	102.620	167.190	167.049	4616717.751	9396848.892	223.470
1014	1.520	199.471	102.509	166.980	166.851	4616715.581	9396855.439	223.770
1015	1.520	202.867	102.735	165.300	165.148	4616720.253	9396847.727	223.250
1016	1.520	199.493	102.499	161.280	161.157	4616720.989	9396857.223	224.020
1017	1.520	198.397	102.499	161.190	161.067	4616720.203	9396859.882	224.024
1018	1.520	197.099	102.517	156.340	156.219	4616723.874	9396864.410	224.170
1019	1.520	196.406	102.557	156.370	156.245	4616723.371	9396866.034	224.070
1020	1.520	194.044	103.463	123.970	123.787	4616753.378	9396879.437	223.609
1021	1.520	195.741	102.593	123.790	123.688	4616754.310	9396876.271	225.309
1022	1.520	196.616	102.541	123.790	123.692	4616754.770	9396874.634	225.410
1023	1.520	198.081	102.528	123.160	123.064	4616756.196	9396872.100	225.459
1024	1.520	200.509	102.630	123.500	123.395	4616757.383	9396867.541	225.249
1025	1.520	201.695	102.886	123.570	123.444	4616758.134	9396865.367	224.749
1026	1.520	199.618	102.527	123.480	123.383	4616756.823	9396869.174	225.449
1027	1.520	194.478	102.630	92.720	92.641	4616783.765	9396886.311	226.519
1028	1.520	195.715	102.562	92.700	92.625	4616784.242	9396884.576	226.619
1029	1.520	197.785	102.557	92.420	92.346	4616785.356	9396881.769	226.638
1030	1.520	199.683	102.556	92.430	92.356	4616786.204	9396879.149	226.639
1031	1.520	200.923	102.623	92.490	92.412	4616786.753	9396877.435	226.539
1032	1.520	204.024	103.736	58.820	58.719	4616819.441	9396886.355	226.898
1033	1.520	202.397	102.875	58.700	58.640	4616818.948	9396887.773	227.699
1034	1.520	200.227	102.656	58.570	58.519	4616818.364	9396889.686	227.906
1035	1.520	197.119	102.656	58.710	58.659	4616817.344	9396892.362	227.900
1036	1.520	194.366	102.643	58.300	58.250	4616817.065	9396894.907	227.929
1037	1.520	192.181	102.641	58.340	58.290	4616816.569	9396896.845	227.928
1038	1.520	190.005	104.589	58.590	58.438	4616816.034	9396898.772	226.128
1039	1.520	177.919	102.762	29.980	29.952	4616843.585	9396909.511	229.048
1040	1.520	188.598	102.795	29.560	29.532	4616844.368	9396904.572	229.051
1041	1.520	195.131	102.796	28.850	28.822	4616845.681	9396901.790	229.082
1042	1.520	201.400	102.795	28.580	28.553	4616846.796	9396899.183	229.094
1043	1.520	205.323	103.259	28.530	28.493	4616847.518	9396897.579	228.888
1044	1.520	42.895	103.819	11.510	11.489	4616879.645	9396918.927	229.658
1045	1.520	34.559	99.400	11.380	11.380	4616880.793	9396917.961	230.455
1046	1.520	27.535	98.745	10.730	10.728	4616881.245	9396916.656	230.560
1047	1.520	9.677	98.165	9.920	9.916	4616882.292	9396913.849	230.634
1048	1.520	391.936	98.542	10.480	10.477	4616883.783	9396911.377	230.588
1049	1.520	381.143	99.055	10.780	10.779	4616884.305	9396909.629	230.508
1050	1.520	394.701	97.814	42.230	42.205	4616914.396	9396919.765	231.798
1051	1.520	397.416	97.840	42.150	42.126	4616913.832	9396921.475	231.778
1052	1.520	1.683	97.790	42.110	42.085	4616912.881	9396924.131	231.810
1053	1.520	5.858	97.883	43.910	43.886	4616913.456	9396927.426	231.808
1054	1.520	8.455	97.777	56.480	56.446	4616923.882	9396934.718	232.320
1055	1.520	10.710	98.456	56.480	56.464	4616922.962	9396936.493	231.718
1056	1.520	8.548	98.670	71.820	71.805	4616937.534	9396941.755	231.849
1057	1.520	6.246	97.778	71.640	71.597	4616938.480	9396939.333	232.848
1058	1.520	3.222	97.773	71.550	71.507	4616939.755	9396936.181	232.851
1059	1.520	2.720	97.747	81.780	81.729	4616949.462	9396939.442	233.242
1060	1.520	400.298	97.695	82.180	82.127	4616950.932	9396936.664	233.324
1061	1.520	398.032	97.733	82.580	82.528	4616952.243	9396934.014	233.288
1062	1.520	397.107	97.788	82.600	82.551	4616952.618	9396932.873	233.219
1063	1.520	395.952	98.482	82.630	82.607	4616953.088	9396931.450	232.319
1064	1.520	393.647	97.718	82.860	82.807	4616954.036	9396928.603	233.319
1065	1.520	397.490	97.740	118.620	118.546	4616986.894	9396943.880	234.559
1066	1.520	398.296	97.708	118.610	118.534	4616986.434	9396945.308	234.619
1067	1.520	399.930	97.656	118.250	118.171	4616985.127	9396948.074	234.702
1068	1.520	1.536	97.709	118.660	118.584	4616984.497	9396951.023	234.618
1069	1.520	2.387	97.782	118.770	118.699	4616984.036	9396952.544	234.486
1070	1.520	2.996	97.864	155.310	155.223	4617017.488	9396967.263	235.560
1071	1.520	2.094	98.109	155.230	155.162	4617018.240	9396965.196	234.960
1072	1.520	1.684	97.781	155.240	155.147	4617018.583	9396964.256	235.760
1073	1.520	400.945	97.699	155.250	155.149	4617019.215	9396962.571	235.960
1074	1.520	399.720	97.672	156.080	155.977	4617020.997	9396960.027	236.055
1075	1.520	398.592	99.303	156.100	156.092	4617021.984	9396957.442	232.060
1076	1.520	398.062	97.754	156.200	156.104	4617022.392	9396956.208	235.860

1077	1.520	397.451	97.999	156.250	156.174	4617022.903	9396954.797	235.260
1078	1.520	396.555	97.756	156.340	156.244	4617023.597	9396952.710	235.860
1079	1.520	400.565	97.716	194.830	194.706	4617056.753	9396975.086	237.340
1080	1.520	1.031	97.752	194.740	194.620	4617056.186	9396976.395	237.226

Станция: пт21(8) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт22(7)	4616385.930	9396750.290	213.303	19.5563	-0.0010
пт22(7)	4616385.930	9396750.290	213.303	19.5567	-0.0014
пт20(8)	4616873.535	9396909.196	230.211	19.5546	0.0007
пт20(8)	4616873.535	9396909.196	230.211	19.5536	0.0017
пт21(8)	4616647.019	9396837.338	220.995	19.5553	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт22(7)	1.520	200.931	101.812	275.340	275.221	0.004	-0.004	0.001
пт22(7)	1.520	200.931	101.812	275.340	275.221	0.005	-0.005	0.001
пт20(8)	1.520	400.002	97.572	237.810	237.630	0.011	0.001	0.003
пт20(8)	1.520	400.003	97.572	237.820	237.640	0.003	-0.005	0.003
1081	1.520	391.413	97.987	41.760	41.739	4616688.140	9396844.494	222.455
1082	1.520	394.159	97.681	41.710	41.683	4616687.738	9396846.248	222.654
1083	1.520	398.400	97.685	40.600	40.573	4616685.989	9396848.630	222.611
1084	1.520	3.434	97.816	38.420	38.398	4616682.940	9396850.905	222.453
1085	1.520	6.252	98.145	38.430	38.414	4616682.320	9396852.488	222.255
1086	1.520	335.070	113.460	8.050	7.871	4616652.974	9396832.191	219.445
1087	1.520	345.293	99.915	7.450	7.450	4616653.362	9396833.430	221.145
1088	1.520	359.956	99.047	7.240	7.239	4616653.887	9396835.048	221.243
1089	1.520	383.466	99.288	5.910	5.910	4616652.922	9396837.619	221.201
1090	1.520	16.743	99.354	5.670	5.670	4616651.792	9396840.399	221.192
1091	1.520	36.464	102.579	5.930	5.925	4616650.794	9396841.905	220.895
1092	1.520	48.249	111.350	6.430	6.328	4616650.085	9396842.874	219.994
1093	1.520	214.432	102.792	20.400	20.381	4616629.475	9396826.967	220.240
1094	1.520	214.396	102.792	20.380	20.361	4616629.486	9396826.987	220.241
1095	1.520	221.252	102.766	20.490	20.471	4616630.612	9396825.097	220.245
1096	1.520	205.673	102.751	20.030	20.011	4616628.558	9396829.614	220.270
1097	1.520	195.803	102.978	19.890	19.868	4616627.726	9396832.591	220.205
1098	1.520	191.036	103.146	20.040	20.016	4616627.280	9396834.024	220.145
1099	1.520	214.676	104.937	44.020	43.888	4616609.324	9396814.860	217.725
1100	1.520	209.745	102.933	43.650	43.604	4616607.952	9396817.971	219.125
1101	1.520	207.408	102.643	43.600	43.563	4616607.306	9396819.434	219.325
1102	1.520	202.980	102.590	43.980	43.944	4616605.800	9396822.106	219.346
1103	1.520	198.381	102.663	44.010	43.972	4616604.781	9396825.113	219.295
1104	1.520	196.499	102.761	44.050	44.009	4616604.402	9396826.357	219.225
1105	1.520	191.622	106.879	44.600	44.340	4616603.360	9396829.594	216.325
1106	1.520	197.876	102.684	69.040	68.979	4616580.610	9396818.686	218.225
1107	1.520	199.354	102.519	69.010	68.956	4616581.082	9396817.157	218.405
1108	1.520	202.208	102.509	68.880	68.827	4616582.175	9396814.265	218.421
1109	1.520	204.781	102.492	68.510	68.458	4616583.502	9396811.801	218.454
1110	1.520	206.454	102.675	68.550	68.490	4616584.166	9396810.128	218.255
1111	1.520	204.421	102.375	100.810	100.740	4616553.339	9396800.288	217.376
1112	1.520	203.474	102.388	100.780	100.710	4616552.827	9396801.696	217.356
1113	1.520	201.736	102.353	100.990	100.922	4616551.689	9396804.211	217.404
1114	1.520	199.842	102.379	100.660	100.590	4616551.062	9396807.161	217.375
1115	1.520	198.893	102.365	100.700	100.631	4616550.584	9396808.584	217.396
1116	1.520	204.448	103.121	130.190	130.034	4616526.119	9396789.463	214.756
1117	1.520	203.567	102.340	130.080	129.993	4616525.507	9396791.155	216.356
1118	1.520	202.735	102.350	130.070	129.982	4616524.923	9396792.752	216.336
1119	1.520	201.356	102.326	130.120	130.034	4616523.937	9396795.390	216.382
1120	1.520	200.045	102.345	130.090	130.003	4616523.129	9396797.942	216.346
1121	1.520	199.458	102.394	130.090	129.999	4616522.775	9396799.088	216.246
1122	1.520	198.234	103.320	130.260	130.084	4616521.981	9396801.459	214.346
1123	1.520	199.415	102.248	158.320	158.222	4616495.770	9396790.885	215.547
1124	1.520	200.140	102.248	158.320	158.222	4616496.308	9396789.167	215.547
1125	1.520	201.335	102.231	158.480	158.384	4616497.087	9396786.293	215.583
1126	1.520	202.600	102.243	160.400	160.301	4616496.327	9396782.671	215.486
1127	1.520	203.274	102.270	160.440	160.339	4616496.880	9396781.065	215.417
1128	1.520	203.672	102.547	160.510	160.382	4616497.193	9396780.112	214.717
1129	1.520	204.386	102.388	160.560	160.448	4616497.784	9396778.411	215.116

1130	1.520	199.393	102.275	180.550	180.436	4616474.516	9396784.424	214.687
1131	1.520	198.687	102.521	180.620	180.479	4616473.899	9396786.326	213.987
1132	1.520	200.204	102.169	180.530	180.426	4616475.214	9396782.232	214.987
1133	1.520	201.314	102.156	180.580	180.477	4616476.152	9396779.230	215.022
1134	1.520	202.408	102.174	181.290	181.185	4616476.510	9396776.061	214.947
1135	1.520	203.112	102.265	181.320	181.206	4616477.179	9396774.172	214.687
1136	1.520	203.790	102.101	199.710	199.602	4616460.687	9396765.773	214.548
1137	1.520	203.216	102.356	199.700	199.564	4616460.085	9396767.469	213.748
1138	1.520	202.897	102.134	199.640	199.529	4616459.771	9396768.419	214.447
1139	1.520	202.354	102.118	199.600	199.491	4616459.226	9396770.030	214.498
1140	1.520	201.309	102.090	199.810	199.704	4616457.944	9396773.055	214.580
1141	1.520	200.423	102.084	199.500	199.394	4616457.362	9396775.787	214.609
1142	1.520	199.847	102.116	199.510	199.401	4616456.808	9396777.502	214.507

Станция: пт22(7) Ih = 1.596

Име(клас)	X	Y	H	O	V
пт23(7)	4616221.778	9396586.547	205.466	249.9205	-0.0029
пт23(7)	4616221.778	9396586.547	205.466	249.9179	-0.0003
пт21(8)	4616647.019	9396837.338	220.995	249.9158	0.0018
пт21(8)	4616647.019	9396837.338	220.995	249.9164	0.0013
пт22(7)	4616385.930	9396750.290	213.303	249.9176	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт23(7)	1.520	400.000	102.177	231.990	231.848	0.002	-0.014	0.016
пт23(7)	1.520	400.003	102.177	232.000	231.858	0.002	-0.001	0.016
пт21(8)	1.520	170.572	98.240	275.330	275.217	0.003	-0.007	0.001
пт21(8)	1.520	170.571	98.240	275.330	275.217	0.002	-0.004	0.001
1143	1.520	394.431	102.089	141.400	141.325	4616277.532	9396659.612	208.741
1144	1.520	395.782	102.630	141.410	141.290	4616279.507	9396657.355	207.541
1145	1.520	396.236	102.360	141.400	141.304	4616280.161	9396656.590	208.139
1146	1.520	396.829	102.320	141.360	141.267	4616281.066	9396655.633	208.229
1147	1.520	398.123	102.405	141.170	141.070	4616283.156	9396653.655	208.048
1148	1.520	399.474	102.419	141.230	141.129	4616285.187	9396651.456	208.016
1149	1.520	400.021	102.448	141.260	141.156	4616286.021	9396650.574	207.950
1150	1.520	400.697	102.807	141.330	141.193	4616287.060	9396649.492	207.150
1151	1.520	1.824	101.996	141.290	141.221	4616288.841	9396647.737	208.950
1152	1.520	400.585	102.510	121.330	121.236	4616300.883	9396663.889	208.598
1153	1.520	399.891	102.468	121.450	121.359	4616299.859	9396664.734	208.673
1154	1.520	398.357	102.467	121.390	121.300	4616297.865	9396666.875	208.678
1155	1.520	396.758	102.356	121.300	121.218	4616295.859	9396669.167	208.893
1156	1.520	395.974	102.379	121.240	121.156	4616294.912	9396670.324	208.850
1157	1.520	394.043	101.955	97.030	96.985	4616311.163	9396688.516	210.400
1158	1.520	394.830	103.006	97.020	96.912	4616311.988	9396687.643	208.800
1159	1.520	396.013	102.479	96.980	96.907	4616313.169	9396686.284	209.604
1160	1.520	396.994	102.414	97.010	96.941	4616314.139	9396685.147	209.702
1161	1.520	398.744	102.514	96.800	96.725	4616316.112	9396683.349	209.557
1162	1.520	400.897	102.548	97.030	96.953	4616318.256	9396680.863	209.498
1163	1.520	1.892	102.612	97.030	96.949	4616319.353	9396679.816	209.400
1164	1.520	2.353	102.941	97.020	96.917	4616319.886	9396679.360	208.900
1165	1.520	2.887	101.889	97.060	97.018	4616320.416	9396678.734	210.500
1166	1.520	3.754	102.893	76.400	76.322	4616335.163	9396693.301	209.909
1167	1.520	2.420	102.727	76.370	76.300	4616333.994	9396694.394	210.110
1168	1.520	399.841	102.695	75.990	75.922	4616332.042	9396696.809	210.163
1169	1.520	397.538	102.628	75.580	75.516	4616330.441	9396699.068	210.260
1170	1.520	396.276	102.696	75.560	75.493	4616329.454	9396700.194	210.181
1171	1.520	392.349	101.902	55.900	55.875	4616341.923	9396715.859	211.709
1172	1.520	394.928	103.958	55.850	55.742	4616343.455	9396714.192	209.909
1173	1.520	396.993	103.054	55.770	55.706	4616344.675	9396712.857	210.705
1174	1.520	398.816	102.939	56.010	55.951	4616345.588	9396711.522	210.794
1175	1.520	1.915	102.955	56.400	56.340	4616347.255	9396709.322	210.762
1176	1.520	5.478	102.970	57.050	56.988	4616349.189	9396706.726	210.719
1177	1.520	6.931	103.082	57.040	56.974	4616350.202	9396705.911	210.619
1178	1.520	8.045	103.968	57.160	57.049	4616350.938	9396705.233	209.819
1179	1.520	11.375	101.844	57.320	57.296	4616353.200	9396703.262	211.719
1180	1.520	11.794	103.391	42.470	42.410	4616361.934	9396715.322	211.118
1181	1.520	9.775	103.324	42.540	42.482	4616360.794	9396716.042	211.159
1182	1.520	5.357	103.352	41.460	41.403	4616359.177	9396718.692	211.197

1183	1.520	400.967	103.299	41.000	40.945	4616357.382	9396720.938	211.255
1184	1.520	398.321	103.605	40.990	40.925	4616356.203	9396722.164	211.059
1185	1.520	394.526	102.394	26.060	26.042	4616365.981	9396733.551	212.399
1186	1.520	400.542	105.391	25.770	25.678	4616367.905	9396732.002	211.199
1187	1.520	2.860	104.165	25.690	25.635	4616368.611	9396731.390	211.699
1188	1.520	6.844	103.930	25.650	25.601	4616369.848	9396730.370	211.797
1189	1.520	14.179	103.958	25.870	25.820	4616372.128	9396728.468	211.772
1190	1.520	22.048	103.967	26.170	26.119	4616374.796	9396726.662	211.749
1191	1.520	25.684	103.949	26.290	26.240	4616376.118	9396725.954	211.749
1192	1.520	28.556	105.122	26.500	26.414	4616377.167	9396725.371	211.249
1193	1.520	32.786	102.449	26.780	26.760	4616378.749	9396724.511	212.349
1194	1.520	58.393	104.537	16.570	16.528	4616388.081	9396733.903	212.199
1195	1.520	58.530	104.570	15.020	14.981	4616387.912	9396735.440	212.302
1196	1.520	51.582	105.274	12.250	12.208	4616386.218	9396738.085	212.365
1197	1.520	43.976	106.057	9.500	9.457	4616385.024	9396740.876	212.477
1198	1.520	42.588	107.730	7.860	7.802	4616385.014	9396742.542	212.427
1199	1.520	167.863	99.852	17.160	17.160	4616402.425	9396755.021	213.419
1200	1.520	161.986	103.623	16.880	16.853	4616402.489	9396753.423	212.419
1201	1.520	159.732	101.745	16.780	16.774	4616402.511	9396752.823	212.919
1202	1.520	152.841	101.391	16.680	16.676	4616402.590	9396751.012	213.015
1203	1.520	144.930	101.520	18.290	18.285	4616404.155	9396748.812	212.942
1204	1.520	135.062	101.432	19.680	19.675	4616405.060	9396745.691	212.936
1205	1.520	129.576	101.740	19.760	19.753	4616404.667	9396744.037	212.839
1206	1.520	127.017	103.974	19.880	19.841	4616404.483	9396743.258	212.139
1207	1.520	119.215	98.244	20.300	20.292	4616403.883	9396740.832	213.939
1208	1.520	152.374	100.078	33.720	33.720	4616419.628	9396751.503	213.338
1209	1.520	154.665	100.032	33.220	33.220	4616419.064	9396752.679	213.362
1210	1.520	160.293	100.006	31.940	31.940	4616417.460	9396755.391	213.376
1211	1.520	165.403	99.987	30.290	30.290	4616415.347	9396757.509	213.385
1212	1.520	168.494	100.280	29.440	29.440	4616414.147	9396758.686	213.250
1213	1.520	176.792	99.255	48.740	48.737	4616430.440	9396770.143	213.949
1214	1.520	170.250	99.249	48.470	48.467	4616431.985	9396765.388	213.951
1215	1.520	166.490	99.409	48.450	48.448	4616432.778	9396762.639	213.829
1216	1.520	162.614	99.481	48.730	48.729	4616433.718	9396759.820	213.777
1217	1.520	160.842	99.610	48.960	48.959	4616434.192	9396758.525	213.679
1218	1.520	159.541	100.911	48.940	48.935	4616434.326	9396757.534	212.679
1219	1.520	156.942	98.311	49.020	49.003	4616434.649	9396755.560	214.679

Станция: пт23(7) Ih = 1.620

Име(клас)	X	Y	H	O	V
пт22(7)	4616385.930	9396750.290	213.303	49.9206	-0.0029
пт22(7)	4616385.930	9396750.290	213.303	49.9150	0.0027
пт24(8)	4616183.044	9396426.798	203.145	49.9176	0.0002
пт24(8)	4616183.044	9396426.798	203.145	49.9178	-0.0000
пт23(7)	4616221.778	9396586.547	205.466	49.9177	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт22(7)	1.520	400.000	97.879	231.990	231.855	-0.006	0.009	0.004
пт22(7)	1.520	400.006	97.879	231.990	231.855	0.008	-0.005	0.004
пт24(8)	1.520	234.939	100.940	164.410	164.388	0.002	0.010	0.005
пт24(8)	1.520	234.939	100.940	164.410	164.388	0.003	0.010	0.005
1220	0.000	12.031	100.052	18.120	18.120	4616231.975	9396601.526	207.071
1221	0.000	9.927	109.751	7.000	6.918	4616225.858	9396592.134	206.018
1222	0.000	393.627	99.105	55.270	55.265	4616264.611	9396621.468	207.863
1223	0.300	340.393	103.629	20.560	20.527	4616242.067	9396583.435	205.615
1224	0.300	214.771	116.868	6.800	6.563	4616218.322	9396580.968	205.005
1225	1.520	7.427	98.193	74.270	74.241	4616267.882	9396644.737	207.674
1226	1.520	6.349	98.190	74.240	74.210	4616268.842	9396643.925	207.677
1227	1.520	3.981	98.282	73.830	73.804	4616270.674	9396641.830	207.559
1228	1.520	1.237	98.392	73.190	73.167	4616272.568	9396639.214	207.415
1229	1.520	400.152	98.417	73.030	73.008	4616273.346	9396638.228	207.382
1230	1.520	397.724	99.416	57.730	57.728	4616264.082	9396625.827	206.096
1231	1.520	398.827	98.528	57.740	57.725	4616263.393	9396626.552	206.901
1232	1.520	400.181	98.437	57.740	57.723	4616262.531	9396627.426	206.984
1233	1.520	3.440	98.363	56.920	56.902	4616259.836	9396628.848	207.030
1234	1.520	6.633	98.238	56.600	56.579	4616257.464	9396630.452	207.133
1235	1.520	8.379	98.328	56.750	56.731	4616256.340	9396631.534	207.056

1236	1.520	9.499	99.227	56.790	56.786	4616255.575	9396632.180	206.256
1237	1.520	6.248	98.435	39.670	39.658	4616246.977	9396617.170	206.541
1238	1.520	4.179	98.365	39.940	39.927	4616248.137	9396616.537	206.592
1239	1.520	399.349	98.536	40.430	40.420	4616250.686	9396614.797	206.496
1240	1.520	394.674	98.680	40.730	40.721	4616252.912	9396612.794	206.410
1241	1.520	391.849	98.906	40.320	40.314	4616253.723	9396611.139	206.259
1242	1.520	366.617	98.496	26.250	26.243	4616247.141	9396593.286	206.186
1243	1.520	373.937	100.938	25.780	25.777	4616245.767	9396595.981	205.186
1244	1.520	376.889	99.702	25.630	25.630	4616245.169	9396597.023	205.686
1245	1.520	381.376	99.449	25.590	25.589	4616244.337	9396598.625	205.788
1246	1.520	387.724	99.210	24.220	24.218	4616241.885	9396600.047	205.867
1247	1.520	394.412	98.890	22.510	22.507	4616239.045	9396600.983	205.959
1248	1.520	1.217	101.498	22.100	22.094	4616237.120	9396602.446	205.046
1249	1.520	6.939	98.056	22.270	22.260	4616235.735	9396603.888	206.246
1250	1.520	398.335	99.195	22.030	22.028	4616237.776	9396601.690	205.844
1251	1.520	349.865	102.377	7.840	7.835	4616229.613	9396586.520	205.273
1252	1.520	347.288	101.366	9.120	9.118	4616230.887	9396586.147	205.370
1253	1.520	341.555	101.635	11.660	11.656	4616233.330	9396584.990	205.267
1254	1.520	339.897	101.568	14.890	14.886	4616236.473	9396584.176	205.199
1255	1.520	339.896	101.771	16.900	16.894	4616238.456	9396583.855	205.096
1256	1.520	290.085	100.750	21.230	21.229	4616234.257	9396569.373	205.316
1257	1.520	282.694	105.081	20.690	20.624	4616231.887	9396568.570	203.916
1258	1.520	278.710	102.647	20.450	20.432	4616230.659	9396568.146	204.716
1259	1.520	271.841	102.650	20.310	20.293	4616228.579	9396567.428	204.721
1260	1.520	263.031	102.616	18.570	18.554	4616225.526	9396568.375	204.803
2161	1.520	253.418	102.376	17.310	17.298	4616222.684	9396569.273	204.920
2162	1.520	246.018	103.109	17.470	17.449	4616220.665	9396569.133	204.713
2163	1.520	241.553	104.034	17.300	17.265	4616219.472	9396569.436	204.470
2164	1.520	212.620	103.231	20.690	20.663	4616210.308	9396569.359	204.516
2165	1.520	217.344	102.834	25.540	25.515	4616209.228	9396564.332	204.429
2166	1.520	235.066	103.524	26.890	26.849	4616215.503	9396560.442	204.078
2167	1.520	238.595	102.089	28.350	28.335	4616216.693	9396558.672	204.636
2168	1.520	242.484	101.843	27.420	27.409	4616218.514	9396559.333	204.773
2169	1.520	248.585	101.917	28.060	28.047	4616221.118	9396558.507	204.721
2170	1.520	254.824	102.113	29.250	29.234	4616223.953	9396557.394	204.596
2171	1.520	257.625	102.390	29.710	29.689	4616225.287	9396557.066	204.451
2172	1.520	248.865	103.574	49.370	49.293	4616220.836	9396537.263	202.796
2173	1.520	245.250	101.764	49.100	49.081	4616218.056	9396537.607	204.206
2174	1.520	242.397	101.513	49.010	48.996	4616215.877	9396537.907	204.402
2175	1.520	238.840	101.454	48.530	48.518	4616213.255	9396538.784	204.458
2176	1.520	235.191	101.395	48.530	48.519	4616210.532	9396539.350	204.503
2177	1.520	233.179	101.441	48.680	48.668	4616209.007	9396539.585	204.464
2178	1.520	226.658	104.678	49.040	48.908	4616204.186	9396540.913	201.966
2179	1.520	231.669	101.375	66.230	66.215	4616202.892	9396523.083	204.136
2180	1.520	233.400	101.281	66.190	66.177	4616204.634	9396522.629	204.235
2181	1.520	236.145	101.338	66.380	66.366	4616207.364	9396521.765	204.171
2182	1.520	238.689	101.347	68.050	68.035	4616209.666	9396519.599	204.126
2183	1.520	239.343	101.347	68.050	68.035	4616210.356	9396519.478	204.126
2184	1.520	240.828	103.404	89.250	89.123	4616208.868	9396498.364	200.797
2185	1.520	237.972	101.267	88.920	88.903	4616204.968	9396499.248	203.796
2186	1.520	236.897	101.304	88.880	88.862	4616203.505	9396499.584	203.747
2187	1.520	234.507	101.258	88.980	88.963	4616200.229	9396500.233	203.808
2188	1.520	232.508	101.187	89.030	89.015	4616197.516	9396500.902	203.907
2189	1.520	231.294	101.294	89.090	89.072	4616195.871	9396501.326	203.756
2190	1.520	227.874	103.352	89.480	89.357	4616191.235	9396502.573	200.857

Станция: пт24(8) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт23(7)	4616221.778	9396586.547	205.466	84.8564	-0.0012
пт23(7)	4616221.778	9396586.547	205.466	84.8526	0.0026
пт25(8)	4616180.801	9396296.874	202.558	84.8572	-0.0019
пт25(8)	4616180.801	9396296.874	202.558	84.8550	0.0003
пт24(8)	4616183.044	9396426.798	203.145	84.8553	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт23(7)	1.520	400.000	99.159	164.400	164.381	-0.004	-0.003	0.007
пт23(7)	1.520	400.004	99.159	164.400	164.381	0.005	-0.005	0.007

пт25(8)	1.520	214.044	100.360	129.950	129.945	0.004	0.001	0.007
пт25(8)	1.520	214.046	100.360	129.960	129.955	-0.000	0.011	0.007
2191	1.520	206.030	101.404	67.550	67.534	4616173.409	9396359.955	201.795
2192	1.520	207.915	100.651	67.440	67.437	4616175.402	9396359.796	202.595
2193	1.520	209.825	100.468	67.400	67.399	4616177.419	9396359.635	202.790
2194	1.520	212.499	100.494	66.750	66.748	4616180.271	9396360.107	202.768
2195	1.520	215.601	100.555	66.500	66.498	4616183.520	9396360.302	202.705
2196	1.520	217.801	101.129	66.570	66.560	4616185.821	9396360.296	202.105
2197	1.520	217.801	101.129	66.570	66.560	4616185.820	9396360.296	202.105
2198	1.520	219.708	100.936	66.680	66.673	4616187.819	9396360.296	202.305
2199	1.520	216.845	100.746	66.520	66.516	4616184.820	9396360.306	202.505
2200	1.520	217.966	100.795	46.460	46.457	4616185.102	9396380.387	202.705
2201	1.520	215.773	100.654	46.420	46.418	4616183.502	9396380.382	202.809
2202	1.520	212.077	100.571	46.430	46.428	4616180.808	9396380.424	202.869
2203	1.520	207.981	100.533	45.810	45.809	4616177.900	9396381.279	202.901
2204	1.520	205.757	100.667	45.820	45.818	4616176.313	9396381.478	202.805
2205	1.520	194.211	105.000	26.640	26.558	4616174.468	9396401.663	201.195
2206	1.520	201.389	100.951	26.120	26.117	4616177.445	9396401.288	202.895
2207	1.520	205.780	100.710	26.000	25.999	4616179.234	9396401.080	202.995
2208	1.520	212.388	100.840	25.550	25.548	4616181.938	9396401.274	202.948
2209	1.520	220.445	101.008	25.620	25.617	4616185.175	9396401.270	202.879
2210	1.520	224.910	101.512	25.690	25.683	4616186.968	9396401.417	202.675
2211	1.520	229.094	104.697	25.910	25.840	4616188.661	9396401.576	201.375
2212	1.520	189.773	103.117	8.710	8.700	4616179.668	9396418.780	202.859
2213	1.520	199.558	101.438	8.490	8.488	4616180.987	9396418.563	203.093
2214	1.520	222.823	101.572	8.330	8.328	4616184.046	9396418.531	203.079
2215	1.520	250.151	102.610	9.760	9.752	4616188.141	9396418.484	202.885
2216	1.520	240.431	101.995	9.600	9.595	4616186.756	9396417.950	202.984
2217	1.520	29.362	102.302	7.360	7.355	4616181.415	9396433.971	203.019
2218	1.520	17.415	100.892	6.660	6.659	4616182.807	9396433.453	203.192
2219	1.520	390.405	100.522	7.200	7.200	4616185.772	9396433.461	203.226
2220	1.520	367.346	101.480	7.850	7.848	4616188.399	9396432.536	203.102
2221	1.520	360.669	102.177	8.960	8.955	4616189.806	9396432.670	202.979
2222	1.520	391.280	100.467	25.880	25.879	4616192.520	9396450.880	203.095
2223	1.520	393.348	100.248	25.260	25.260	4616191.525	9396450.592	203.186
2224	1.520	400.761	99.862	25.610	25.610	4616188.782	9396451.757	203.341
2225	1.520	7.914	99.883	26.120	26.120	4616186.005	9396452.750	203.333
2226	1.520	12.780	100.122	26.190	26.190	4616184.017	9396452.970	203.235
2227	1.520	22.293	104.626	26.860	26.789	4616180.043	9396453.419	201.335
2228	1.520	8.199	99.977	39.490	39.490	4616187.344	9396466.054	203.299
2229	1.520	6.342	99.833	39.480	39.480	4616188.486	9396465.901	203.389
2230	1.520	1.560	99.813	39.790	39.790	4616191.471	9396465.686	203.402
2231	1.520	397.123	99.968	39.910	39.910	4616194.192	9396465.120	203.305
2232	1.520	394.252	100.255	39.950	39.950	4616195.921	9396464.616	203.125
2233	1.520	391.081	102.792	40.140	40.102	4616197.844	9396464.069	201.525
2234	1.520	6.885	99.940	52.950	52.950	4616189.895	9396479.303	203.335
2235	1.520	4.962	99.699	52.910	52.910	4616191.472	9396479.032	203.536
2236	1.520	2.007	99.694	53.460	53.460	4616193.999	9396479.123	203.542
2237	1.520	398.037	99.798	53.650	53.650	4616197.289	9396478.522	203.455
2238	1.520	395.902	99.976	53.700	53.700	4616199.030	9396478.064	203.305

Станция: пт25(8) Ih = 1.657

Име(клас)	X	Y	H	O	V
пт26(7)	4616185.796	9396181.931	201.941	98.8974	0.0002
пт26(7)	4616185.796	9396181.931	201.941	98.8978	-0.0002
пт24(8)	4616183.044	9396426.798	203.145	98.8979	-0.0003
пт24(8)	4616183.044	9396426.798	203.145	98.8973	0.0003
пт25(8)	4616180.801	9396296.874	202.558	98.8976	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт26(7)	1.520	203.867	100.418	115.070	115.065	-0.001	0.013	0.002
пт26(7)	1.520	203.867	100.418	115.060	115.055	0.000	0.003	0.002
пт24(8)	1.520	400.003	99.784	129.960	129.956	-0.001	-0.012	0.008
пт24(8)	1.520	400.004	99.784	129.950	129.946	0.000	-0.002	0.008
2238	1.520	8.009	100.277	43.610	43.610	4616176.080	9396340.227	202.505
2239	1.520	5.819	99.987	43.580	43.580	4616177.576	9396340.335	202.704
2240	1.520	1.480	100.083	43.610	43.610	4616180.543	9396340.483	202.638

2241	1.520	397.494	100.189	43.330	43.330	4616183.256	9396340.134	202.566
2242	1.520	395.143	100.338	43.340	43.340	4616184.852	9396340.024	202.465
2243	1.520	390.771	100.508	30.080	30.079	4616185.662	9396326.558	202.455
2244	1.520	394.505	100.287	29.690	29.690	4616183.873	9396326.404	202.561
2245	1.520	400.573	100.003	28.900	28.900	4616181.042	9396325.773	202.693
2246	1.520	7.036	99.989	28.300	28.300	4616178.168	9396325.051	202.699
2247	1.520	10.631	100.449	28.350	28.349	4616176.574	9396324.906	202.495
2248	1.520	12.556	100.303	9.790	9.790	4616179.050	9396306.506	202.648
2249	1.520	12.475	100.329	9.760	9.760	4616179.067	9396306.478	202.644
2250	1.520	37.214	106.311	10.610	10.558	4616175.129	9396305.778	201.645
2251	1.520	25.329	100.957	9.970	9.969	4616177.099	9396306.130	202.545
2252	1.520	393.119	100.314	9.770	9.770	4616182.023	9396306.567	202.646
2253	1.520	367.862	100.498	8.700	8.700	4616185.140	9396304.414	202.626
2254	1.520	352.077	102.626	8.970	8.962	4616187.041	9396303.308	202.325
2255	1.520	340.537	100.464	9.610	9.610	4616188.626	9396302.453	202.625
2256	1.520	354.609	100.801	6.740	6.740	4616185.297	9396301.895	202.610
2257	1.520	296.523	101.092	8.100	8.099	4616188.879	9396296.292	202.556
2258	1.520	242.210	101.071	9.130	9.129	4616186.295	9396289.583	202.541
2259	1.520	220.504	101.469	8.090	8.088	4616183.228	9396289.159	202.508
2260	1.520	198.185	101.930	8.370	8.366	4616180.418	9396288.516	202.441
2261	1.520	230.210	100.722	21.440	21.439	4616190.266	9396277.637	202.451
2262	1.520	220.222	100.624	22.090	22.089	4616187.336	9396275.773	202.478
2263	1.520	222.513	102.079	32.470	32.453	4616191.511	9396266.239	201.635
2264	1.520	220.555	100.511	32.370	32.369	4616190.539	9396266.004	202.435
2265	1.520	215.634	100.515	32.250	32.249	4616188.099	9396265.461	202.434
2266	1.520	209.467	100.589	31.450	31.449	4616184.921	9396265.696	202.404
2267	1.520	203.523	100.945	31.580	31.577	4616182.001	9396265.320	202.226
2268	1.520	200.501	101.148	31.620	31.615	4616180.503	9396265.260	202.125
2269	1.520	196.495	102.143	31.790	31.772	4616178.504	9396265.185	201.625
2270	1.520	201.273	100.871	51.180	51.176	4616180.939	9396245.699	201.995
2271	1.520	204.011	100.621	51.120	51.118	4616183.136	9396245.809	202.196
2272	1.520	207.595	100.452	50.840	50.839	4616185.977	9396246.299	202.333
2273	1.520	211.536	100.313	50.650	50.650	4616189.065	9396246.903	202.446
2274	1.520	213.493	100.445	50.810	50.809	4616190.628	9396247.024	202.340

Станция: пт26(7) Ih = 1.672

Име(клас)	X	Y	H	O	V
пт27(7)	4616148.981	9396045.960	201.089	102.7605	0.0009
пт27(7)	4616148.981	9396045.960	201.089	102.7601	0.0013
пт25(8)	4616180.801	9396296.874	202.558	102.7646	-0.0033
пт25(8)	4616180.801	9396296.874	202.558	102.7606	0.0007
пт26(7)	4616185.796	9396181.931	201.941	102.7614	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт27(7)	1.520	180.406	100.455	140.870	140.863	-0.003	-0.003	0.002
пт27(7)	1.520	180.407	100.455	140.870	140.863	-0.003	-0.003	0.002
пт25(8)	1.520	400.000	99.745	115.060	115.056	-0.006	-0.005	0.003
пт25(8)	1.520	400.004	99.745	115.060	115.056	0.001	-0.005	0.003
2275	0.100	364.877	106.277	14.180	14.111	4616192.664	9396194.258	202.117
2276	0.100	301.908	106.250	8.420	8.380	4616194.153	9396182.545	202.688
2277	0.200	204.255	102.033	26.450	26.437	4616188.704	9396155.655	202.569
2278	1.520	180.113	100.402	95.540	95.539	4616160.404	9396089.829	201.491
2279	1.520	176.784	99.734	95.670	95.670	4616155.584	9396091.157	202.494
2280	1.520	178.447	100.933	95.570	95.560	4616157.996	9396090.504	200.694
2281	1.520	179.218	100.494	95.400	95.398	4616159.150	9396090.330	201.353
2282	1.520	182.051	100.367	95.610	95.609	4616163.203	9396089.030	201.543
2283	1.520	184.104	100.319	96.010	96.009	4616166.127	9396087.958	201.613
2284	1.520	185.058	100.286	95.550	95.550	4616167.625	9396088.125	201.665
2285	1.520	186.257	100.819	95.570	95.563	4616169.393	9396087.787	200.864
2286	1.520	187.722	99.620	95.610	95.609	4616171.557	9396087.388	202.664
2287	1.520	185.058	100.286	95.500	95.500	4616167.635	9396088.174	201.665
2288	1.520	186.659	100.304	79.880	79.880	4616172.582	9396103.152	201.712
2289	1.520	185.460	100.253	79.700	79.700	4616171.134	9396103.591	201.777
2290	1.520	183.118	100.330	79.430	79.429	4616168.322	9396104.448	201.682
2291	1.520	180.715	100.394	79.070	79.069	4616165.503	9396105.510	201.604
2292	1.520	179.499	100.527	78.800	78.798	4616164.122	9396106.173	201.441
2293	1.520	182.583	100.131	63.090	63.090	4616171.400	9396120.505	201.963

2294	1.520	177.837	101.445	63.020	63.004	4616166.891	9396121.830	200.663
2295	1.520	179.353	100.639	62.980	62.977	4616168.334	9396121.423	201.461
2296	1.520	180.923	100.430	62.820	62.819	4616169.872	9396121.164	201.669
2297	1.520	183.704	100.374	62.520	62.519	4616172.604	9396120.819	201.726
2298	1.520	186.900	100.265	62.510	62.510	4616175.689	9396120.244	201.833
2299	1.520	188.529	100.265	62.500	62.500	4616177.272	9396120.015	201.833
2300	1.520	189.549	100.876	62.490	62.484	4616178.267	9396119.902	201.233
2301	1.520	191.481	99.451	62.580	62.578	4616180.144	9396119.609	202.633
2302	1.520	190.536	100.343	46.460	46.460	4616180.914	9396135.729	201.843
2303	1.520	188.481	100.348	46.420	46.420	4616179.430	9396135.950	201.840
2304	1.520	184.277	100.516	46.220	46.219	4616176.450	9396136.667	201.719
2305	1.520	179.952	100.644	44.720	44.718	4616173.802	9396138.852	201.641
2306	1.520	177.388	100.926	44.710	44.706	4616172.081	9396139.381	201.443
2307	1.520	165.801	100.223	28.580	28.580	4616172.249	9396156.765	201.993
2308	1.520	169.137	102.908	28.470	28.440	4616173.645	9396156.217	200.793
2309	1.520	173.619	101.127	28.360	28.356	4616175.515	9396155.505	201.591
2310	1.520	176.713	100.777	27.860	27.858	4616176.969	9396155.508	201.753
2311	1.520	182.422	100.774	26.760	26.758	4616179.625	9396155.894	201.768
2312	1.520	190.601	100.487	26.170	26.169	4616183.073	9396155.904	201.893
2313	1.520	194.240	100.534	26.250	26.249	4616184.560	9396155.711	201.873
2314	1.520	195.448	101.985	26.300	26.287	4616185.057	9396155.654	201.273
2315	1.520	201.412	98.135	26.640	26.629	4616187.540	9396155.359	202.873
2316	1.520	203.318	101.056	8.950	8.949	4616186.649	9396173.023	201.945
2317	1.520	193.686	101.265	9.260	9.258	4616185.280	9396172.687	201.909
2318	1.520	173.341	101.391	9.480	9.478	4616182.321	9396173.113	201.886
2319	1.520	155.526	101.575	9.930	9.927	4616179.747	9396174.060	201.847
2320	1.520	142.861	102.829	10.130	10.120	4616178.165	9396175.284	201.643
2321	1.520	65.100	102.804	10.220	10.210	4616176.859	9396186.869	201.643
2322	1.520	53.343	108.474	9.420	9.337	4616178.592	9396187.871	200.843
2323	1.520	46.695	102.460	9.060	9.053	4616179.449	9396188.387	201.743
2324	1.520	32.563	101.786	8.830	8.827	4616181.146	9396189.433	201.845
2325	1.520	11.679	101.755	7.420	7.417	4616184.128	9396189.158	201.889
2326	1.520	384.286	101.019	7.390	7.389	4616187.289	9396189.168	201.975
2327	1.520	370.717	101.569	8.080	8.078	4616189.065	9396189.318	201.894
2328	1.520	363.142	104.517	8.440	8.419	4616190.093	9396189.171	201.495
2329	1.520	374.286	99.682	28.630	28.630	4616195.896	9396208.720	202.236
2330	1.520	380.140	99.981	31.960	31.960	4616194.277	9396212.745	202.103
2331	1.520	389.441	100.020	21.340	21.340	4616188.403	9396203.111	202.086
2332	1.520	390.402	99.898	26.120	26.120	4616188.596	9396207.901	202.135
2333	1.520	398.068	100.064	26.170	26.170	4616185.455	9396208.099	202.067
2334	1.520	4.384	100.228	26.520	26.520	4616182.826	9396208.284	201.998
2335	1.520	8.220	100.479	26.560	26.559	4616181.237	9396208.096	201.893
2336	1.520	2.524	100.097	45.400	45.400	4616182.031	9396227.175	202.024
2337	1.520	400.408	99.899	45.170	45.170	4616183.549	9396227.045	202.165
2338	1.520	396.753	99.688	45.320	45.320	4616186.142	9396227.249	202.315
2339	1.520	392.375	99.579	45.370	45.369	4616189.259	9396227.168	202.393
2340	1.520	390.133	99.622	45.330	45.329	4616190.845	9396226.978	202.362
2341	1.520	388.727	101.026	45.300	45.294	4616191.834	9396226.821	201.363
2342	1.520	393.241	99.635	57.600	57.599	4616189.411	9396239.417	202.423
2343	1.520	396.795	99.780	57.480	57.480	4616186.197	9396239.410	202.292
2344	1.520	399.943	99.876	57.620	57.620	4616183.349	9396239.499	202.206

Станция: пт27(7) Ih = 1.640

Име(клас)	X	Y	H	O	V
пт26(7)	4616185.796	9396181.931	201.941	83.1667	-0.0041
пт26(7)	4616185.796	9396181.931	201.941	83.1643	-0.0017
пт28(8)	4616077.569	9395925.149	199.351	83.1605	0.0022
пт28(8)	4616077.569	9395925.149	199.351	83.1591	0.0036
пт27(7)	4616148.981	9396045.960	201.089	83.1627	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт26(7)	1.520	400.000	99.671	140.870	140.865	-0.008	0.005	0.002
пт26(7)	1.520	400.002	99.671	140.870	140.865	-0.003	0.003	0.002
пт28(8)	1.520	182.853	100.844	140.350	140.334	-0.006	-0.002	0.002
пт28(8)	1.520	182.855	100.844	140.350	140.334	-0.009	-0.000	0.002
2345	0.000	264.749	104.427	7.900	7.881	4616154.368	9396040.208	202.180
2346	0.000	372.871	99.893	28.010	28.010	4616166.824	9396067.552	202.776

2347	0.000	387.507	99.528	71.230	71.228	4616180.648	9396109.762	203.257
2348	0.000	8.149	100.960	44.670	44.665	4616155.058	9396090.210	202.056
2349	0.000	34.274	103.138	19.820	19.796	4616143.626	9396065.018	201.752
2350	0.000	121.963	104.387	14.390	14.356	4616134.672	9396044.805	201.738
2351	0.000	157.314	102.592	26.080	26.059	4616128.015	9396030.486	201.668
2352	1.520	176.265	99.781	61.170	61.170	4616112.583	9395996.797	201.419
2353	1.520	178.346	101.460	61.060	61.044	4616114.280	9395995.738	199.809
2354	1.520	179.388	101.043	61.010	61.002	4616115.130	9395995.212	200.209
2355	1.520	181.476	100.830	60.980	60.975	4616116.827	9395994.152	200.414
2356	1.520	184.414	100.776	60.590	60.586	4616119.441	9395993.063	200.471
2357	1.520	187.763	100.689	60.670	60.667	4616122.228	9395991.511	200.553
2358	1.520	189.651	100.692	60.700	60.697	4616123.841	9395990.714	200.549
2359	1.520	190.422	101.112	60.700	60.691	4616124.515	9395990.419	200.149
2360	1.520	193.037	100.052	60.840	60.840	4616126.762	9395989.322	201.159
2361	1.520	190.925	100.887	45.950	45.946	4616130.792	9396003.768	200.569
2362	1.520	189.124	100.749	45.900	45.897	4616129.626	9396004.344	200.669
2363	1.520	184.915	100.801	45.870	45.867	4616126.934	9396005.740	200.632
2364	1.520	180.508	100.828	45.560	45.556	4616124.372	9396007.622	200.616
2365	1.520	177.717	100.894	45.440	45.436	4616122.785	9396008.836	200.571
2366	1.520	172.028	102.219	31.280	31.261	4616128.750	9396022.128	200.119
2367	1.520	175.080	101.001	31.160	31.156	4616129.979	9396021.269	200.719
2368	1.520	177.984	101.012	31.110	31.106	4616131.153	9396020.469	200.715
2369	1.520	184.154	100.980	30.350	30.347	4616134.077	9396019.525	200.742
2370	1.520	190.080	100.846	30.210	30.208	4616136.655	9396018.382	200.808
2371	1.520	193.452	101.053	30.230	30.226	4616138.126	9396017.750	200.709
2372	1.520	195.766	102.128	30.230	30.213	4616139.163	9396017.387	200.199
2373	1.520	201.576	97.525	30.620	30.597	4616141.716	9396016.238	202.399
2374	1.520	202.635	100.956	13.310	13.309	4616146.036	9396032.981	201.009
2375	1.520	194.790	100.867	13.220	13.219	4616144.494	9396033.526	201.029
2376	1.520	178.738	101.469	13.140	13.137	4616141.580	9396035.107	200.906
2377	1.520	163.173	101.735	12.840	12.835	4616139.398	9396037.421	200.859
2378	1.520	155.868	102.505	13.490	13.480	4616137.956	9396038.204	200.678
2379	1.520	59.590	108.112	9.130	9.056	4616143.346	9396053.050	200.049
2380	1.520	45.373	102.611	8.800	8.793	4616145.170	9396053.884	200.848
2381	1.520	39.313	101.599	7.640	7.638	4616146.340	9396053.127	201.017
2382	1.520	14.294	101.331	6.360	6.359	4616149.235	9396052.314	201.076
2383	1.520	382.633	100.408	6.040	6.040	4616152.072	9396051.149	201.170
2384	1.520	363.746	101.675	6.590	6.588	4616153.860	9396050.387	201.036
2385	1.520	348.467	107.280	6.840	6.795	4616154.955	9396049.199	200.429
2386	1.520	363.609	101.744	6.560	6.558	4616153.847	9396050.356	201.029
2387	1.520	381.349	99.563	16.730	16.730	4616157.831	9396060.157	201.324
2388	1.520	388.532	99.604	18.290	18.290	4616156.848	9396062.472	201.323
2389	1.520	399.418	99.879	18.410	18.410	4616153.956	9396063.685	201.244
2390	1.520	9.186	100.300	19.310	19.310	4616151.296	9396065.131	201.118
2391	1.520	12.330	100.699	20.550	20.549	4616150.435	9396066.457	200.984
2392	1.520	1.720	99.701	37.650	37.650	4616157.838	9396082.553	201.386
2393	1.520	4.428	99.865	37.620	37.620	4616156.268	9396082.868	201.289
2394	1.520	396.675	99.643	37.690	37.690	4616160.719	9396081.775	201.421
2395	1.520	391.383	99.509	37.580	37.579	4616163.610	9396080.575	201.499
2396	1.520	388.687	99.309	37.210	37.208	4616164.903	9396079.589	201.613

Станция: пт28(8) Ih = 1.705

Име(клас)	X	Y	H	O	V
пт27(7)	4616148.981	9396045.960	201.089	66.0118	-0.0035
пт27(7)	4616148.981	9396045.960	201.089	66.0092	-0.0009
пт29(8)	4615845.261	9395654.083	192.711	66.0053	0.0030
пт29(8)	4615845.261	9395654.083	192.711	66.0083	0.0000
пт28(8)	4616077.569	9395925.149	199.351	66.0083	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт27(7)	1.520	400.002	99.298	140.350	140.338	-0.006	0.005	0.004
пт27(7)	1.520	400.005	99.298	140.360	140.348	-0.006	-0.006	0.004
пт29(8)	1.520	188.887	101.221	357.070	356.996	-0.010	0.013	0.011
пт29(8)	1.520	188.884	101.220	357.060	356.986	-0.004	-0.006	0.011
3001	1.520	383.957	99.309	28.570	28.568	4616097.781	9395945.339	199.846
3002	1.520	387.297	101.096	28.450	28.446	4616096.612	9395946.280	199.046
3003	1.520	390.485	99.779	28.400	28.400	4616095.502	9395947.171	199.635

3004	1.520	393.650	99.590	28.460	28.460	4616094.420	9395948.083	199.720
3005	1.520	400.165	99.785	28.760	28.760	4616092.141	9395949.943	199.633
3006	1.520	7.062	99.879	28.530	28.530	4616089.281	9395951.164	199.591
3007	1.520	9.603	99.961	28.480	28.480	4616088.214	9395951.565	199.554
3008	1.520	13.942	101.294	28.540	28.534	4616086.407	9395952.280	198.956
3009	1.520	18.353	99.071	28.780	28.777	4616084.567	9395953.062	199.956
3010	1.520	65.632	102.578	7.660	7.654	4616073.919	9395931.877	199.226
3011	1.520	66.107	103.140	6.160	6.153	4616074.595	9395930.535	199.233
3012	1.520	40.370	104.126	3.910	3.902	4616077.178	9395929.031	199.283
3013	1.520	386.774	102.600	3.490	3.487	4616079.924	9395927.720	199.394
3014	1.520	359.762	104.367	3.950	3.941	4616081.191	9395926.701	199.266
3015	1.520	202.030	104.150	24.250	24.199	4616065.924	9395903.936	197.957
3016	1.520	196.621	102.048	24.130	24.118	4616064.210	9395905.069	198.760
3017	1.520	192.764	101.548	24.240	24.233	4616062.949	9395905.822	198.947
3018	1.520	185.011	101.604	24.660	24.652	4616060.418	9395907.440	198.915
3019	1.520	177.368	101.728	25.090	25.081	4616058.088	9395909.352	198.855
3020	1.520	172.626	102.487	25.090	25.071	4616056.974	9395910.851	198.557
3021	1.520	170.855	103.241	25.160	25.128	4616056.537	9395911.398	198.256
3022	1.520	167.128	101.705	25.400	25.391	4616055.540	9395912.521	198.856
3023	1.520	184.323	101.314	73.470	73.455	4616025.899	9395872.939	198.020
3024	1.520	185.505	101.234	73.290	73.277	4616027.000	9395872.117	198.116
3025	1.520	188.142	101.207	73.140	73.127	4616029.338	9395870.181	198.150
3026	1.520	190.566	101.248	73.490	73.476	4616031.245	9395868.114	198.097
3027	1.520	191.865	101.247	73.490	73.476	4616032.419	9395867.181	198.097
3028	1.520	186.084	101.129	113.300	113.283	4616000.140	9395842.457	197.527
3029	1.520	186.927	101.072	113.280	113.265	4616001.255	9395841.452	197.630
3030	1.520	188.737	101.047	113.880	113.865	4616003.274	9395838.861	197.665
3031	1.520	190.083	101.066	114.120	114.105	4616004.961	9395837.126	197.627
3032	1.520	190.915	101.177	114.130	114.111	4616006.114	9395836.179	197.427
3033	1.520	186.231	101.094	167.630	167.606	4615963.294	9395802.539	196.658
3034	1.520	186.990	101.363	167.630	167.593	4615964.774	9395801.195	195.949
3035	1.520	187.180	101.098	167.600	167.576	4615965.156	9395800.871	196.648
3036	1.520	187.751	101.096	167.610	167.586	4615966.267	9395799.861	196.653
3037	1.520	188.928	101.096	167.830	167.806	4615968.459	9395797.658	196.650
3038	1.520	190.019	101.090	168.170	168.146	4615970.444	9395795.543	196.659
3039	1.520	190.398	101.128	168.150	168.125	4615971.231	9395794.925	196.559
3040	1.520	190.815	101.469	168.210	168.166	4615972.059	9395794.200	195.658

Станция: пт29(8) Ih = 1.679

Име(клас)	X	Y	H	O	V
пт28(8)	4616077.569	9395925.149	199.351	54.8904	-0.0002
пт28(8)	4616077.569	9395925.149	199.351	54.8912	-0.0010
пт30(8)	4615688.814	9395467.430	186.836	54.8919	-0.0017
пт30(8)	4615688.814	9395467.430	186.836	54.8873	0.0029
пт29(8)	4615845.261	9395654.083	192.711	54.8902	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт28(8)	1.520	400.002	98.849	357.070	357.003	-0.008	-0.007	0.018
пт28(8)	1.520	400.001	98.849	357.050	356.983	0.002	0.011	0.018
пт30(8)	1.520	200.698	101.576	243.630	243.550	0.007	-0.002	-0.007
пт30(8)	1.520	200.703	101.576	243.630	243.550	-0.006	0.009	-0.007
3041	1.520	203.641	102.082	184.450	184.353	4615733.489	9395507.478	186.843
3042	1.520	203.054	101.703	184.340	184.275	4615732.189	9395508.576	187.942
3043	1.520	202.432	101.669	184.360	184.298	4615730.760	9395509.669	188.041
3044	1.520	201.448	101.641	184.380	184.320	4615728.527	9395511.440	188.120
3045	1.520	200.398	101.658	184.770	184.708	4615725.940	9395513.087	188.061
3046	1.520	199.881	101.657	184.770	184.709	4615724.797	9395514.062	188.063
3047	1.520	199.192	102.071	184.800	184.703	4615723.293	9395515.378	186.862
3048	1.520	199.720	101.721	145.800	145.748	4615749.929	9395543.836	188.932
3049	1.520	200.317	101.678	145.750	145.700	4615750.998	9395542.983	189.031
3050	1.520	201.517	101.653	145.970	145.922	4615752.967	9395541.056	189.081
3051	1.520	202.658	101.665	146.500	146.451	4615754.682	9395539.003	189.041
3052	1.520	203.353	101.751	146.540	146.485	4615755.921	9395537.995	188.842
3053	1.520	204.184	101.752	113.470	113.428	4615777.262	9395563.297	189.748
3054	1.520	203.364	101.718	113.670	113.629	4615775.975	9395564.021	189.805
3055	1.520	201.858	101.670	113.470	113.432	4615773.988	9395565.839	189.894
3056	1.520	200.300	101.710	113.350	113.310	4615771.929	9395567.702	189.827

3057	1.520	199.438	101.764	113.320	113.277	4615770.789	9395568.727	189.731
3058	1.520	209.031	103.147	69.810	69.725	4615807.827	9395595.258	189.420
3059	1.520	206.291	101.870	69.650	69.620	4615805.392	9395597.009	190.824
3060	1.520	205.426	101.787	69.530	69.503	4615804.688	9395597.651	190.919
3061	1.520	202.629	101.722	69.280	69.255	4615802.402	9395599.683	190.997
3062	1.520	200.006	101.779	69.320	69.293	4615800.173	9395601.465	190.934
3063	1.520	198.718	101.867	69.240	69.211	4615799.172	9395602.450	190.841
3064	1.520	197.707	103.150	69.340	69.256	4615798.328	9395603.155	189.440
3065	1.520	214.190	102.072	33.140	33.123	4615829.799	9395624.790	191.792
3066	1.520	210.747	101.964	32.950	32.935	4615828.335	9395625.831	191.854
3067	1.520	204.403	101.902	32.670	32.656	4615825.775	9395627.878	191.894
3068	1.520	198.625	101.996	33.000	32.984	4615823.261	9395629.508	191.836
3069	1.520	195.624	102.504	33.190	33.165	4615822.000	9395630.443	191.565
3070	1.520	170.953	105.696	5.920	5.896	4615839.844	9395651.754	192.341
3071	1.520	189.153	103.861	5.230	5.220	4615841.241	9395650.752	192.553
3072	1.520	223.985	102.699	5.780	5.775	4615843.380	9395648.623	192.625
3073	1.520	248.591	102.917	7.500	7.492	4615845.671	9395646.602	192.527
3074	1.520	258.381	103.902	8.890	8.873	4615847.097	9395645.401	192.325
3075	1.520	6.376	99.125	28.720	28.717	4615861.676	9395677.647	193.265
3076	1.520	2.763	98.813	28.590	28.585	4615862.904	9395676.574	193.403
3077	1.520	395.850	98.705	28.600	28.594	4615865.244	9395674.535	193.452
3078	1.520	389.477	98.765	29.260	29.255	4615867.694	9395672.860	193.438
3079	1.520	383.437	99.629	29.510	29.510	4615869.582	9395670.795	193.042
3080	1.520	393.274	99.010	62.320	62.313	4615890.575	9395696.856	193.839
3081	1.520	395.450	98.692	62.330	62.317	4615889.090	9395698.382	194.151
3082	1.520	398.568	98.637	62.400	62.386	4615886.915	9395700.526	194.206
3083	1.520	1.508	98.686	62.820	62.807	4615884.993	9395702.726	194.167
3084	1.520	3.142	98.835	62.820	62.810	4615883.733	9395703.732	194.020
3085	1.520	2.204	98.791	97.360	97.343	4615906.011	9395730.142	194.720
3086	1.520	1.237	98.728	97.280	97.261	4615907.107	9395729.148	194.815
3087	1.520	399.275	98.681	96.990	96.970	4615909.199	9395726.987	194.881
3088	1.520	397.374	98.711	97.080	97.061	4615911.410	9395725.111	194.836
3089	1.520	395.898	98.904	97.400	97.386	4615913.266	9395723.792	194.548
3090	1.520	392.101	98.899	134.400	134.381	4615944.667	9395744.508	195.196
3091	1.520	392.721	98.921	135.860	135.841	4615944.851	9395746.466	195.173
3092	1.520	398.267	98.759	131.130	131.106	4615933.257	9395751.270	195.427
3093	1.520	398.299	98.764	135.780	135.755	4615936.328	9395754.762	195.507
3094	1.520	399.631	98.722	135.430	135.404	4615933.971	9395756.380	195.589
3095	1.520	1.062	98.734	135.770	135.744	4615931.866	9395758.610	195.571
3096	1.520	1.744	98.737	135.520	135.494	4615930.585	9395759.337	195.561
3097	1.520	2.552	98.729	126.280	126.256	4615923.516	9395753.162	195.391
3098	1.520	2.954	98.831	126.320	126.299	4615922.914	9395753.690	195.191
3099	1.520	1.122	98.724	121.450	121.426	4615922.644	9395747.658	195.305
3100	1.520	1.093	98.729	138.060	138.033	4615933.275	9395760.416	195.627
3101	1.520	1.552	98.758	173.720	173.688	4615955.041	9395788.678	196.262
3102	1.520	1.847	98.922	173.690	173.666	4615954.403	9395789.168	195.812
3103	1.520	2.470	98.721	173.750	173.716	4615953.107	9395790.268	196.362
3104	1.520	1.004	98.720	173.700	173.666	4615956.182	9395787.711	196.364
3105	1.520	399.873	98.705	173.630	173.595	4615958.493	9395785.665	196.403
3106	1.520	398.823	98.723	173.700	173.666	4615960.694	9395783.833	196.355
3107	1.520	397.723	99.091	173.720	173.703	4615962.944	9395781.846	195.352

Станция: пт30(8) Ih = 1.683

Име(клас)	X	Y	H	O	V
пт29(8)	4615845.261	9395654.083	192.711	55.5902	-0.0008
пт29(8)	4615845.261	9395654.083	192.711	55.5884	0.0010
пт31(8)	4615510.303	9395247.738	182.775	55.5884	0.0010
пт31(8)	4615510.303	9395247.738	182.775	55.5906	-0.0012
пт30(8)	4615688.814	9395467.430	186.836	55.5894	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт29(8)	1.520	400.000	98.507	243.620	243.547	-0.003	0.002	-0.003
пт29(8)	1.520	400.002	98.507	243.610	243.537	0.009	0.005	-0.003
пт31(8)	2.000	200.972	100.846	283.110	283.079	0.000	0.006	0.011
пт31(8)	2.000	200.970	100.846	283.110	283.079	0.008	0.000	0.011
3108	1.520	385.228	99.670	28.980	28.980	4615712.038	9395484.764	187.149
3109	1.520	388.977	99.237	28.990	28.988	4615710.984	9395486.106	187.347

3110	1.520	395.369	98.976	28.840	28.836	4615708.895	9395488.125	187.463
3111	1.520	1.507	99.056	29.340	29.337	4615707.122	9395490.353	187.434
3112	1.520	4.638	99.145	29.260	29.258	4615705.926	9395491.161	187.392
3113	1.520	248.819	102.260	9.300	9.294	4615689.457	9395458.158	186.669
3114	1.520	248.820	102.884	7.250	7.243	4615689.315	9395460.205	186.671
3115	1.520	226.726	102.655	5.460	5.455	4615687.318	9395462.184	186.771
3116	1.520	190.360	103.536	4.830	4.823	4615685.194	9395464.244	186.731
3117	1.520	169.093	105.777	5.120	5.099	4615684.093	9395465.502	186.535
3118	1.520	214.784	103.933	38.550	38.477	4615671.547	9395433.045	184.619
3119	1.520	210.815	101.547	38.280	38.269	4615669.543	9395434.367	186.069
3120	1.520	208.155	101.302	38.270	38.262	4615668.182	9395435.207	186.217
3121	1.520	203.596	101.181	37.910	37.904	4615666.144	9395437.053	186.296
3122	1.520	199.096	101.274	38.220	38.213	4615663.853	9395438.496	186.234
3123	1.520	192.445	103.250	38.410	38.360	4615660.865	9395441.155	185.039
3124	1.520	196.594	101.434	38.180	38.171	4615662.764	9395439.530	186.139
3125	1.520	199.589	101.229	58.520	58.509	4615650.940	9395422.833	185.869
3126	1.520	202.539	101.203	58.620	58.610	4615652.985	9395421.047	185.891
3127	1.520	205.343	101.297	59.110	59.098	4615654.780	9395419.115	185.795
3128	1.520	207.234	102.602	77.330	77.266	4615646.214	9395402.968	183.839
3129	1.520	205.587	101.368	77.270	77.253	4615644.568	9395404.103	185.339
3130	1.520	204.527	101.291	77.270	77.255	4615643.518	9395404.847	185.432
3131	1.520	201.994	101.247	77.300	77.286	4615641.046	9395406.674	185.486
3132	1.520	199.851	101.210	77.860	77.846	4615638.667	9395407.887	185.519
3133	1.520	198.378	101.292	77.850	77.834	4615637.311	9395409.072	185.420
3134	1.520	197.154	102.352	77.960	77.907	4615636.149	9395410.019	184.120
3135	1.520	199.316	101.227	111.070	111.050	4615616.567	9395383.094	184.860
3136	1.520	200.234	101.113	111.010	110.994	4615617.826	9395382.105	185.060
3137	1.520	201.960	101.162	111.010	110.992	4615620.167	9395380.213	184.974
3138	1.520	203.558	101.212	111.180	111.161	4615622.276	9395378.383	184.883
3139	1.520	204.610	101.269	110.900	110.879	4615623.921	9395377.524	184.790
3140	1.520	203.954	101.192	143.090	143.066	4615603.893	9395352.294	184.321
3141	1.520	203.243	101.105	143.070	143.049	4615602.622	9395353.263	184.517
3142	1.520	201.964	101.103	142.940	142.919	4615600.427	9395355.119	184.525
3143	1.520	200.666	101.071	143.460	143.441	4615597.825	9395356.541	184.586
3144	1.520	199.956	101.114	143.470	143.449	4615596.588	9395357.557	184.491
3145	1.520	199.394	100.880	179.480	179.464	4615572.224	9395330.996	184.522
3146	1.520	199.748	101.447	179.500	179.455	4615572.993	9395330.355	182.921
3147	1.520	200.244	101.022	179.470	179.448	4615574.068	9395329.462	184.121
3148	1.520	200.838	100.985	179.360	179.340	4615575.429	9395328.482	184.225
3149	1.520	201.913	101.015	179.230	179.208	4615577.872	9395326.690	184.144
3150	1.520	203.018	101.021	179.620	179.598	4615580.095	9395324.477	184.120
3151	1.520	204.081	101.339	179.670	179.631	4615582.477	9395322.654	183.221
3152	1.520	203.277	100.974	213.030	213.006	4615560.563	9395297.361	183.742
3153	1.520	202.829	100.975	213.020	212.996	4615559.375	9395298.276	183.741
3154	1.520	201.930	100.975	212.930	212.906	4615557.055	9395300.191	183.743
3155	1.520	201.070	100.962	212.920	212.897	4615554.813	9395301.994	183.786
3156	1.520	200.531	100.990	212.870	212.846	4615553.450	9395303.174	183.692

Станция: пт31(8) Ih = 1.691

Име(клас)	X	Y	H	O	V
пт32(7)	4615336.482	9394982.775	179.582	56.5615	-0.0031
пт32(7)	4615336.482	9394982.775	179.582	56.5571	0.0013
пт30(8)	4615688.814	9395467.430	186.836	56.5587	-0.0003
пт30(8)	4615688.814	9395467.430	186.836	56.5563	0.0021
пт31(8)	4615510.303	9395247.738	182.775	56.5584	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт32(7)	2.000	206.477	100.582	316.900	316.880	0.008	-0.017	0.006
пт32(7)	2.000	206.481	100.582	316.920	316.900	0.001	0.012	0.006
пт30(8)	1.520	400.002	99.130	283.100	283.067	0.003	0.006	0.015
пт30(8)	1.520	400.004	99.130	283.100	283.067	0.011	-0.001	0.015
3157	1.520	2.767	99.105	160.730	160.715	4615606.142	9395376.751	185.208
3158	1.520	1.706	99.525	33.390	33.389	4615530.658	9395274.205	183.195
3159	1.520	398.444	99.272	33.540	33.538	4615532.083	9395273.241	183.329
3160	1.520	392.811	99.432	33.770	33.769	4615534.417	9395271.378	183.247
3161	1.520	387.329	99.625	33.650	33.650	4615536.268	9395269.141	183.144
3162	1.520	383.792	99.998	33.640	33.640	4615537.409	9395267.661	182.947

3163	1.520	163.193	96.001	5.890	5.878	4615504.705	9395245.943	183.316
3164	1.520	182.411	111.287	5.270	5.187	4615506.057	9395244.757	182.016
3165	1.520	197.263	104.160	5.060	5.049	4615506.953	9395243.960	182.615
3166	1.520	216.410	102.569	5.140	5.136	4615508.187	9395243.058	182.739
3167	1.520	243.807	102.821	6.620	6.614	4615510.341	9395241.125	182.653
3168	1.520	256.902	102.494	9.360	9.353	4615512.266	9395238.593	182.579
3169	1.520	263.803	103.880	10.510	10.491	4615513.601	9395237.779	182.306
3170	1.520	263.803	106.274	11.590	11.534	4615513.929	9395236.789	181.806
3171	1.520	263.803	102.109	13.590	13.583	4615514.573	9395234.844	182.496
3172	1.520	205.513	101.427	20.510	20.505	4615498.796	9395230.766	182.486
3173	1.520	214.443	101.583	20.990	20.984	4615501.072	9395228.894	182.424
3174	1.520	223.580	101.697	21.870	21.862	4615503.592	9395226.931	182.363
3175	1.520	227.541	102.048	22.240	22.229	4615504.808	9395226.199	182.231
3176	1.520	197.684	99.747	45.210	45.210	4615480.534	9395213.712	183.126
3177	1.520	203.324	101.165	44.990	44.983	4615483.795	9395211.395	182.123
3178	1.520	201.626	102.572	45.050	45.014	4615482.817	9395212.090	181.126
3179	1.520	205.501	101.012	45.070	45.065	4615485.008	9395210.442	182.230
3180	1.520	209.490	101.126	45.410	45.403	4615487.221	9395208.640	182.143
3181	1.520	213.568	101.193	45.910	45.902	4615489.545	9395206.798	182.085
3182	1.520	215.905	101.447	46.240	46.228	4615490.925	9395205.767	181.895
3183	1.520	220.717	101.030	46.350	46.344	4615494.109	9395204.315	182.196
3184	1.520	218.657	102.270	46.290	46.261	4615492.744	9395204.939	181.296
3185	1.520	204.736	101.040	79.160	79.150	4615465.091	9395182.772	181.653
3186	1.520	205.983	100.921	79.210	79.202	4615466.343	9395181.855	181.800
3187	1.520	208.464	100.956	79.360	79.352	4615468.866	9395180.065	181.755
3188	1.520	210.894	100.990	80.100	80.091	4615471.116	9395177.889	181.701
3189	1.520	212.244	101.144	80.120	80.108	4615472.599	9395177.058	181.506
3190	1.520	203.484	100.356	114.570	114.569	4615443.022	9395155.005	182.307
3191	1.520	204.597	101.356	114.570	114.545	4615444.668	9395153.863	180.507
3192	1.520	205.431	100.910	114.490	114.479	4615445.940	9395153.066	181.311
3193	1.520	206.315	100.864	114.550	114.540	4615447.227	9395152.130	181.393
3194	1.520	208.006	100.841	114.520	114.511	4615449.805	9395150.513	181.434
3195	1.520	209.778	100.891	114.590	114.580	4615452.500	9395148.808	181.343
3196	1.520	210.461	100.968	114.520	114.508	4615453.599	9395148.256	181.206
3197	1.520	211.182	101.523	114.550	114.518	4615454.724	9395147.611	180.207
3198	1.520	212.682	100.411	114.590	114.588	4615457.066	9395146.267	182.207
3199	1.520	205.907	100.802	149.120	149.109	4615427.394	9395123.804	181.070
3200	1.520	206.466	100.781	148.960	148.950	4615428.574	9395123.214	181.120
3201	1.520	207.692	100.769	148.880	148.870	4615431.028	9395121.731	181.150
3202	1.520	208.943	100.799	149.180	149.169	4615433.366	9395119.941	181.076
3203	1.520	209.402	100.820	149.460	149.449	4615434.148	9395119.148	181.022
3204	1.520	206.082	100.749	182.970	182.959	4615408.993	9395095.390	180.796
3205	1.520	206.524	100.727	182.990	182.979	4615410.042	9395094.672	180.860
3206	1.520	207.493	100.736	183.100	183.089	4615412.323	9395093.072	180.833
3207	1.520	208.487	100.765	182.950	182.938	4615414.828	9395091.690	180.751
3208	1.520	209.077	100.835	182.990	182.975	4615416.261	9395090.779	180.548

Станция: пт32(7) Ih = 1.623

Име(клас)	X	Y	H	O	V
пт33(7)	4615217.644	9394788.419	176.971	63.0405	-0.0034
пт33(7)	4615217.644	9394788.419	176.971	63.0379	-0.0008
пт31(8)	4615510.303	9395247.738	182.775	63.0362	0.0009
пт31(8)	4615510.303	9395247.738	182.775	63.0342	0.0029
пт32(7)	4615336.482	9394982.775	179.582	63.0371	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт33(7)	1.520	202.022	100.759	227.840	227.819	0.016	0.002	-0.001
пт33(7)	1.520	202.025	100.759	227.830	227.809	0.003	-0.001	-0.001
пт31(8)	2.000	400.002	99.287	316.920	316.893	0.001	-0.005	0.012
пт31(8)	2.000	400.004	99.287	316.910	316.883	0.015	-0.002	0.012
3209	0.000	215.899	102.142	32.100	32.082	4615326.060	9394952.433	180.125
3210	0.000	235.892	102.827	22.580	22.558	4615336.103	9394960.220	180.203
3211	0.000	299.206	104.116	12.960	12.933	4615347.206	9394975.546	180.368
3212	0.000	367.143	101.355	22.950	22.945	4615356.897	9394993.250	180.717
3213	0.000	15.232	102.404	24.110	24.093	4615344.547	9395005.478	180.295
3214	0.000	81.569	111.720	6.360	6.253	4615332.451	9394987.555	180.041
3215	0.000	177.644	104.390	17.690	17.648	4615322.316	9394972.250	179.986

3216	0.000	192.285	102.925	13.730	13.716	4615327.627	9394972.301	180.574
3217	1.520	199.998	101.064	186.030	186.005	4615234.445	9394827.255	176.577
3218	1.520	200.476	100.893	185.990	185.973	4615235.636	9394826.519	177.077
3219	1.520	201.007	100.859	185.970	185.954	4615236.952	9394825.699	177.179
3220	1.520	201.882	100.874	186.220	186.204	4615238.988	9394824.135	177.132
3221	1.520	202.787	100.934	185.940	185.921	4615241.399	9394823.007	176.959
3222	1.520	203.814	101.140	185.990	185.961	4615243.968	9394821.459	176.358
3223	1.520	204.088	101.122	150.420	150.398	4615262.224	9394851.988	177.037
3224	1.520	203.242	100.912	150.460	150.446	4615260.467	9394852.946	177.532
3225	1.520	202.051	100.889	150.330	150.316	4615258.119	9394854.501	177.588
3226	1.520	200.886	100.905	150.500	150.486	4615255.695	9394855.813	177.547
3227	1.520	199.914	100.905	150.550	150.536	4615253.738	9394857.019	177.547
3228	1.520	205.980	101.099	108.920	108.904	4615285.548	9394886.515	177.806
3229	1.520	205.395	100.865	108.910	108.901	4615284.667	9394886.991	178.206
3230	1.520	204.226	100.865	108.870	108.861	4615282.937	9394887.993	178.207
3231	1.520	202.642	100.840	108.610	108.601	4615280.729	9394889.577	178.253
3232	1.520	200.978	100.844	108.440	108.431	4615278.404	9394891.209	178.249
3233	1.520	200.039	100.904	108.410	108.400	4615277.076	9394892.103	178.146
3234	1.520	199.217	101.432	108.470	108.443	4615275.886	9394892.841	177.246
3235	1.520	208.059	101.090	71.250	71.240	4615305.237	9394918.752	178.465
3236	1.520	206.540	100.908	71.210	71.203	4615303.736	9394919.549	178.669
3237	1.520	203.894	100.842	70.990	70.984	4615301.246	9394921.154	178.747
3238	1.520	201.270	100.859	70.870	70.864	4615298.800	9394922.760	178.729
3239	1.520	199.653	101.042	70.900	70.891	4615297.273	9394923.714	178.525
3240	1.520	217.499	102.071	35.360	35.342	4615325.844	9394949.072	178.535
3241	1.520	215.158	101.171	35.350	35.344	4615324.611	9394949.484	179.035
3242	1.520	212.693	100.968	34.960	34.956	4615323.476	9394950.328	179.154
3243	1.520	207.108	100.868	34.430	34.427	4615320.923	9394952.065	179.216
3244	1.520	202.252	100.799	34.320	34.318	4615318.684	9394953.434	179.254
3245	1.520	196.734	101.841	34.580	34.566	4615316.064	9394954.884	178.685
3246	1.520	199.584	100.929	34.510	34.507	4615317.366	9394954.048	179.182
3247	1.520	170.609	105.457	6.990	6.964	4615330.468	9394979.263	179.087
3248	1.520	192.563	102.170	6.130	6.126	4615332.547	9394978.079	179.476
3249	1.520	211.829	100.739	6.290	6.290	4615334.063	9394976.969	179.612
3250	1.520	233.839	100.776	7.410	7.409	4615336.119	9394975.374	179.595
3251	1.520	249.386	100.776	9.390	9.389	4615338.303	9394973.564	179.571
3252	1.520	260.346	103.817	12.070	12.048	4615340.809	9394971.530	178.962
3253	1.520	256.988	101.466	10.870	10.867	4615339.844	9394972.441	179.435
3254	1.520	383.040	99.439	30.130	30.129	4615359.058	9395002.727	179.951
3255	1.520	386.051	99.320	29.750	29.748	4615357.816	9395003.507	180.003
3256	1.520	392.286	99.295	29.340	29.338	4615355.422	9395005.180	180.010
3257	1.520	398.317	99.370	29.310	29.309	4615353.201	9395006.847	179.975
3258	1.520	2.464	99.618	29.350	29.350	4615351.620	9395007.920	179.861
3259	1.520	4.666	98.122	66.450	66.422	4615368.752	9395040.831	181.645
3260	1.520	2.557	100.134	66.380	66.380	4615370.636	9395039.695	179.545
3261	1.520	1.310	99.557	66.330	66.329	4615371.717	9395038.971	180.147
3262	1.520	399.500	99.404	66.220	66.218	4615373.238	9395037.854	180.306
3263	1.520	396.725	99.388	66.140	66.137	4615375.556	9395036.136	180.321
3264	1.520	393.881	99.468	66.640	66.638	4615378.214	9395034.728	180.242
3265	1.520	392.305	99.561	66.690	66.689	4615379.520	9395033.718	180.145
3266	1.520	391.017	99.895	66.710	66.710	4615380.556	9395032.852	179.795
3267	1.520	389.112	98.181	66.850	66.823	4615382.112	9395031.594	181.595
3268	1.520	395.166	99.538	99.930	99.928	4615397.476	9395061.929	180.411
3269	1.520	396.057	99.491	99.740	99.737	4615396.249	9395062.622	180.483
3270	1.520	397.996	99.426	99.520	99.517	4615393.663	9395064.224	180.583
3271	1.520	399.792	99.416	99.590	99.586	4615391.380	9395065.863	180.599
3272	1.520	400.792	99.489	99.600	99.597	4615390.075	9395066.724	180.485

Станция: пт33(7) Ih = 1.648

Име(клас)	X	Y	H	O	V
пт32(7)	4615336.482	9394982.775	179.582	65.0610	-0.0033
пт32(7)	4615336.482	9394982.775	179.582	65.0568	0.0010
пт34(8)	4615186.091	9394673.512	176.443	65.0567	0.0011
пт34(8)	4615186.091	9394673.512	176.443	65.0555	0.0023
пт33(7)	4615217.644	9394788.419	176.971	65.0578	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)

пт32(7)	1.520	400.002	99.305	227.830	227.812	-0.012	0.004	-0.007
пт32(7)	1.520	400.006	99.305	227.830	227.812	0.001	-0.004	-0.007
пт34(8)	2.600	217.883	99.772	119.170	119.167	-0.000	0.007	-0.004
пт34(8)	2.600	217.884	99.772	119.160	119.157	-0.005	-0.003	-0.004
3273	1.520	7.060	100.281	39.550	39.550	4615234.417	9394824.236	176.924
3274	1.520	4.466	99.929	39.460	39.460	4615235.821	9394823.443	177.143
3275	1.520	400.589	99.987	39.250	39.250	4615237.811	9394822.092	177.107
3276	1.520	396.476	100.239	39.470	39.470	4615240.068	9394820.901	176.951
3277	1.520	393.544	100.531	39.620	39.619	4615241.630	9394819.952	176.768
3278	2.600	32.673	96.509	9.540	9.526	4615217.984	9394797.939	176.542
3279	2.600	20.599	93.864	10.330	10.282	4615219.941	9394798.441	177.013
3280	2.600	18.649	94.768	11.940	11.900	4615220.656	9394799.931	176.999
3281	2.600	25.445	97.702	12.980	12.972	4615219.572	9394801.247	176.487
3282	2.600	23.257	101.546	11.240	11.237	4615219.695	9394799.467	175.746
3283	1.520	9.856	100.625	10.360	10.360	4615221.621	9394797.985	176.997
3284	1.520	393.581	100.732	10.350	10.349	4615223.905	9394796.660	176.980
3285	1.520	379.122	101.224	11.670	11.668	4615226.613	9394795.882	176.875
3286	1.520	370.439	101.650	13.740	13.735	4615229.299	9394795.687	176.743
3287	1.520	367.623	101.869	12.440	12.435	4615228.476	9394794.526	176.734
3288	1.520	180.359	113.411	8.900	8.703	4615211.063	9394782.723	175.238
3289	1.520	192.137	101.903	8.600	8.596	4615212.290	9394781.694	176.842
3290	1.520	201.866	101.153	8.490	8.489	4615213.429	9394781.051	176.945
3291	1.520	221.855	101.568	9.040	9.037	4615215.799	9394779.572	176.876
3292	1.520	238.344	101.957	10.420	10.415	4615218.200	9394778.019	176.779
3293	1.520	245.860	102.554	11.470	11.461	4615219.600	9394777.126	176.639
3294	1.520	254.459	109.642	11.670	11.536	4615221.126	9394777.420	175.338
3295	1.520	218.121	100.736	38.010	38.008	4615207.717	9394751.730	176.660
3296	1.520	217.307	100.539	46.490	46.489	4615204.930	9394743.703	176.705
3297	1.520	234.744	101.511	41.980	41.968	4615217.514	9394746.451	176.103
3298	1.520	234.251	101.416	48.250	48.238	4615217.120	9394740.183	176.026
3299	1.520	212.806	100.384	43.250	43.249	4615202.907	9394747.758	176.838
3300	1.520	208.738	100.297	43.370	43.370	4615200.292	9394748.672	176.897
3301	1.520	209.066	100.334	52.480	52.480	4615196.896	9394740.215	176.824
3302	1.520	196.306	100.445	43.800	43.799	4615192.664	9394752.441	176.793
3303	1.520	195.474	100.393	47.360	47.359	4615190.128	9394749.873	176.807
3304	1.520	209.532	100.199	68.100	68.100	4615191.178	9394725.672	176.886
3305	1.520	208.130	100.588	68.160	68.158	4615189.780	9394726.217	176.469
3306	1.520	205.801	99.888	68.290	68.290	4615187.464	9394727.159	177.219
3307	1.520	210.638	100.103	67.960	67.960	4615192.325	9394725.351	176.989
3308	1.520	213.223	100.147	68.250	68.250	4615194.808	9394724.102	176.942
3309	1.520	215.897	100.269	68.710	68.710	4615197.394	9394722.761	176.809
3310	1.520	217.392	100.361	68.770	68.769	4615198.925	9394722.246	176.709
3311	1.520	217.856	100.639	68.750	68.747	4615199.414	9394722.133	176.409
3312	2.600	211.836	99.548	93.780	93.778	4615184.349	9394700.750	176.686
3313	2.600	212.731	99.418	93.720	93.717	4615185.606	9394700.349	176.876
3314	2.600	214.622	99.443	93.380	93.377	4615188.342	9394699.758	176.836
3315	2.600	216.671	99.534	93.350	93.348	4615191.219	9394698.889	176.703
3316	2.600	217.645	99.639	92.910	92.909	4615192.710	9394698.918	176.547

Станция: пт34(8) Ih = 1.669

Име(клас)	X	Y	H	O	V
пт33(7)	4615217.644	9394788.419	176.971	82.9375	-0.0010
пт33(7)	4615217.644	9394788.419	176.971	82.9365	0.0000
пт35(8)	4615160.272	9394528.620	176.445	82.9363	0.0003
пт35(8)	4615160.272	9394528.620	176.445	82.9361	0.0005
пт34(8)	4615186.091	9394673.512	176.443	82.9366	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт33(7)	2.600	400.002	99.219	119.170	119.159	-0.001	0.002	-0.004
пт33(7)	2.600	400.003	99.219	119.160	119.149	0.003	0.012	-0.004
пт35(8)	1.520	205.837	100.065	147.180	147.177	0.000	0.002	0.002
пт35(8)	1.520	205.837	100.065	147.180	147.177	-0.000	0.002	0.002
3317	1.520	24.065	100.176	26.180	26.180	4615183.218	9394699.534	176.520
3318	1.520	27.706	102.595	26.250	26.228	4615181.727	9394699.375	175.523
3319	1.520	31.799	99.325	26.410	26.409	4615180.033	9394699.216	176.873
3320	0.000	80.333	104.737	13.310	13.273	4615174.967	9394680.752	177.123
3321	0.000	148.753	103.965	15.940	15.909	4615172.113	9394665.916	177.120

3322	1.520	59.726	100.687	9.710	9.709	4615180.061	9394681.122	176.488
3323	1.520	59.725	105.983	11.720	11.668	4615178.844	9394682.657	175.493
3324	1.520	52.240	99.260	8.360	8.359	4615181.704	9394680.627	176.690
3325	1.520	30.739	99.448	6.910	6.910	4615184.618	9394680.263	176.652
3326	1.520	400.411	100.948	6.860	6.859	4615187.865	9394680.138	176.490
3327	1.520	366.884	107.169	8.010	7.959	4615191.735	9394679.124	175.692
3328	1.520	184.030	100.556	18.070	18.069	4615177.130	9394657.821	176.435
3329	1.520	187.677	100.414	17.680	17.680	4615178.217	9394657.683	176.477
3330	1.520	198.074	100.698	17.600	17.599	4615180.919	9394656.690	176.400
3331	1.520	210.430	101.081	17.770	17.768	4615184.243	9394655.841	176.291
3332	1.520	216.247	102.174	18.320	18.309	4615185.856	9394655.204	175.967
3333	1.520	198.823	100.512	47.790	47.789	4615172.585	9394627.671	176.208
3334	1.520	193.502	99.841	47.920	47.920	4615168.758	9394628.836	176.713
3335	1.520	194.833	101.170	47.900	47.892	4615169.705	9394628.510	175.713
3336	1.520	201.051	100.373	47.510	47.509	4615174.267	9394627.497	176.314
3337	1.520	204.862	100.362	46.810	46.810	4615177.174	9394627.560	176.326
3338	1.520	208.770	100.382	45.390	45.389	4615180.195	9394628.507	176.321
3339	1.520	210.890	100.519	45.390	45.389	4615181.696	9394628.336	176.223
3340	1.520	211.873	101.080	45.380	45.374	4615182.396	9394628.289	175.823
3341	1.520	203.366	100.436	77.850	77.849	4615169.471	9394597.458	176.060
3342	1.520	204.307	100.330	77.770	77.769	4615170.612	9394597.299	176.189
3343	1.520	206.753	100.268	77.890	77.890	4615173.532	9394596.641	176.266
3344	2.600	209.030	99.416	77.680	77.677	4615176.315	9394596.452	176.226
3345	2.600	210.421	99.501	77.780	77.778	4615177.991	9394596.157	176.123

Станция: пт35(8) Ih = 1.670

Име(клас)	X	Y	H	O	V
пт34(8)	4615186.091	9394673.512	176.443	88.7716	0.0024
пт34(8)	4615186.091	9394673.512	176.443	88.7740	-0.0000
пт36(8)	4615091.937	9394373.466	177.107	88.7777	-0.0037
пт36(8)	4615091.937	9394373.466	177.107	88.7724	0.0015
пт35(8)	4615160.272	9394528.620	176.445	88.7740	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт34(8)	1.520	400.002	100.067	147.170	147.167	0.006	0.007	0.002
пт34(8)	1.520	399.999	100.067	147.170	147.167	0.001	0.008	0.002
пт36(8)	1.520	184.811	99.813	169.540	169.536	0.009	-0.004	0.011
пт36(8)	1.520	184.816	99.813	169.530	169.526	-0.007	-0.008	0.011
3346	1.520	11.785	99.411	38.890	38.889	4615159.930	9394567.507	176.955
3347	1.520	8.513	102.693	38.780	38.746	4615161.923	9394567.330	174.955
3348	1.520	5.225	101.050	38.680	38.675	4615163.912	9394567.123	175.957
3349	1.520	2.965	100.761	38.710	38.707	4615165.281	9394567.002	176.132
3350	1.520	397.569	100.611	38.640	38.638	4615168.497	9394566.373	176.225
3351	1.520	393.247	100.611	38.740	38.738	4615171.067	9394565.824	176.223
3352	1.520	389.961	100.772	38.770	38.767	4615172.981	9394565.245	176.125
3353	1.520	387.512	102.077	38.930	38.910	4615174.433	9394564.861	175.325
3354	1.520	15.486	101.708	19.010	19.003	4615159.001	9394547.581	176.085
3355	1.520	10.123	101.393	18.940	18.936	4615160.600	9394547.553	176.181
3356	1.520	399.364	101.156	18.300	18.297	4615163.661	9394546.600	176.263
3357	1.520	390.311	101.249	18.000	17.997	4615166.078	9394545.654	176.242
3358	1.520	383.266	101.933	18.120	18.112	4615167.973	9394545.013	176.045
3359	1.520	69.879	101.575	10.510	10.507	4615151.904	9394534.974	176.335
3360	1.520	69.879	112.983	8.690	8.510	4615153.494	9394533.766	174.835
3361	1.520	69.879	103.271	7.010	7.001	4615154.696	9394532.854	176.235
3362	1.520	69.879	102.979	5.510	5.504	4615155.888	9394531.949	176.337
3363	1.520	38.480	103.240	2.820	2.816	4615159.102	9394531.182	176.452
3364	1.520	368.505	104.924	2.600	2.592	4615161.883	9394530.650	176.394
3365	1.520	326.762	109.630	3.320	3.282	4615163.456	9394529.413	176.095
3366	1.520	294.447	118.012	6.810	6.539	4615166.585	9394526.916	174.694
3367	1.520	174.472	100.544	26.260	26.259	4615145.939	9394506.617	176.371
3368	1.520	177.587	100.012	26.060	26.060	4615147.133	9394506.114	176.590
3369	1.520	185.206	99.770	26.600	26.600	4615149.700	9394504.211	176.691
3370	1.520	191.239	99.820	27.460	27.460	4615151.791	9394502.502	176.673
3371	1.520	194.941	99.815	27.530	27.530	4615153.306	9394501.986	176.675
3372	1.520	182.020	99.918	61.200	61.200	4615133.170	9394473.748	176.674
3373	1.520	183.187	99.829	61.120	61.120	4615134.214	9394473.333	176.760
3374	1.520	186.259	99.748	61.330	61.330	4615136.831	9394471.946	176.838

3375	1.520	189.007	99.713	62.050	62.050	4615139.052	9394470.311	176.875
3376	1.520	190.032	99.713	62.080	62.080	4615139.984	9394469.949	176.875
3377	1.520	192.083	101.763	62.130	62.107	4615141.876	9394469.300	174.875
3378	1.520	179.885	100.052	85.850	85.851	4615119.694	9394452.964	176.525
3379	1.520	180.996	100.950	85.780	85.771	4615121.056	9394452.339	175.316
3380	1.520	182.480	99.911	85.700	85.700	4615122.876	9394451.509	176.716
3381	1.520	183.595	99.834	85.630	85.630	4615124.262	9394450.929	176.819
3382	1.520	186.042	99.768	86.200	86.200	4615127.055	9394449.077	176.909
3383	1.520	188.014	99.742	85.980	85.980	4615129.613	9394448.292	176.945
3384	1.520	190.604	101.369	86.060	86.041	4615132.886	9394447.054	174.746
3385	1.520	188.968	99.741	86.040	86.040	4615130.798	9394447.786	176.946

Станция: пт36(8) Ih = 1.665

Име(клас)	X	Y	H	O	V
пт35(8)	4615160.272	9394528.620	176.445	73.5847	-0.0006
пт35(8)	4615160.272	9394528.620	176.445	73.5795	0.0046
пт37(8)	4615026.124	9394245.125	178.386	73.5889	-0.0049
пт37(8)	4615026.124	9394245.125	178.386	73.5835	0.0005
пт36(8)	4615091.937	9394373.466	177.107	73.5841	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт35(8)	1.520	400.004	100.308	169.540	169.534	-0.001	0.002	0.010
пт35(8)	1.520	400.009	100.308	169.540	169.534	0.011	-0.004	0.010
пт37(8)	1.520	196.246	99.505	144.230	144.223	0.006	-0.013	0.011
пт37(8)	1.520	196.252	99.505	144.240	144.233	-0.000	0.001	0.011
3386	1.520	193.942	99.699	117.680	117.679	4615034.477	9394270.768	177.809
3387	1.520	191.237	99.535	117.790	117.788	4615030.110	9394273.209	178.113
3388	1.520	192.047	100.508	117.740	117.737	4615031.417	9394272.474	176.313
3389	1.520	194.478	99.673	117.480	117.479	4615035.441	9394270.463	177.857
3390	1.520	196.137	99.631	117.740	117.739	4615038.024	9394268.796	177.935
3391	1.520	197.779	99.652	118.150	118.149	4615040.564	9394267.070	177.899
3392	1.520	199.865	100.458	118.190	118.188	4615044.061	9394265.410	176.403
3393	1.520	198.518	99.677	118.100	118.099	4615041.824	9394266.526	177.853
3394	1.520	192.402	99.839	86.900	86.900	4615047.684	9394298.677	177.473
3395	1.520	193.509	99.793	86.870	86.870	4615049.006	9394297.945	177.535
3396	1.520	195.637	99.788	86.920	86.920	4615051.531	9394296.508	177.542
3397	1.520	197.821	99.817	86.960	86.960	4615054.177	9394295.132	177.502
3398	1.520	198.919	99.817	86.970	86.970	4615055.529	9394294.483	177.503
3399	1.520	191.481	99.828	56.550	56.550	4615062.438	9394325.219	177.405
3400	1.520	185.868	99.832	56.790	56.790	4615058.162	9394327.811	177.402
3401	1.520	187.545	100.955	56.660	56.654	4615059.454	9394327.049	176.402
3402	1.520	189.232	99.899	56.640	56.640	4615060.703	9394326.216	177.342
3403	1.520	194.899	99.778	56.790	56.790	4615064.956	9394323.495	177.451
3404	1.520	197.860	99.938	57.170	57.170	4615067.143	9394321.952	177.308
3405	1.520	201.752	102.156	57.300	57.268	4615070.301	9394320.443	175.312
3406	1.520	199.528	100.045	57.210	57.210	4615068.486	9394321.283	177.212
3407	1.520	181.934	100.045	28.310	28.310	4615073.726	9394351.790	177.232
3408	1.520	185.535	99.910	28.260	28.260	4615075.011	9394350.835	177.292
3409	1.520	192.503	99.720	28.230	28.230	4615077.599	9394349.148	177.376
3410	1.520	198.194	99.978	28.620	28.620	4615079.660	9394347.613	177.262
3411	1.520	201.084	100.200	28.640	28.640	4615080.839	9394347.064	177.162
3412	1.520	365.383	104.094	5.600	5.588	4615096.510	9394376.677	176.892
3413	1.520	388.677	101.973	5.200	5.198	4615094.840	9394377.777	177.091
3414	1.520	22.480	101.579	5.970	5.968	4615092.305	9394379.423	177.104
3415	1.520	42.970	101.261	7.660	7.659	4615089.967	9394380.867	177.100
3416	1.520	42.969	102.960	9.680	9.670	4615089.450	9394382.811	176.802
3417	1.520	42.969	108.506	11.260	11.160	4615089.067	9394384.251	175.752
3418	1.520	42.969	101.952	14.680	14.673	4615088.164	9394387.646	176.802
3419	1.520	393.973	100.849	42.750	42.746	4615112.790	9394410.781	176.682
3420	1.520	396.357	100.545	42.700	42.699	4615111.357	9394411.493	176.886
3421	1.520	400.413	100.390	42.930	42.929	4615108.988	9394412.864	176.989
3422	1.520	4.528	100.425	43.140	43.139	4615106.478	9394414.081	176.964
3423	1.520	7.034	100.649	43.190	43.188	4615104.883	9394414.668	176.812
3424	1.520	396.664	100.291	73.930	73.930	4615125.243	9394439.468	176.914
3425	1.520	399.140	100.272	73.920	73.920	4615122.648	9394440.704	176.937
3426	1.520	1.524	100.365	74.110	74.109	4615120.181	9394441.982	176.827

Станция: пт37(8) Ih = 1.675

Име(клас)	X	Y	H	O	V
пт36(8)	4615091.937	9394373.466	177.107	69.8334	0.0002
пт36(8)	4615091.937	9394373.466	177.107	69.8282	0.0054
пт38(8)	4614924.262	9394174.071	179.424	69.8384	-0.0048
пт38(8)	4614924.262	9394174.071	179.424	69.8350	-0.0014
пт37(8)	4615026.124	9394245.125	178.386	69.8336	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт36(8)	1.520	400.002	100.638	144.240	144.230	0.001	0.002	0.011
пт36(8)	1.520	400.007	100.638	144.240	144.230	0.011	-0.004	0.011
пт38(8)	1.520	168.937	99.555	124.200	124.194	0.004	-0.009	0.014
пт38(8)	1.520	168.940	99.555	124.200	124.194	0.000	-0.003	0.014
3427	1.520	391.271	101.517	17.630	17.625	4615036.235	9394259.561	178.121
3428	1.520	392.696	101.587	24.560	24.553	4615039.756	9394265.546	177.929
3429	2.600	369.934	101.191	14.540	14.538	4615037.916	9394253.627	177.189
3430	2.600	368.913	100.734	17.030	17.029	4615040.095	9394254.861	177.265
3431	0.000	37.917	106.095	13.890	13.826	4615024.445	9394258.849	178.733
3432	0.000	87.421	108.420	8.260	8.188	4615019.714	9394250.219	178.972
3433	0.000	149.628	104.393	19.950	19.903	4615007.144	9394239.135	178.686
3434	0.000	165.726	100.961	48.940	48.935	4614984.627	9394219.191	179.323
3435	0.000	169.218	100.409	56.730	56.729	4614979.738	9394212.467	179.697
3436	1.520	20.963	103.190	15.810	15.790	4615028.399	9394260.750	177.749
3437	1.520	15.543	102.413	15.130	15.119	4615029.567	9394259.847	177.968
3438	1.520	3.050	101.669	14.490	14.485	4615032.109	9394258.316	178.161
3439	1.520	390.838	101.589	14.580	14.576	4615034.567	9394257.006	178.177
3440	1.520	136.096	110.159	11.520	11.374	4615014.800	9394244.067	176.711
3441	1.520	136.096	102.896	9.370	9.360	4615016.804	9394244.254	178.115
3442	1.520	142.773	101.927	8.470	8.466	4615017.824	9394243.459	178.285
3443	1.520	166.937	100.916	7.820	7.819	4615019.573	9394240.855	178.429
3444	1.520	190.609	100.457	8.290	8.290	4615021.298	9394238.384	178.482
3445	1.520	202.004	101.209	8.430	8.429	4615022.516	9394237.508	178.381
3446	1.520	216.096	113.002	9.170	8.979	4615024.156	9394236.364	176.681
3447	1.520	185.758	99.789	24.050	24.050	4615010.676	9394226.693	178.621
3448	1.520	189.792	100.317	24.110	24.110	4615011.838	9394225.703	178.421
3449	1.520	192.420	103.995	24.240	24.192	4615012.606	9394225.062	177.021
3450	1.520	195.277	101.229	24.350	24.346	4615013.440	9394224.345	178.071
3451	1.520	174.215	99.831	42.490	42.490	4614993.406	9394218.016	178.654
3452	1.520	171.818	99.985	42.500	42.500	4614992.400	9394219.260	178.551
3453	1.520	178.758	99.648	42.880	42.880	4614995.140	9394215.482	178.778
3454	1.520	183.056	99.567	43.280	43.279	4614996.941	9394213.165	178.836
3455	1.520	185.409	99.868	43.290	43.290	4614998.135	9394212.100	178.631
3456	1.520	172.278	100.674	62.390	62.387	4614976.896	9394206.801	177.881
3457	1.520	173.144	99.704	62.360	62.360	4614977.443	9394206.152	178.831
3458	1.520	174.319	99.651	62.300	62.299	4614978.217	9394205.299	178.883
3459	1.520	177.345	99.575	62.720	62.719	4614979.854	9394202.784	178.960
3460	1.520	180.265	99.484	63.360	63.358	4614981.393	9394200.254	179.055
3461	1.520	183.778	99.037	63.470	63.463	4614983.865	9394197.778	179.501
3462	1.520	182.474	100.492	63.410	63.409	4614982.942	9394198.693	178.051
3463	1.520	181.872	99.688	63.350	63.350	4614982.546	9394199.146	178.851

Станция: пт38(8) Ih = 1.656

Име(клас)	X	Y	H	O	V
пт39(7)	4614687.370	9394148.398	173.913	38.7762	-0.0027
пт39(7)	4614687.370	9394148.398	173.913	38.7738	-0.0003
пт37(8)	4615026.124	9394245.125	178.386	38.7733	0.0002
пт37(8)	4615026.124	9394245.125	178.386	38.7695	0.0040
пт38(8)	4614924.262	9394174.071	179.424	38.7735	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт39(7)	1.520	168.096	101.509	238.350	238.278	0.001	-0.011	-0.002
пт39(7)	1.520	168.099	101.509	238.340	238.268	-0.010	-0.003	-0.003
пт37(8)	1.520	400.002	100.609	124.200	124.192	0.004	0.002	0.014
пт37(8)	1.520	400.006	100.609	124.200	124.192	0.008	-0.004	0.014
3464	1.520	168.125	101.596	154.400	154.353	4614770.815	9394157.378	175.691
3465	1.520	170.186	101.595	154.500	154.453	4614771.336	9394152.406	175.692

3466	1.520	167.459	101.520	154.560	154.517	4614770.485	9394158.968	175.872
3467	1.520	166.240	101.460	154.590	154.550	4614770.190	9394161.912	176.016
3468	1.520	165.052	101.482	154.620	154.579	4614769.962	9394164.788	175.964
3469	1.520	163.003	101.231	154.610	154.582	4614769.740	9394169.759	176.572
3470	1.520	163.620	102.100	154.610	154.527	4614769.844	9394168.262	174.462
3471	1.520	164.527	101.524	154.550	154.507	4614769.963	9394166.065	175.862
3472	1.520	165.062	101.482	154.540	154.499	4614770.043	9394164.767	175.965
3473	1.520	164.045	101.603	123.140	123.102	4614801.281	9394168.622	176.461
3474	1.520	164.822	101.551	123.160	123.124	4614801.334	9394167.121	176.560
3475	1.520	166.304	101.503	123.090	123.057	4614801.596	9394164.267	176.655
3476	1.520	167.776	101.568	122.970	122.934	4614801.978	9394161.445	176.532
3477	1.520	168.553	101.620	122.980	122.941	4614802.134	9394159.954	176.431
3478	1.520	161.299	103.031	90.140	90.038	4614834.223	9394173.969	175.271
3479	1.520	163.066	101.671	89.930	89.900	4614834.400	9394171.474	177.201
3480	1.520	164.129	101.623	90.000	89.971	4614834.384	9394169.970	177.266
3481	1.520	166.348	101.586	89.760	89.733	4614834.819	9394166.860	177.325
3482	1.520	168.383	101.643	89.980	89.951	4614834.879	9394163.980	177.238
3483	1.520	170.505	102.700	90.110	90.030	4614835.187	9394160.996	175.741
3484	1.520	169.374	101.670	89.970	89.940	4614835.058	9394162.592	177.201
3485	1.520	161.640	101.657	58.420	58.401	4614865.862	9394173.692	178.040
3486	1.520	163.276	101.561	58.380	58.363	4614865.929	9394172.192	178.129
3487	1.520	166.484	101.536	58.080	58.063	4614866.396	9394169.281	178.159
3488	1.520	169.606	101.610	58.470	58.452	4614866.316	9394166.399	178.081
3489	1.520	171.293	101.720	58.500	58.479	4614866.512	9394164.862	177.980
3490	1.520	183.937	102.343	29.350	29.330	4614896.778	9394163.828	178.480
3491	1.520	180.708	104.653	29.170	29.092	4614896.521	9394165.307	177.430
3492	1.520	176.335	101.387	28.920	28.913	4614896.159	9394167.273	178.930
3493	1.520	173.069	101.405	28.860	28.853	4614895.906	9394168.734	178.923
3494	1.520	166.865	101.331	28.420	28.414	4614895.959	9394171.557	178.966
3495	1.520	160.060	101.375	28.710	28.703	4614895.563	9394174.597	178.940
3496	1.520	156.668	101.640	28.730	28.721	4614895.615	9394176.126	178.820
3497	1.520	153.968	104.460	28.860	28.789	4614895.659	9394177.346	177.540
3498	0.000	137.667	104.050	19.200	19.161	4614906.398	9394181.001	179.860
3499	0.000	109.896	106.078	14.400	14.335	4614914.340	9394184.417	179.707
3500	0.000	31.826	103.965	16.160	16.129	4614931.448	9394188.510	180.074
3501	0.000	5.096	102.323	32.540	32.519	4614949.360	9394194.748	179.893
3502	0.000	399.549	101.584	50.930	50.915	4614966.227	9394202.902	179.813
3503	0.000	359.168	101.470	15.270	15.266	4614939.520	9394173.577	180.727
3504	0.000	301.685	107.576	9.340	9.274	4614929.767	9394166.608	179.971
3505	0.000	220.748	109.592	11.460	11.330	4614917.533	9394164.955	179.360
3506	1.520	139.260	102.660	13.170	13.159	4614911.879	9394178.522	179.010
3507	1.520	147.269	101.929	13.130	13.124	4614911.452	9394176.925	179.162
3508	1.520	161.208	101.651	12.340	12.336	4614911.926	9394174.075	179.240
3509	1.520	176.945	101.499	12.830	12.827	4614911.824	9394170.936	179.258
3510	1.520	182.890	102.720	12.880	12.868	4614912.131	9394169.776	179.010
3511	1.520	337.736	115.188	5.330	5.179	4614929.092	9394172.203	178.300
3512	1.520	352.616	103.339	5.060	5.053	4614929.269	9394173.390	179.295
3513	1.520	367.998	101.727	4.620	4.618	4614928.854	9394174.561	179.435
3514	1.520	6.168	102.017	5.550	5.547	4614928.483	9394177.670	179.384
3515	1.520	32.066	102.804	7.520	7.513	4614927.584	9394180.809	179.229
3516	1.520	39.105	103.701	8.630	8.615	4614927.196	9394182.171	179.059
3517	1.520	39.105	106.461	9.870	9.819	4614927.605	9394183.303	178.560
3518	1.520	400.015	101.515	21.980	21.974	4614942.281	9394186.646	179.037
3519	1.520	396.192	101.224	21.750	21.746	4614942.810	9394185.423	179.142
3520	1.520	386.743	100.753	21.140	21.139	4614943.725	9394182.318	179.310
3521	1.520	378.442	100.584	21.400	21.399	4614944.883	9394179.787	179.364
3522	1.520	374.389	100.637	21.550	21.549	4614945.352	9394178.495	179.345
3523	1.520	396.709	101.705	38.470	38.456	4614956.898	9394194.412	178.530
3524	1.520	395.054	100.982	38.410	38.406	4614957.372	9394193.531	178.967
3525	1.520	392.704	100.746	38.400	38.398	4614958.060	9394192.292	179.110
3526	1.520	387.572	100.561	38.100	38.099	4614959.144	9394189.391	179.224
3527	1.520	382.451	100.367	38.210	38.210	4614960.368	9394186.575	179.340
3528	1.520	379.022	101.381	38.720	38.711	4614961.470	9394184.751	178.720
3529	1.520	381.112	100.474	38.630	38.629	4614961.022	9394185.942	179.273

Станция: пт39(7) Ih = 1.671

Име(клас)	X	Y	H	O	V

пт40(7)	4614624.393	9394024.543	169.367	6.8665	0.0017
пт40(7)	4614624.393	9394024.543	169.367	6.8655	0.0027
пт38(8)	4614924.262	9394174.071	179.424	6.8725	-0.0043
пт38(8)	4614924.262	9394174.071	179.424	6.8673	0.0009
пт39(7)	4614687.370	9394148.398	173.913	6.8682	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт40(7)	1.520	263.187	102.149	139.050	138.968	0.007	0.021	-0.005
пт40(7)	1.520	263.188	102.149	139.040	138.958	0.000	0.013	-0.005
пт38(8)	1.520	400.000	98.568	238.340	238.275	0.002	0.017	-0.003
пт38(8)	1.520	400.005	98.568	238.350	238.285	-0.006	-0.004	-0.003
3530	1.520	397.519	99.254	93.460	93.454	4614780.602	9394154.833	175.159
3531	1.520	399.939	98.640	93.330	93.309	4614780.146	9394158.356	176.059
3532	1.520	396.657	98.756	67.240	67.228	4614754.495	9394152.119	175.378
3533	1.520	399.039	98.664	67.590	67.576	4614754.655	9394154.659	175.483
3534	1.520	1.692	98.651	67.580	67.565	4614754.325	9394157.456	175.497
3535	1.520	4.554	98.572	68.310	68.293	4614754.567	9394160.586	175.596
3536	1.520	7.257	98.594	69.010	68.994	4614754.672	9394163.581	175.588
3537	1.520	8.499	98.689	69.810	69.796	4614755.142	9394165.083	175.502
3538	1.520	400.329	98.757	38.840	38.833	4614725.955	9394152.779	174.822
3539	1.520	398.395	98.766	29.900	29.895	4614717.162	9394150.867	174.643
3540	1.520	6.021	99.102	27.190	27.187	4614714.002	9394153.865	174.447
3541	1.520	13.355	98.983	27.760	27.757	4614713.738	9394157.068	174.508
3542	1.520	19.852	99.028	28.110	28.107	4614713.037	9394159.852	174.493
3543	1.520	23.746	99.371	28.370	28.369	4614712.521	9394161.520	174.344
3544	1.520	27.439	101.612	28.440	28.431	4614711.772	9394162.989	173.344
3545	0.000	16.351	99.360	61.530	61.527	4614744.850	9394170.344	176.203
3546	0.000	29.433	99.360	37.160	37.158	4614718.649	9394168.457	175.958
3547	0.000	59.266	100.996	21.510	21.508	4614698.279	9394166.933	175.248
3548	0.000	88.147	100.515	29.870	29.869	4614689.706	9394178.176	175.342
3549	1.520	35.708	99.526	18.220	18.220	4614701.665	9394159.695	174.200
3550	1.520	47.462	99.694	16.130	16.130	4614697.974	9394160.552	174.142
3551	1.520	50.342	100.158	16.690	16.690	4614697.762	9394161.458	174.023
3552	1.520	52.268	101.673	17.740	17.734	4614697.987	9394162.602	173.598
3553	1.520	69.034	98.847	15.560	15.558	4614693.119	9394162.854	174.346
3554	1.520	86.788	99.013	19.380	19.378	4614689.298	9394167.680	174.364
3555	1.520	86.285	99.506	12.020	12.020	4614688.660	9394160.348	174.157
3556	1.520	67.012	99.798	10.300	10.300	4614691.478	9394157.843	174.097
3557	1.520	45.140	99.950	8.750	8.750	4614693.359	9394154.777	174.071
3558	1.520	14.596	99.865	8.520	8.520	4614695.410	9394151.217	174.082
3559	1.520	392.958	99.557	9.790	9.790	4614697.160	9394148.371	174.132
3560	1.520	5.366	99.554	15.170	15.170	4614702.260	9394151.295	174.170
3561	1.520	388.981	98.835	19.890	19.887	4614707.215	9394147.102	174.428
3562	1.520	390.573	98.491	22.880	22.874	4614710.225	9394147.479	174.606
3563	1.520	383.386	97.807	9.160	9.155	4614696.418	9394147.002	174.379
3564	1.520	386.229	99.853	8.600	8.600	4614695.920	9394147.467	174.084
3565	1.520	142.306	102.828	3.900	3.896	4614684.651	9394151.189	173.891
3566	1.520	277.680	103.234	5.460	5.453	4614686.059	9394143.105	173.787
3567	1.520	308.254	102.026	8.370	8.366	4614689.339	9394140.267	173.798
3568	1.520	274.116	101.776	18.990	18.983	4614681.784	9394130.256	173.534
3569	1.520	262.663	101.619	18.650	18.644	4614678.784	9394131.849	173.590
3570	1.520	251.305	101.899	19.170	19.162	4614675.667	9394133.226	173.492
3571	1.520	268.048	101.659	47.750	47.734	4614669.045	9394104.322	172.820
3572	1.520	263.278	101.690	48.010	47.993	4614665.680	9394105.586	172.790
3573	1.520	259.050	101.817	48.240	48.221	4614662.770	9394106.924	172.687
3574	1.520	261.156	101.891	81.220	81.185	4614648.286	9394077.240	171.652
3575	1.520	263.880	101.823	80.920	80.887	4614651.497	9394075.900	171.748
3576	1.520	266.530	101.904	80.610	80.575	4614654.673	9394074.756	171.654

21. Оценка на точността от нормираните поправки от абриса на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-60.7 [cc]
Минимално[несъвпадение,поправка,разлика]	-0.1 [cc]
Средно аритметична стойност [pw]/n	-0.0 [cc]
Вероятна грешка |pw|[i](i=n/2)	13.5 [cc]

Средно аритметична грешка[|pw|]/n	17.2	[cc]
Асиметрия([pw^3]/n)/(m^3)	-0.1	[cc]
Ексцес ([pw^4]/n)/(m^4)-3	0.1	[cc]
Средна квадратна грешка за единица тежест	22.5	[cc]
СКГ за ед. тежест от всички несъвпадения	22.5	[cc]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.77 : 0.60		
Брой на допустимите разлики n	152	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	79	
Брой на отрицателните грешки	73	
Брой на разликите(положителни-отрицателни)	6	
Брой на допустимите разлики (при дов.в.96%)	24	

22. Оценка на точността от координатните разлики dx на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-30.2	[mm]
Минимално[несъвпадение,поправка,разлика]	0.0	[mm]
Средно аритметична стойност [pw]/n	0.9	[mm]
Вероятна грешка |pw|[i](i=n/2)	4.5	[mm]
Средно аритметична грешка[|pw|]/n	5.2	[mm]
Асиметрия([pw^3]/n)/(m^3)	0.5	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0.2	[mm]
Средна квадратна грешка за единица тежест	6.5	[mm]
СКГ за ед. тежест от всички несъвпадения	7.9	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.79 : 0.70		
Брой на допустимите разлики n	147	
Брой на недопустимите разлики m	5	
Брой на положителните грешки	85	
Брой на отрицателните грешки	62	
Брой на разликите(положителни-отрицателни)	23	
Брой на допустимите разлики (при дов.в.96%)	24	

23. Оценка на точността от координатните разлики dy на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	24.3	[mm]
Минимално[несъвпадение,поправка,разлика]	0.1	[mm]
Средно аритметична стойност [pw]/n	0.1	[mm]
Вероятна грешка |pw|[i](i=n/2)	4.0	[mm]
Средно аритметична грешка[|pw|]/n	5.4	[mm]
Асиметрия([pw^3]/n)/(m^3)	-0.0	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	0.4	[mm]
Средна квадратна грешка за единица тежест	7.0	[mm]
СКГ за ед. тежест от всички несъвпадения	7.5	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.77 : 0.57		
Брой на допустимите разлики n	150	
Брой на недопустимите разлики m	2	
Брой на положителните грешки	76	
Брой на отрицателните грешки	74	
Брой на разликите(положителни-отрицателни)	2	
Брой на допустимите разлики (при дов.в.96%)	24	

24. Оценка на точността от координатните разлики dh на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	21.1	[mm]
Минимално[несъвпадение,поправка,разлика]	0.0	[mm]
Средно аритметична стойност [pw]/n	6.5	[mm]

Вероятна грешка |pw|[i](i=n/2)	7.0 [mm]
Средно аритметична грешка[|pw|]/n	7.5 [mm]
Асиметрия([pw^3]/n)/(m^3)	1.4 [mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0.7 [mm]
Средна квадратна грешка за единица тежест	9.0 [mm]
СКГ за ед. тежест от всички несъвпадения	9.0 [mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.83 : 0.78	
Брой на допустимите разлики n	152
Брой на недопустимите разлики m	0
Брой на положителните грешки	132
Брой на отрицателните грешки	20
Брой на разликите(положителни-отрицателни)	112
Брой на допустимите разлики (при дов.в.96%)	24

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
КИИП
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Секция:
инж. ДИАН СТОЯНОВ СТОЯНО
Обработил: ...ГПГ.....
//
Части на проекта: по удостоверение за ППП
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД - СТРОИТЕЛЕН НАДЗОР
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

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#########################################################################
#                                                                       #
#            ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА ПЛАНОВА МРЕЖА                   #
#                                                                       #
#                                                 TplanWin v1.0.2 (Pipm) #
#########################################################################

                        Проект: C:\Program Files (x86)\TPLAN\BEPEH.tpl
```

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, **общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен** и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 04.07.2016г.

ДИМЕНСИИ:

Посоки и ъгли..... гради;

Поправки и ср. кв. граешки за посоки... сантисантигради;

Разстояния и координати..... метри;

Поправки и СКГ за разст. и координати.. милиметри;

Избраният модел на тежестите е:
Единицата тежест - едно насочване и отчитане
В тежестите на измерените ъгли и дължини се отчитат:
- броя на измерванията
- влиянието точността на центриране на инструмента и сигнала.
Средната квадратна грешка за единица тежест трябва да
се получи близка до проспектната точност на инструмента.

ЗАБЕЛЕЖКА:
В изравнението участват осреднените стойности от
многократните измервания (ако има такива).

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

Станция: пт1(7) - Дадена О=392.2282 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт3(7)	0.0013	0.0	392.2296	0.0	279.670	0.0	0.0	
пт2(8)	358.3209	-0.0	350.5491	38.0	99.028	5.2	0.0	*
пт3(7)	279.6718	-2.1	392.2296	0.0	279.670	0.0	5.7	
пт2(8)	99.0282	0.0	350.5491	38.0	99.028	5.2	0.0	*

Станция: пт3(7) - Дадена О=192.2294 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт1(7)	0.0012	-9.7	192.2297	0.0	279.670	0.0	11.1
пт4(8)	205.8998	11.3	398.1303	22.5	185.102	3.7	12.9
пт1(7)	279.6696	0.0	192.2297	0.0	279.670	0.0	5.7
пт4(8)	185.1040	-1.8	398.1303	22.5	185.102	3.7	3.9

Станция: пт10(7) - Дадена О=178.8502 (измерени 3 посоки и 3 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт9(8)	0.0014	65.6	178.8582	24.6	138.988	3.6	14.1	
пт12(7)	194.8018	-46.1	373.6474	0.0	316.172	0.0	9.9	
пт11(8)	256.4601	0.0	35.3103	34.0	121.810	5.2	0.0	
пт12(7)	316.1724	-0.8	373.6474	0.0	316.172	0.0	5.8	
пт9(8)	138.9883	0.2	178.8582	24.6	138.988	3.6	3.9	
пт11(8)	121.8095	0.0	35.3103	34.0	121.810	5.2	0.0	*

Станция: пт12(7) - Дадена О=173.6452 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт10(7)	0.0013	9.6	173.6475	0.0	316.172	0.0	11.5
пт13(8)	192.6351	-9.9	366.2793	21.1	279.267	3.6	11.8
пт10(7)	316.1639	7.6	173.6475	0.0	316.172	0.0	5.8
пт13(8)	279.2708	-3.6	366.2793	21.1	279.267	3.6	4.4

Станция: пт17(7) - Дадена О=171.7782 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт16(8)	0.0027	23.2	171.7832	22.5	236.697	3.5	11.6
пт18(7)	208.5238	-27.7	380.2992	0.0	162.016	0.0	13.8
пт18(7)	162.0339	-17.9	380.2992	0.0	162.016	0.0	5.3
пт16(8)	236.7017	-4.6	171.7832	22.5	236.697	3.5	4.3

Станция: пт18(7) - Дадена О=180.2941 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт17(7)	0.0013	37.8	180.2993	0.0	162.016	0.0	12.0
пт19(8)	218.6075	-33.5	398.8983	25.9	205.448	3.6	10.6
пт17(7)	162.0229	-6.9	180.2993	0.0	162.016	0.0	5.3

пт19(8)	205.4446	3.6	398.8983	25.9	205.448	3.6	4.1	

Станция: пт25(7) - Дадена O=188.8649 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт24(8)	0.0012	18.7	188.8680	26.1	201.382	3.6	10.7	
пт26(7)	196.5580	-25.2	385.4204	0.0	124.624	0.0	14.5	
пт26(7)	124.6158	8.1	385.4204	0.0	124.624	0.0	5.2	
пт24(8)	201.3790	2.8	188.8680	26.1	201.382	3.6	4.1	

Станция: пт4(8) - Нова O=198.1289 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт3(7)	0.0012	2.4	198.1304	22.5	185.102	3.7	9.9	
пт5(8)	210.0541	-2.1	8.1828	19.4	287.932	3.9	8.5	
пт3(7)	185.1035	-1.3	198.1304	22.5	185.102	3.7	3.9	
пт5(8)	287.9346	-2.5	8.1828	19.4	287.932	3.9	4.2	

Станция: пт5(8) - Нова O=208.1789 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт4(8)	0.0015	23.8	208.1828	19.4	287.932	3.9	6.0	
пт6(8)	192.5925	-32.0	0.7682	25.3	145.979	3.6	8.0	
пт4(8)	287.9326	-0.5	208.1828	19.4	287.932	3.9	4.2	
пт6(8)	145.9770	1.9	0.7682	25.3	145.979	3.6	3.9	

Станция: пт6(8) - Нова O=200.7623 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт5(8)	0.0012	45.1	200.7681	25.3	145.979	3.6	8.5	*
пт7(8)	186.2597	-68.3	387.0152	30.2	92.575	3.5	12.9	*
пт5(8)	145.9837	-4.8	200.7681	25.3	145.979	3.6	3.9	
пт7(8)	92.5768	-1.5	387.0152	30.2	92.575	3.5	3.8	

Станция: пт7(8) - Нова O=187.0070 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт6(8)	0.0005	77.3	187.0153	30.2	92.575	3.5	13.0	*
пт8(8)	186.7229	-46.6	373.7253	25.0	168.718	3.7	7.8	*
пт6(8)	92.5771	-1.7	187.0153	30.2	92.575	3.5	3.8	
пт8(8)	168.7192	-1.7	373.7253	25.0	168.718	3.7	3.9	

Станция: пт8(8) - Нова O=173.7188 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт7(8)	0.0013	52.2	173.7253	25.0	168.718	3.7	7.5	*
пт9(8)	182.4810	-44.4	356.1953	20.6	245.356	3.8	6.4	*
пт7(8)	168.7196	-2.1	173.7253	25.0	168.718	3.7	3.9	
пт9(8)	245.3567	-0.5	356.1953	20.6	245.356	3.8	4.1	

Станция: пт9(8) - Нова О=156.1900 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv	
пт8(8)	0.0009	44.1	156.1954	20.6	245.356	3.8	8.8	*
пт10(7)	222.6740	-58.8	378.8582	24.6	138.988	3.6	11.7	*
пт10(7)	138.9922	-3.7	378.8582	24.6	138.988	3.6	3.9	
пт8(8)	245.3598	-3.6	156.1954	20.6	245.356	3.8	4.1	

Станция: пт13(8) - Нова О=166.2770 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт12(7)	0.0015	8.1	166.2794	21.1	279.267	3.6	8.1
пт14(8)	200.4116	-8.9	366.6877	21.8	206.114	3.5	8.9
пт12(7)	279.2728	-5.6	166.2794	21.1	279.267	3.6	4.4
пт14(8)	206.1211	-6.7	366.6877	21.8	206.114	3.5	4.2

Станция: пт14(8) - Нова О=166.6869 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт13(8)	0.0001	7.8	166.6878	21.8	206.114	3.5	7.3
пт15(8)	202.7589	-8.6	369.4449	21.7	167.644	3.4	8.1
пт13(8)	206.1161	-1.8	166.6878	21.8	206.114	3.5	4.2
пт15(8)	167.6451	-1.3	369.4449	21.7	167.644	3.4	4.1

Станция: пт15(8) - Нова О=381.9452 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт16(8)	0.0009	-8.3	381.9454	21.1	232.166	3.5	7.0
пт14(8)	187.4988	9.6	169.4450	21.7	167.644	3.4	8.1
пт14(8)	167.6508	-6.9	169.4450	21.7	167.644	3.4	4.1
пт16(8)	232.1739	-7.6	381.9454	21.1	232.166	3.5	4.3

Станция: пт16(8) - Нова О=181.9424 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт15(8)	0.0010	20.2	181.9454	21.1	232.166	3.5	8.5
пт17(7)	189.8428	-20.0	371.7832	22.5	236.697	3.5	8.5
пт17(7)	236.7012	-4.2	371.7832	22.5	236.697	3.5	4.3
пт15(8)	232.1672	-0.9	181.9454	21.1	232.166	3.5	4.3

Станция: пт19(8) - Нова О=198.8934 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт18(7)	0.0019	30.3	198.8983	25.9	205.448	3.6	8.6
пт20(8)	189.3302	-28.5	388.2207	27.0	242.225	3.7	8.1
пт18(7)	205.4478	0.4	198.8983	25.9	205.448	3.6	4.1
пт20(8)	242.2265	-1.0	388.2207	27.0	242.225	3.7	4.2

Станция: пт20(8) - Нова О=188.2151 (измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт19(8)	0.0027	29.5	188.2208	27.0	242.225	3.7	6.6
пт21(8)	212.1016	-36.5	0.3131	26.4	154.141	3.5	8.1
пт19(8)	242.2202	5.2	188.2208	27.0	242.225	3.7	4.2
пт21(8)	154.1441	-2.7	0.3131	26.4	154.141	3.5	4.0

Станция: пт21(8) - Нова О=200.3082 (измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт20(8)	0.0014	33.2	200.3130	26.4	154.141	3.5	7.1
пт22(8)	210.3943	-29.6	10.6996	24.3	189.160	3.6	6.3
пт20(8)	154.1349	6.5	200.3130	26.4	154.141	3.5	4.0
пт22(8)	189.1563	4.1	10.6996	24.3	189.160	3.6	4.1

Станция: пт22(8) - Нова О=210.6955 (измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт21(8)	0.0017	22.4	210.6995	24.3	189.160	3.6	6.3
пт23(8)	190.4131	-23.4	1.1063	25.3	173.473	3.5	6.6
пт21(8)	189.1608	-0.3	210.6995	24.3	189.160	3.6	4.1
пт23(8)	173.4697	3.5	1.1063	25.3	173.473	3.5	4.0

Станция: пт23(8) - Нова О=201.1028 (измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт22(8)	0.0014	19.7	201.1062	25.3	173.473	3.5	7.6
пт24(8)	189.8063	-16.8	390.9074	26.1	252.229	3.7	6.5
пт22(8)	173.4729	0.4	201.1062	25.3	173.473	3.5	4.0
пт24(8)	252.2255	3.9	390.9074	26.1	252.229	3.7	4.2

Станция: пт24(8) - Нова О=388.8683 (измерени 2 посоки и 2 дължини)							
към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт25(7)	0.0014	-18.1	388.8680	26.1	201.382	3.6	8.6
пт23(8)	202.0375	16.7	190.9075	26.1	252.229	3.7	7.9
пт25(7)	201.3806	1.2	388.8680	26.1	201.382	3.6	4.1
пт23(8)	252.2290	0.3	190.9075	26.1	252.229	3.7	4.2

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 112928.3 [pff. 59]= 112928.3 |v|max= 77.3 (nor)|v|max= 98.9

Средна квадратна грешка за единица тежест Me = 29.6[cc]

Зададена точност на центриране:
- на инструмента 5.0[mm]
- на сигнала 5.0[mm]

Средната квадратна грешка за измерена посока при едно положение на тръбата с отчитане влиянието точността на

центриране на инструмента и сигнала е:
- за разстояние 50 метра mr= 69.4
- за разстояние 100 метра mr= 43.1
- за разстояние 1000 метра mr= 29.8

СПИСЪК НА ДАДЕНИТЕ ТОЧКИ

No	Име(клас)	X	Y
1	пт1(7)	4620165.669	9399279.294
2	пт3(7)	4620443.258	9399245.243
3	пт10(7)	4621625.936	9398990.923
4	пт12(7)	4621915.404	9398863.751
5	пт17(7)	4622920.357	9398375.769
6	пт18(7)	4623074.677	9398326.428
7	пт25(7)	4624480.239	9398242.787
8	пт26(7)	4624601.609	9398214.495

СПИСЪК НА НОВИТЕ ТОЧКИ

(Полуоси на елипсите на грешките при доверителна вероятност 68%)

No	Име(клас)	X	mx	Y	my	ms	Rmax	Rmin	Fi
1	пт2(8)	4620236.294	5.5	9399209.877	5.6	7.9	5.9	5.2	51.1
2	пт4(8)	4620628.280	3.7	9399239.808	6.5	7.5	6.5	3.7	96.0
3	пт5(8)	4620913.837	5.0	9399276.715	11.8	12.8	11.8	4.9	97.0
4	пт6(8)	4621059.805	5.7	9399278.477	12.7	14.0	12.9	5.3	93.9
5	пт7(8)	4621150.462	6.2	9399259.725	12.2	13.7	12.6	5.3	90.2
6	пт8(8)	4621305.013	6.0	9399192.052	9.9	11.5	10.5	4.8	85.2
7	пт9(8)	4621494.542	3.7	9399036.237	5.3	6.5	5.4	3.6	93.3
8	пт11(8)	4621729.484	5.6	9399055.074	6.2	8.4	6.5	5.2	125.1
9	пт13(8)	4622156.402	5.4	9398722.649	8.3	9.9	9.3	3.6	79.5
10	пт14(8)	4622334.937	6.8	9398619.650	11.4	13.3	12.6	4.3	81.3
11	пт15(8)	4622483.639	6.5	9398542.242	11.4	13.2	12.4	4.3	83.2
12	пт16(8)	4622706.532	4.9	9398477.279	7.6	9.1	8.4	3.5	80.8
13	пт19(8)	4623280.094	3.6	9398322.873	8.4	9.1	8.4	3.6	99.6
14	пт20(8)	4623518.185	5.0	9398278.309	15.7	16.5	15.8	4.7	96.6
15	пт21(8)	4623672.325	5.4	9398279.067	18.3	19.0	18.3	5.1	96.9
16	пт22(8)	4623858.820	5.4	9398310.710	18.3	19.1	18.4	5.1	96.7
17	пт23(8)	4624032.267	5.1	9398313.724	15.6	16.4	15.7	4.7	95.8
18	пт24(8)	4624281.928	3.7	9398277.822	8.2	9.0	8.3	3.6	95.2

Максимална ср. кв. грешка ms = 19.07 в пт22(8) пореден номер 16

Обработил:.....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
//
Секция: ГПГ
Части на проекта: по удостоверение за ППП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ГПП ЗА ТЕКУЩАТА ГОДИНА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част:
Консултант:
Управител:
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 "ЕООД * Благоевград *

```
#########################################################################
#                                                                       #
#            ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА НИВЕЛАЧНА МРЕЖА                 #
#                                                                       #
#                                                  TplanWin v1.0.2 (Pinm) #
#########################################################################
```

Проект: C:\Program Files (x86)\TPLAN\BEPEH.tpl

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, **общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен** и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 04.07.2016г.

ДИМЕНСИИ:

Коти и превишения..... метри;

Разстояния..... метри;

Поправки..... милиметри;

Средни кв. грешки за превишения..... милиметри;

ТРИГОНОМЕТРИЧНА НИВЕЛАЦИЯ

В изравнението участват усреднените стойности от многократно измерените превишения (ако има такива).
Средната квадратна грешка за единица тежест е за разстояние S=201.0m и зенитен ъгъл Z=100g.
В средната квадратна грешка за единица тежест не е включено влиянието на грешката от измерването височината на инструмента и сигнала.

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт1(7)	пт2(8)	0.9929	3.4	0.9929	3.4	-0.0	0.0	99.03
пт1(7)	пт3(7)	2.4350	7.4	2.4380	0.0	3.0	7.4	279.67
пт3(7)	пт1(7)	-2.4465	7.4	-2.4380	0.0	8.5	7.4	279.67
пт3(7)	пт4(8)	0.3248	5.2	0.3328	3.4	8.0	3.9	185.10
пт10(7)	пт11(8)	0.7184	3.8	0.7184	3.8	-0.0	0.0	121.81
пт10(7)	пт9(8)	-2.0601	4.2	-2.0563	2.8	3.7	3.1	138.99
пт10(7)	пт12(7)	-2.0115	8.3	-2.0050	0.0	6.5	8.3	316.17
пт12(7)	пт10(7)	2.0004	8.3	2.0050	0.0	4.6	8.3	316.16
пт12(7)	пт13(8)	3.4471	7.4	3.4593	4.4	12.1	5.9	279.27
пт17(7)	пт16(8)	0.3144	6.4	0.3150	4.0	0.6	5.0	236.70
пт17(7)	пт18(7)	3.2711	4.7	3.2730	0.0	1.9	4.7	162.03
пт18(7)	пт17(7)	-3.2788	4.7	-3.2730	0.0	5.8	4.7	162.02
пт18(7)	пт19(8)	1.2704	5.7	1.2817	3.7	11.2	4.3	205.44
пт25(7)	пт24(8)	-1.0084	5.6	-1.0037	3.7	4.8	4.2	201.38
пт25(7)	пт26(7)	3.8376	3.9	3.8480	0.0	10.4	3.9	124.62
пт19(8)	пт18(7)	-1.2876	5.7	-1.2817	3.7	5.9	4.3	205.45
пт19(8)	пт20(8)	5.7211	6.5	5.7303	4.1	9.2	5.0	242.23
пт20(8)	пт21(8)	2.6265	4.5	2.6344	3.0	7.9	3.3	154.14
пт20(8)	пт19(8)	-5.7324	6.5	-5.7303	4.1	2.1	5.0	242.22
пт21(8)	пт22(8)	4.3012	5.3	4.3091	3.5	8.0	4.0	189.16
пт21(8)	пт20(8)	-2.6390	4.5	-2.6344	3.0	4.6	3.3	154.13
пт22(8)	пт23(8)	1.2533	4.9	1.2607	3.3	7.4	3.7	173.47
пт22(8)	пт21(8)	-4.3125	5.3	-4.3091	3.5	3.3	4.0	189.16
пт23(8)	пт22(8)	-1.2641	4.9	-1.2607	3.3	3.3	3.7	173.47
пт23(8)	пт24(8)	-3.0465	6.8	-3.0329	4.3	13.6	5.2	252.23
пт24(8)	пт23(8)	3.0269	6.8	3.0329	4.3	6.0	5.2	252.23
пт24(8)	пт25(7)	0.9937	5.6	1.0037	3.7	9.9	4.2	201.38
пт13(8)	пт12(7)	-3.4667	7.4	-3.4593	4.4	7.4	5.9	279.27
пт13(8)	пт14(8)	4.0126	5.7	4.0241	3.7	11.5	4.3	206.12
пт14(8)	пт13(8)	-4.0328	5.7	-4.0241	3.7	8.7	4.3	206.12
пт14(8)	пт15(8)	2.6513	4.8	2.6609	3.2	9.6	3.6	167.65
пт15(8)	пт14(8)	-2.6684	4.8	-2.6609	3.2	7.6	3.6	167.65
пт15(8)	пт16(8)	1.3119	6.3	1.3208	4.0	8.9	4.9	232.17
пт16(8)	пт15(8)	-1.3262	6.3	-1.3208	4.0	5.5	4.9	232.17
пт16(8)	пт17(7)	-0.3192	6.4	-0.3150	4.0	4.2	5.0	236.70

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт4(8)	пт5(8)	-2.9317	7.6	-2.9230	4.5	8.7	6.1	287.93
пт4(8)	пт3(7)	-0.3388	5.2	-0.3328	3.4	5.9	3.9	185.10
пт5(8)	пт6(8)	1.7135	4.3	1.7183	2.9	4.8	3.2	145.98
пт5(8)	пт4(8)	2.9187	7.6	2.9230	4.5	4.3	6.1	287.93
пт6(8)	пт5(8)	-1.7217	4.3	-1.7183	2.9	3.4	3.2	145.98
пт6(8)	пт7(8)	-0.0937	3.3	-0.0879	2.2	5.8	2.4	92.58
пт7(8)	пт6(8)	0.0829	3.3	0.0879	2.2	5.0	2.4	92.58
пт7(8)	пт8(8)	-0.2388	4.8	-0.2338	3.2	5.0	3.6	168.72
пт8(8)	пт7(8)	0.2305	4.8	0.2338	3.2	3.3	3.6	168.72
пт8(8)	пт9(8)	6.2068	6.6	6.2163	4.1	9.5	5.1	245.36
пт9(8)	пт8(8)	-6.2224	6.6	-6.2163	4.1	6.2	5.1	245.36
пт9(8)	пт10(7)	2.0513	4.2	2.0563	2.8	5.0	3.1	138.99

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 4689 [pff. 18]= 4689 |v|max= 13.6

Средна квадратна грешка за единица тежест Me = 7.9[mm]

Средната квадратна грешка за измерено превишение
без да е включено влиянието на грешката от измерването
на височината на инструмента и сигнала е:
- за разстояние 50 метра mr= 2.0
- за разстояние 100 метра mr= 3.9
- за разстояние 1000 метра mr= 39.1

СПИСЪК НА ДАДЕНИТЕ РЕПЕРИ

No	Име(клас)	клас H	H
1	пт1(7)	4	223.20600
2	пт3(7)	4	225.64400
3	пт10(7)	4	232.72300
4	пт12(7)	4	230.71800
5	пт17(7)	4	241.86800
6	пт18(7)	4	245.14100
7	пт25(7)	4	258.32800
8	пт26(7)	4	262.17600

СПИСЪК НА НОВИТЕ РЕПЕРИ

No	Име(клас)	клас H	H	mH
1	пт2(8)	6	224.19886	3.38
2	пт4(8)	6	225.97682	3.41
3	пт5(8)	6	223.05380	4.93
4	пт6(8)	6	224.77207	4.97
5	пт7(8)	6	224.68414	4.92
6	пт8(8)	6	224.45038	4.59
7	пт9(8)	6	230.66666	2.82
8	пт11(8)	6	233.44137	3.82
9	пт13(8)	6	234.17728	4.42
10	пт14(8)	6	238.20139	4.86
11	пт15(8)	6	240.86225	4.82
12	пт16(8)	6	242.18300	4.00
13	пт19(8)	6	246.42268	3.70
14	пт20(8)	6	252.15295	4.98
15	пт21(8)	6	254.78738	5.22
16	пт22(8)	6	259.09652	5.26
17	пт23(8)	6	260.35723	5.02
18	пт24(8)	6	257.32434	3.65

Максимална средна квадратна грешка mh= 5.26 в т.пт22(8) 16

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД "Благоевград"

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД / СТРОИТЕЛ
Заверявам поправка по чертеж
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обработил: .....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
КИИП
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Секция: ГПГ
Части на проекта: по удостоверение за ППП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис: .....
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ПЪЛНА ТЕКУЩАТА ГОДИНА

```
##########################################################################
#                                                                        #
#                      ПОЛЯРНА ГЕОДЕЗИЧЕСКА СНИМКА                       #
#                                                                        #
#                                                 TplanWin v1.0.2 (Geosn)#
##########################################################################
```

Проект: C:\Program Files (x86)\TPLAN\ВЕРЕН.tpl

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, **общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен** и общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови

ДАТА: 04.07.2016г.

Координатна система - 1970г.

Зона..... 5

Височинна система - Балтийска

Средна квадратна грешка за посока..... 30[cc]

Константи на далекомера..... a=5, b=5, c=0

Точност на центриране на инструмента..... 5[mm]

Точност на центриране на сигнала..... 5[mm]

Средна квадратна грешка за зенитен ъгъл:.. 50[cc]

Средна квадратна грешка за превишение:.... 50[mm]

Точност на височината на инструмента:..... 5[mm]

Точност на височината на сигнала:..... 5[mm]

Брой станции с подробни точки:..... 23

Брой измерени подробни точки:..... 1049

Станция: пт1(7) Ih = 1.650

Име(клас)	X	Y	H	O	V
пт3(7)	4620443.258	9399245.243	225.644	392.2296	-0.0013
пт3(7)	4620443.258	9399245.243	225.644	392.2269	0.0013
пт2(8)	4620236.294	9399209.877	224.199	392.2282	0.0000
пт2(8)	4620236.294	9399209.877	224.199	392.2282	-0.0000
пт1(7)	4620165.669	9399279.294	223.206	392.2282	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт3(7)	1.520	400.000	99.477	279.690	279.672	-0.001	0.007	0.003
пт3(7)	1.520	400.003	99.477	279.690	279.672	-0.003	-0.004	0.003
пт2(8)	1.520	358.321	99.446	99.030	99.023	0.004	-0.003	0.000
пт2(8)	1.520	358.321	99.446	99.040	99.033	-0.003	0.004	-0.000
1	1.520	397.329	100.073	173.910	173.911	4620337.245	9399250.894	223.138
2	1.520	397.988	99.634	173.880	173.878	4620337.497	9399252.676	224.338
3	1.520	398.794	99.524	173.850	173.846	4620337.789	9399254.857	224.637
4	1.520	399.834	99.488	173.730	173.725	4620338.045	9399257.687	224.736
5	1.520	2.823	100.095	173.480	173.481	4620338.626	9399265.821	223.078
6	1.520	2.089	99.615	173.470	173.468	4620338.446	9399263.830	224.388
7	1.520	1.066	100.973	173.410	173.390	4620338.098	9399261.064	220.688
8	1.520	2.040	99.649	137.920	137.918	4620303.029	9399266.892	224.097
9	1.520	1.116	99.538	137.940	137.937	4620302.853	9399264.899	224.338
10	1.520	399.637	99.467	137.730	137.726	4620302.272	9399261.742	224.490
11	1.520	398.293	99.519	137.680	137.677	4620301.822	9399258.869	224.378
12	1.520	397.368	99.565	137.710	137.707	4620301.542	9399256.889	224.277
13	1.520	394.654	99.910	98.510	98.510	4620262.095	9399259.138	223.477
14	1.520	395.818	99.651	98.450	98.449	4620262.387	9399260.916	223.877
15	1.520	397.240	99.524	98.440	98.438	4620262.763	9399263.083	224.072
16	1.520	399.107	99.477	98.110	98.107	4620262.869	9399265.982	224.142
17	1.520	400.991	99.534	98.470	98.468	4620263.579	9399268.825	224.057
18	1.520	2.090	99.599	98.470	98.468	4620263.746	9399270.518	223.957
19	1.520	3.771	100.310	98.530	98.529	4620264.004	9399273.105	222.857
20	1.520	2.806	100.292	65.460	65.460	4620230.929	9399274.193	223.036
21	1.520	1.736	100.000	65.430	65.430	4620230.805	9399273.100	223.336
22	1.520	400.666	99.515	65.410	65.408	4620230.670	9399272.008	223.835
23	1.520	394.118	99.531	61.100	61.099	4620225.368	9399266.290	223.786
24	1.520	391.664	99.632	61.640	61.639	4620225.346	9399263.863	223.692
25	1.520	391.468	99.591	60.330	60.329	4620224.030	9399264.011	223.723
26	1.520	390.902	99.661	59.180	59.179	4620222.783	9399263.794	223.652
27	2.600	390.935	99.696	61.130	61.130	4620224.673	9399263.315	222.548
28	1.520	390.618	99.508	57.140	57.139	4620220.746	9399264.083	223.777
29	1.520	383.590	99.468	54.700	54.698	4620216.468	9399259.013	223.794
30	1.520	376.837	99.441	54.810	54.808	4620214.133	9399253.697	223.818
31	1.520	366.701	99.434	57.810	57.808	4620211.858	9399244.533	223.850
32	1.520	362.221	99.409	62.930	62.928	4620213.164	9399238.013	223.920
33	1.520	358.447	99.384	62.830	62.827	4620210.563	9399235.342	223.944
34	1.520	355.567	99.411	62.980	62.978	4620208.632	9399233.247	223.919
35	1.520	355.819	99.456	82.980	82.977	4620222.515	9399218.848	224.045
36	1.520	357.687	99.423	82.910	82.907	4620224.215	9399220.592	224.088
37	1.520	359.864	99.453	83.260	83.257	4620226.443	9399222.388	224.052
38	1.520	358.190	99.503	128.340	128.337	4620257.010	9399189.144	224.340
39	1.520	356.801	99.493	128.300	128.296	4620254.993	9399187.201	224.359
40	1.520	355.343	99.519	128.340	128.337	4620252.889	9399185.151	224.306
41	1.520	355.702	99.422	50.150	50.148	4620199.958	9399242.700	223.792
42	1.520	359.541	99.423	49.220	49.218	4620201.425	9399245.472	223.783
43	1.520	363.801	99.452	48.580	48.578	4620203.113	9399248.346	223.754
44	1.520	387.056	99.332	43.710	43.708	4620207.083	9399265.321	223.795
45	1.520	391.687	99.464	43.280	43.279	4620207.574	9399268.475	223.701
46	1.520	396.238	99.470	42.790	42.789	4620207.757	9399271.584	223.692
47	1.520	1.115	99.549	42.890	42.889	4620208.324	9399274.818	223.640
48	1.520	4.082	99.703	42.930	42.930	4620208.527	9399276.807	223.536
49	1.520	9.698	102.271	24.680	24.664	4620190.322	9399280.040	222.456
50	1.520	5.827	99.948	24.550	24.550	4620190.208	9399278.544	223.356
51	1.520	1.935	99.695	24.510	24.510	4620190.076	9399277.050	223.453
52	1.520	394.478	99.701	25.270	25.270	4620190.390	9399274.055	223.455
53	1.520	386.204	99.553	25.970	25.969	4620190.162	9399270.663	223.519
54	1.520	379.888	99.412	27.670	27.669	4620190.726	9399267.559	223.592

55	1.520	367.375	99.473	30.360	30.359	4620190.118	9399261.296	223.587
56	1.520	360.999	99.555	30.540	30.539	4620188.330	9399258.821	223.550
57	1.520	355.486	99.631	31.020	31.020	4620186.801	9399256.586	223.516
58	1.520	345.804	100.409	16.600	16.600	4620175.006	9399265.569	223.229
59	1.520	356.338	100.198	15.700	15.700	4620176.518	9399267.945	223.287
60	1.520	371.384	99.843	13.360	13.360	4620176.905	9399272.067	223.369
61	1.520	388.822	99.769	12.580	12.580	4620177.696	9399275.604	223.382
62	1.520	3.621	99.811	13.170	13.170	4620178.811	9399278.436	223.375
63	1.520	26.703	99.819	14.100	14.100	4620179.150	9399283.425	223.376
64	1.520	148.912	101.294	9.350	9.348	4620160.040	9399286.757	223.146
65	1.520	193.272	101.676	7.180	7.178	4620158.677	9399280.915	223.147
66	1.520	226.895	102.055	7.450	7.446	4620158.556	9399277.091	223.096
67	1.520	248.603	101.680	9.770	9.767	4620157.843	9399273.451	223.078
68	1.520	208.514	100.889	40.350	40.346	4620125.326	9399278.824	222.773
69	1.520	203.319	100.781	40.040	40.037	4620125.730	9399282.092	222.845
70	1.520	198.362	100.865	41.280	41.276	4620124.843	9399285.373	222.775
71	1.520	190.633	101.274	41.570	41.562	4620125.604	9399290.348	222.504
72	1.520	199.580	100.872	75.140	75.133	4620091.157	9399288.935	222.307
73	1.520	202.105	100.791	74.490	74.485	4620091.479	9399285.916	222.411
74	1.520	204.677	100.757	74.920	74.915	4620090.843	9399282.935	222.446

Станция: пт3(7) Ih = 1.624

Име(клас)	X	Y	H	O	V
пт1(7)	4620165.669	9399279.294	223.206	192.2297	-0.0003
пт1(7)	4620165.669	9399279.294	223.206	192.2272	0.0022
пт4(8)	4620628.280	9399239.808	225.977	192.2308	-0.0014
пт4(8)	4620628.280	9399239.808	225.977	192.2302	-0.0008
пт3(7)	4620443.258	9399245.243	225.644	192.2294	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт1(7)	1.520	400.000	100.582	279.690	279.670	-0.000	-0.002	0.008
пт1(7)	1.520	400.002	100.582	279.690	279.670	0.001	0.009	0.008
пт4(8)	1.520	205.900	99.925	185.110	185.104	-0.002	0.005	0.008
пт4(8)	1.520	205.900	99.925	185.110	185.104	-0.002	0.003	0.008
75	1.520	200.536	99.306	90.870	90.865	4620533.537	9399234.939	226.739
76	1.520	200.256	99.657	90.890	90.889	4620533.515	9399234.539	226.239
77	1.520	197.878	99.797	91.040	91.040	4620533.201	9399231.152	226.039
78	1.520	202.078	99.239	90.840	90.834	4620533.729	9399237.131	226.834
79	1.520	204.240	99.228	90.770	90.764	4620533.882	9399240.211	226.849
80	1.520	206.262	99.301	91.160	91.155	4620534.387	9399243.083	226.749
81	1.520	207.495	99.320	90.940	90.935	4620534.192	9399244.849	226.720
82	1.520	208.510	99.199	76.250	76.244	4620519.497	9399246.128	226.708
83	1.520	209.093	99.199	76.300	76.294	4620519.536	9399246.827	226.708
84	1.520	208.564	99.203	77.490	77.484	4620520.736	9399246.208	226.719
85	1.520	208.743	99.611	76.870	76.869	4620520.118	9399246.417	226.218
86	1.520	198.070	99.696	62.740	62.740	4620505.271	9399235.720	226.048
87	1.520	199.133	99.391	62.700	62.697	4620505.379	9399236.762	226.348
88	1.520	201.165	99.081	62.680	62.674	4620505.595	9399238.751	226.653
89	1.520	204.376	99.091	62.300	62.294	4620505.463	9399241.923	226.638
90	1.520	207.289	99.149	63.290	63.285	4620506.541	9399244.764	226.595
91	1.520	211.257	99.168	52.920	52.916	4620496.094	9399248.139	226.440
92	1.520	216.365	99.408	35.240	35.239	4620478.176	9399249.985	226.076
93	1.520	216.236	99.769	22.100	22.100	4620465.163	9399248.173	225.828
94	1.520	224.791	100.629	22.250	22.249	4620464.717	9399251.121	225.528
95	1.520	216.196	99.771	22.090	22.090	4620465.155	9399248.158	225.828
96	1.520	208.061	99.683	21.340	21.340	4620464.598	9399245.340	225.854
97	1.520	198.588	99.581	21.320	21.320	4620464.356	9399242.178	225.888
98	1.520	191.706	99.794	18.510	18.510	4620461.182	9399240.622	225.808
99	1.520	25.356	105.798	10.560	10.516	4620433.140	9399242.375	224.788
100	1.520	14.903	102.296	10.390	10.383	4620432.940	9399244.082	225.373
101	1.520	6.793	101.470	10.200	10.197	4620433.062	9399245.400	225.512
102	1.520	388.750	101.153	10.860	10.858	4620432.881	9399248.439	225.551
103	1.520	373.314	101.179	11.940	11.938	4620433.026	9399251.394	225.527
104	1.520	368.155	102.331	12.760	12.751	4620432.897	9399252.676	225.281
105	1.520	358.234	109.658	13.040	12.890	4620434.077	9399254.291	223.777
106	1.520	388.558	101.733	40.060	40.045	4620405.022	9399257.146	224.658
107	1.520	393.333	100.779	39.920	39.917	4620404.363	9399254.219	225.260

108	1.520	397.994	100.634	39.780	39.778	4620403.948	9399251.328	225.352
109	1.520	2.590	100.789	40.370	40.367	4620403.025	9399248.524	225.248
110	1.520	6.368	101.054	40.480	40.475	4620402.793	9399246.135	225.078
111	1.520	3.970	101.108	77.540	77.529	4620365.868	9399249.869	224.399
112	1.520	1.999	100.731	77.490	77.485	4620366.091	9399252.258	224.858
113	1.520	399.500	100.603	78.020	78.017	4620365.899	9399255.351	225.009
114	1.520	396.983	100.718	76.530	76.525	4620367.829	9399258.149	224.886
115	1.520	395.787	100.917	74.110	74.103	4620370.464	9399259.110	224.681

Станция: пт4(8) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт3(7)	4620443.258	9399245.243	225.644	198.1291	-0.0001
пт3(7)	4620443.258	9399245.243	225.644	198.1293	-0.0003
пт5(8)	4620913.837	9399276.715	223.054	198.1289	0.0000
пт5(8)	4620913.837	9399276.715	223.054	198.1285	0.0004
пт4(8)	4620628.280	9399239.808	225.977	198.1289	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт3(7)	1.520	400.001	100.165	185.110	185.104	0.001	-0.001	0.006
пт3(7)	1.520	400.001	100.166	185.110	185.104	0.001	-0.001	0.006
пт5(8)	1.520	210.054	100.680	287.960	287.935	-0.003	0.000	0.009
пт5(8)	1.520	210.054	100.680	287.960	287.935	-0.002	-0.001	0.009
116	1.520	7.051	99.547	66.030	66.029	4620562.470	9399234.441	226.587
117	1.520	8.592	100.318	66.090	66.089	4620562.559	9399232.843	225.787
118	1.520	11.279	97.917	66.320	66.285	4620562.718	9399230.048	228.287
119	1.520	5.411	99.350	65.960	65.957	4620562.425	9399236.142	226.790
120	1.520	2.533	99.396	65.690	65.687	4620562.597	9399239.124	226.740
121	1.520	399.579	99.510	63.830	63.828	4620564.493	9399242.105	226.609
122	1.520	397.584	99.711	63.840	63.840	4620564.585	9399244.103	226.407
123	1.520	392.622	99.117	64.190	64.184	4620564.773	9399249.100	227.007
124	1.520	385.286	99.668	34.570	34.570	4620594.877	9399248.712	226.297
125	1.520	390.794	100.783	34.150	34.148	4620594.648	9399245.719	225.697
126	1.520	392.775	99.850	34.050	34.050	4620594.577	9399244.656	226.197
127	1.520	396.516	99.669	33.990	33.990	4620594.411	9399242.663	226.294
128	1.520	1.811	99.558	33.030	33.029	4620595.251	9399239.839	226.346
129	1.520	7.527	99.418	32.820	32.819	4620595.591	9399236.896	226.417
130	1.520	10.053	99.663	32.890	32.890	4620595.662	9399235.592	226.291
131	1.520	12.957	101.606	32.900	32.890	4620595.888	9399234.109	225.287
132	0.000	23.833	97.538	31.360	31.337	4620598.790	9399229.210	228.849
133	0.000	111.121	107.336	6.340	6.298	4620629.192	9399233.576	226.908
134	1.520	31.503	102.508	5.390	5.386	4620623.468	9399237.390	225.905
135	1.520	16.940	100.770	4.660	4.660	4620623.751	9399238.715	226.060
136	1.520	377.562	101.530	5.360	5.358	4620623.308	9399241.804	225.988
137	1.520	352.144	101.942	6.860	6.857	4620623.411	9399244.635	225.908
138	1.520	341.230	103.987	8.320	8.304	4620623.468	9399246.574	225.596
139	1.520	341.370	110.314	9.420	9.297	4620622.875	9399247.372	224.597
140	1.520	341.370	102.694	12.290	12.279	4620621.141	9399249.798	225.597
141	1.520	218.315	101.322	48.150	48.140	4620674.823	9399252.104	225.117
142	1.520	216.199	101.192	48.100	48.092	4620675.159	9399250.540	225.216
143	1.520	211.929	101.177	47.940	47.932	4620675.615	9399247.349	225.231
144	1.520	208.162	101.198	48.280	48.272	4620676.317	9399244.570	225.209
145	1.520	200.357	101.157	54.480	54.471	4620682.736	9399238.512	225.127
146	1.520	200.746	101.599	58.920	58.902	4620687.173	9399238.766	224.637
147	1.520	216.586	101.428	93.610	93.587	4620719.378	9399261.247	224.017
148	1.520	214.547	101.703	93.450	93.417	4620719.852	9399258.285	223.618
149	1.520	213.865	101.363	93.400	93.379	4620720.007	9399257.296	224.118
150	1.520	212.502	101.157	93.400	93.385	4620720.366	9399255.329	224.421
151	1.520	210.531	101.114	93.460	93.446	4620720.863	9399252.479	224.482
152	1.800	208.613	100.978	93.340	93.329	4620721.087	9399249.672	224.404
153	1.800	207.590	101.111	93.390	93.376	4620721.280	9399248.184	224.207
154	1.800	207.112	101.384	93.410	93.388	4620721.352	9399247.487	223.808
155	1.800	206.568	101.111	93.440	93.426	4620721.452	9399246.694	224.207
156	1.520	207.987	101.207	131.390	131.367	4620759.042	9399252.407	223.628
157	1.520	208.714	101.112	131.390	131.370	4620758.893	9399253.900	223.823
158	1.520	210.042	101.079	131.380	131.362	4620758.562	9399256.620	223.891
159	1.520	211.424	101.127	134.280	134.259	4620761.031	9399259.878	223.741
160	1.520	212.372	101.176	134.300	134.278	4620760.736	9399261.856	223.638

161	1.520	212.989	101.141	176.850	176.822	4620802.413	9399270.531	222.949
162	1.520	212.089	101.358	176.770	176.730	4620802.739	9399268.052	222.349
163	1.520	211.621	101.142	176.720	176.692	4620802.905	9399266.762	222.949
164	1.520	210.814	101.071	176.710	176.686	4620803.226	9399264.546	223.146
165	1.520	209.861	101.041	177.020	176.997	4620803.885	9399261.962	223.226
166	1.520	208.686	101.055	173.260	173.237	4620800.526	9399258.316	223.249
167	1.520	208.098	101.165	173.280	173.252	4620800.704	9399256.727	222.949
168	1.520	207.657	101.422	173.320	173.277	4620800.843	9399255.532	222.249
169	1.520	208.511	101.016	187.350	187.327	4620814.589	9399259.311	223.130

Станция: пт5(8) Ih = 1.662

Име(клас)	X	Y	H	O	V
пт4(8)	4620628.280	9399239.808	225.977	208.1815	-0.0026
пт4(8)	4620628.280	9399239.808	225.977	208.1811	-0.0022
пт6(8)	4621059.805	9399278.477	224.772	208.1763	0.0026
пт6(8)	4621059.805	9399278.477	224.772	208.1751	0.0038
пт5(8)	4620913.837	9399276.715	223.054	208.1789	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт4(8)	1.520	400.001	99.387	287.950	287.928	-0.003	-0.013	0.004
пт4(8)	1.520	400.002	99.387	287.960	287.938	0.007	-0.010	0.004
пт6(8)	1.520	192.592	99.315	145.990	145.977	0.002	-0.006	0.005
пт6(8)	1.520	192.593	99.315	145.990	145.977	0.002	-0.008	0.005
170	1.520	199.063	99.892	88.100	88.100	4621001.368	9399286.715	223.346
171	1.520	197.040	100.326	87.950	87.949	4621001.491	9399283.917	222.746
172	1.520	195.883	99.602	87.910	87.909	4621001.567	9399282.319	223.747
173	1.520	194.724	99.455	87.880	87.877	4621001.623	9399280.720	223.948
174	1.520	192.508	99.387	87.590	87.586	4621001.418	9399277.660	224.039
175	1.520	190.430	99.411	87.620	87.617	4621001.433	9399274.800	224.006
176	1.520	189.195	99.484	87.650	87.647	4621001.410	9399273.100	223.907
177	1.520	187.309	100.646	87.760	87.756	4621001.373	9399270.500	222.306
178	1.520	189.183	99.563	62.610	62.609	4620976.392	9399274.121	223.626
179	1.520	190.402	99.561	62.570	62.569	4620976.390	9399275.321	223.627
180	1.520	193.022	99.534	62.320	62.319	4620976.145	9399277.890	223.653
181	1.520	196.290	99.601	57.460	57.459	4620971.155	9399280.745	223.556
182	1.520	197.841	99.712	57.480	57.480	4620971.060	9399282.142	223.456
183	1.520	207.595	101.961	29.540	29.526	4620942.462	9399283.956	222.286
184	1.520	203.956	103.282	29.310	29.271	4620942.578	9399282.261	221.686
185	1.520	201.131	100.240	29.170	29.170	4620942.696	9399280.966	223.086
186	1.520	198.731	99.803	29.110	29.110	4620942.776	9399279.868	223.286
201	1.520	191.761	99.787	28.880	28.880	4620942.717	9399276.688	223.293
202	1.520	186.288	99.847	29.540	29.540	4620943.266	9399274.151	223.267
203	1.520	184.130	99.849	29.520	29.520	4620943.142	9399273.158	223.266
204	1.520	180.907	100.279	29.620	29.620	4620943.023	9399271.662	223.066
205	1.520	175.595	103.466	29.960	29.916	4620942.786	9399269.173	221.566
206	1.520	35.262	101.507	9.650	9.647	4620906.350	9399270.631	222.967
207	1.520	46.656	104.025	10.130	10.110	4620907.252	9399269.045	222.556
208	1.520	43.551	101.526	10.020	10.017	4620906.949	9399269.442	222.956
209	1.520	13.472	101.463	8.910	8.908	4620905.440	9399273.744	222.991
210	1.520	393.570	101.937	9.840	9.835	4620904.005	9399276.445	222.896
211	1.520	377.602	106.159	9.050	9.008	4620905.053	9399278.711	222.322
212	1.520	377.458	105.248	12.520	12.478	4620901.676	9399279.506	222.165
213	1.520	393.613	102.932	17.520	17.501	4620896.343	9399276.223	222.389
214	1.520	394.079	102.063	19.300	19.290	4620894.559	9399276.031	222.570
215	1.520	392.104	105.478	18.850	18.780	4620895.057	9399276.632	221.576
216	1.520	395.348	100.969	39.430	39.426	4620874.472	9399274.532	222.596
217	1.520	397.933	100.645	39.390	39.388	4620874.630	9399272.940	222.797
218	1.520	2.601	100.575	38.920	38.919	4620875.475	9399270.157	222.844
219	1.520	6.716	100.549	40.290	40.289	4620874.646	9399267.375	222.848
220	1.520	9.278	100.553	40.310	40.309	4620875.035	9399265.800	222.846
221	1.520	10.766	101.028	40.260	40.255	4620875.352	9399264.912	222.546
222	1.520	6.752	101.923	72.490	72.457	4620843.364	9399259.877	221.006
223	1.520	4.994	100.694	72.440	72.436	4620842.946	9399261.834	222.406
224	1.520	3.237	100.168	72.410	72.410	4620842.588	9399263.801	223.005
225	1.520	400.781	100.160	72.320	72.320	4620842.232	9399266.571	223.015
226	1.520	398.377	100.198	73.930	73.930	4620840.299	9399269.116	222.966
227	1.520	397.085	100.456	73.920	73.918	4620840.171	9399270.610	222.666

228	1.520	396.224	101.575	73.970	73.948	4620840.066	9399271.605	221.366
229	1.520	394.079	101.056	74.130	74.120	4620839.764	9399274.087	221.966

Станция: пт6(8) Ih = 1.650

Име(клас)	X	Y	H	O	V
пт5(8)	4620913.837	9399276.715	223.054	200.7681	-0.0058
пт5(8)	4620913.837	9399276.715	223.054	200.7656	-0.0033
пт7(8)	4621150.462	9399259.725	224.684	200.7565	0.0058
пт7(8)	4621150.462	9399259.725	224.684	200.7545	0.0078
пт6(8)	4621059.805	9399278.477	224.772	200.7623	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт5(8)	1.520	400.000	100.808	146.000	145.984	0.005	-0.014	0.003
пт5(8)	1.520	400.002	100.808	146.000	145.984	0.005	-0.008	0.003
пт7(8)	1.520	186.259	100.154	92.580	92.577	-0.003	-0.008	0.006
пт7(8)	1.520	186.261	100.154	92.580	92.577	-0.004	-0.011	0.006
230	1.520	391.737	101.355	33.370	33.363	4621026.674	9399282.399	224.192
231	1.520	394.980	100.976	33.260	33.256	4621026.624	9399280.699	224.392
232	1.520	1.189	100.975	32.930	32.926	4621026.895	9399277.467	224.398
233	1.520	6.419	100.980	34.440	34.436	4621025.588	9399274.600	224.372
234	1.520	9.187	101.531	34.520	34.510	4621025.716	9399273.105	224.072
235	1.520	59.494	112.522	11.310	11.092	4621053.322	9399269.477	222.692
236	1.520	59.494	102.702	7.310	7.303	4621055.536	9399272.551	224.592
237	1.520	58.844	102.308	5.790	5.786	4621056.375	9399273.817	224.692
238	1.520	34.869	103.052	2.980	2.977	4621057.283	9399276.896	224.759
239	1.520	375.252	103.592	2.610	2.606	4621057.382	9399279.435	224.755
240	1.520	325.374	107.738	3.710	3.683	4621058.336	9399281.853	224.452
241	1.520	315.649	117.358	4.640	4.469	4621058.666	9399282.798	223.653
242	1.520	304.637	106.203	5.650	5.623	4621059.329	9399284.080	224.352
243	1.520	198.906	100.445	25.730	25.729	4621085.535	9399278.342	224.722
244	1.520	194.820	99.950	25.660	25.660	4621085.404	9399276.698	224.922
245	1.520	187.809	100.120	26.100	26.100	4621085.486	9399273.816	224.853
246	1.520	180.214	100.484	23.870	23.869	4621082.617	9399271.449	224.721
247	1.520	176.220	100.745	23.940	23.938	4621082.196	9399270.009	224.622
248	1.520	179.459	102.006	52.060	52.034	4621109.349	9399262.569	223.262
249	1.520	182.420	100.688	51.800	51.797	4621109.806	9399264.952	224.342
250	1.520	187.997	100.038	51.280	51.280	4621110.288	9399269.469	224.872
251	1.520	191.558	100.012	50.940	50.940	4621110.375	9399272.346	224.893
252	1.520	194.306	100.262	50.980	50.980	4621110.632	9399274.531	224.692
253	1.520	195.054	101.260	51.020	51.010	4621110.706	9399275.127	223.892
254	1.520	196.586	100.013	50.690	50.690	4621110.452	9399276.365	224.892

Станция: пт7(8) Ih = 1.660

Име(клас)	X	Y	H	O	V
пт6(8)	4621059.805	9399278.477	224.772	187.0153	-0.0083
пт6(8)	4621059.805	9399278.477	224.772	187.0142	-0.0072
пт8(8)	4621305.013	9399192.052	224.450	187.0028	0.0043
пт8(8)	4621305.013	9399192.052	224.450	187.0020	0.0051
пт7(8)	4621150.462	9399259.725	224.684	187.0070	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт6(8)	1.520	400.000	100.040	92.580	92.577	-0.001	-0.012	0.005
пт6(8)	1.520	400.001	100.040	92.580	92.577	-0.000	-0.011	0.005
пт8(8)	1.520	186.723	100.144	168.720	168.714	-0.001	-0.011	0.005
пт8(8)	1.520	186.723	100.144	168.730	168.724	-0.011	-0.009	0.005
257	1.520	366.284	100.122	15.660	15.660	4621138.831	9399270.212	224.794
258	1.520	374.120	103.523	15.010	14.987	4621138.183	9399268.318	223.994
259	1.520	380.092	100.995	14.720	14.718	4621137.666	9399266.998	224.594
260	1.520	387.768	100.132	14.510	14.510	4621137.076	9399265.325	224.794
261	1.520	399.384	100.382	14.510	14.510	4621136.282	9399262.803	224.737
262	1.520	12.506	100.904	14.980	14.979	4621135.484	9399259.840	224.611
263	1.520	18.867	101.312	15.040	15.037	4621135.489	9399258.340	224.514
264	1.520	25.089	107.096	15.370	15.275	4621135.462	9399256.841	223.114
265	1.520	195.375	101.434	23.540	23.534	4621173.100	9399253.295	224.294
266	1.520	191.321	100.980	23.390	23.387	4621172.507	9399251.917	224.464
267	1.520	183.574	100.800	23.850	23.848	4621171.809	9399249.093	224.524

268	1.520	176.163	100.919	24.210	24.208	4621170.730	9399246.489	224.475
269	1.520	172.221	101.444	24.250	24.244	4621169.901	9399245.238	224.274
270	1.520	167.022	105.064	24.540	24.462	4621168.819	9399243.556	222.874
271	1.520	182.322	100.722	60.000	59.996	4621203.629	9399231.926	224.144
272	1.520	184.021	100.616	59.980	59.977	4621204.335	9399233.362	224.244
273	1.520	186.564	100.588	59.590	59.588	4621204.988	9399235.692	224.274
274	1.520	189.755	100.589	59.490	59.488	4621206.030	9399238.490	224.274
275	1.520	191.252	100.909	59.540	59.534	4621206.558	9399239.787	223.974
276	1.520	190.195	100.657	95.030	95.025	4621239.459	9399226.418	223.845
277	1.520	189.323	100.462	95.000	94.998	4621238.969	9399225.212	224.135
278	1.520	187.313	100.404	95.310	95.308	4621238.120	9399222.313	224.220
279	1.520	185.306	100.427	95.400	95.398	4621236.979	9399219.531	224.185
280	1.520	184.372	100.560	95.430	95.427	4621236.406	9399218.254	223.985

Станция: пт8(8) Ih = 1.644

Име(клас)	X	Y	H	O	V
пт7(8)	4621150.462	9399259.725	224.684	173.7253	-0.0066
пт7(8)	4621150.462	9399259.725	224.684	173.7226	-0.0039
пт9(8)	4621494.542	9399036.237	230.667	173.7152	0.0035
пт9(8)	4621494.542	9399036.237	230.667	173.7134	0.0053
пт8(8)	4621305.013	9399192.052	224.450	173.7188	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт7(8)	1.520	400.000	99.961	168.720	168.715	-0.010	-0.015	0.003
пт7(8)	1.520	400.003	99.961	168.730	168.725	0.002	-0.013	0.003
пт9(8)	1.520	182.480	98.423	245.440	245.357	-0.009	-0.010	0.009
пт9(8)	1.520	182.482	98.423	245.440	245.357	-0.013	-0.015	0.009
281	1.520	180.090	98.795	168.030	168.001	4621430.696	9399080.572	227.756
282	1.520	180.848	98.720	168.020	167.987	4621432.005	9399082.086	227.954
283	1.520	181.885	98.720	167.520	167.487	4621433.396	9399084.490	227.944
284	1.520	182.160	98.699	168.400	168.365	4621434.535	9399084.483	228.017
284	1.520	183.067	98.699	168.370	168.335	4621436.032	9399086.360	228.016
285	1.520	183.370	98.718	168.370	168.336	4621436.534	9399086.984	227.967
286	1.520	185.152	99.020	140.930	140.914	4621417.527	9399107.215	226.746
287	1.520	184.700	99.245	140.900	140.891	4621416.904	9399106.433	226.246
288	1.520	183.797	98.839	140.890	140.867	4621415.660	9399104.870	227.146
289	1.520	183.550	98.816	140.880	140.856	4621415.311	9399104.447	227.196
290	1.520	181.767	98.788	140.730	140.705	4621412.699	9399101.489	227.254
291	1.520	180.617	98.815	141.620	141.596	4621411.718	9399098.974	227.212
292	1.520	179.717	98.952	141.530	141.511	4621410.328	9399097.531	226.906
293	1.520	179.125	98.995	112.750	112.736	4621388.209	9399115.974	226.355
294	1.520	180.254	98.940	112.730	112.715	4621389.529	9399117.476	226.452
295	1.520	181.940	98.894	112.770	112.753	4621391.503	9399119.715	226.534
296	1.520	183.739	98.914	113.780	113.764	4621394.306	9399121.562	226.515
297	1.520	184.299	98.998	113.780	113.766	4621394.925	9399122.348	226.365
298	1.520	184.858	99.278	113.800	113.793	4621395.555	9399123.124	225.865
299	1.520	186.255	98.999	113.900	113.886	4621397.121	9399125.073	226.365
300	1.520	185.437	99.100	82.780	82.772	4621371.325	9399142.516	225.745
301	1.520	184.284	99.100	82.800	82.792	4621370.433	9399141.310	225.745
302	1.520	181.745	99.095	83.000	82.992	4621368.511	9399138.614	225.755
303	1.520	179.153	99.129	82.630	82.623	4621366.011	9399136.323	225.705
304	1.520	178.075	99.130	82.660	82.653	4621365.080	9399135.277	225.705
305	1.520	174.769	99.785	41.530	41.530	4621333.673	9399161.997	224.715
306	1.520	177.069	99.627	41.510	41.509	4621334.725	9399163.066	224.818
307	1.520	181.482	99.509	41.240	41.239	4621336.455	9399165.368	224.892
308	1.520	185.926	99.537	41.240	41.239	4621338.240	9399167.626	224.875
309	1.520	188.084	99.846	41.310	41.310	4621339.107	9399168.726	224.675
310	1.520	188.858	101.079	41.290	41.284	4621339.367	9399169.157	223.875
311	1.520	192.685	99.847	41.520	41.520	4621340.884	9399171.143	224.675
312	1.520	198.044	101.083	12.930	12.928	4621316.690	9399186.504	224.354
313	1.520	190.640	100.103	12.840	12.840	4621315.892	9399185.233	224.554
314	1.520	176.113	100.105	12.710	12.710	4621313.976	9399183.041	224.554
315	1.520	160.443	101.245	11.770	11.768	4621311.028	9399181.938	224.344
316	1.520	149.253	102.307	11.590	11.582	4621309.102	9399181.215	224.154
317	1.520	138.816	109.003	12.200	12.078	4621307.375	9399180.207	222.855
318	1.520	18.367	102.530	13.590	13.579	4621291.538	9399193.736	224.035
319	1.520	11.323	102.065	13.450	13.443	4621291.939	9399195.181	224.138

320	1.520	398.353	101.246	11.510	11.508	4621294.594	9399196.940	224.349
321	1.520	385.462	100.912	11.480	11.479	4621295.814	9399198.918	224.410
322	1.520	374.479	101.966	11.660	11.654	4621297.008	9399200.523	224.214
323	1.520	387.336	100.476	42.810	42.809	4621269.967	9399216.637	224.255
324	1.520	389.565	101.967	42.730	42.710	4621269.211	9399215.341	223.255
325	1.520	391.055	100.776	42.670	42.667	4621268.713	9399214.475	224.055
326	1.520	393.293	100.479	42.650	42.649	4621267.962	9399213.176	224.254
327	1.520	397.592	100.387	42.740	42.739	4621266.540	9399210.667	224.315
328	1.520	2.012	100.575	43.160	43.158	4621264.952	9399208.109	224.184
329	1.520	4.810	100.943	43.230	43.225	4621264.222	9399206.356	223.934

Станция: пт9(8) Ih = 1.653

Име(клас)	X	Y	H	O	V
пт10(7)	4621625.936	9398990.923	232.723	156.1845	0.0056
пт10(7)	4621625.936	9398990.923	232.723	156.1839	0.0062
пт8(8)	4621305.013	9399192.052	224.450	156.1954	-0.0054
пт8(8)	4621305.013	9399192.052	224.450	156.1935	-0.0035
пт9(8)	4621494.542	9399036.237	230.667	156.1900	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт10(7)	1.520	222.674	99.122	139.010	138.992	-0.007	-0.010	0.005
пт10(7)	1.520	222.674	99.122	139.010	138.992	-0.008	-0.011	0.005
пт8(8)	1.520	400.000	101.650	245.450	245.360	-0.011	-0.019	0.006
пт8(8)	1.520	400.002	101.650	245.450	245.360	-0.006	-0.013	0.006
330	1.520	390.296	103.716	49.540	49.456	4621461.554	9399073.083	227.910
331	1.520	392.859	104.506	49.350	49.227	4621460.257	9399071.561	227.310
332	1.520	3.621	102.839	49.120	49.071	4621454.928	9399065.198	228.610
333	1.520	397.388	102.453	49.060	49.024	4621457.984	9399068.900	228.910
334	1.520	1.980	102.484	48.930	48.893	4621455.829	9399066.100	228.891
335	1.520	5.550	102.583	49.250	49.210	4621453.955	9399064.063	228.802
336	1.520	8.137	102.972	49.280	49.226	4621452.844	9399062.400	228.500
337	1.520	10.077	103.859	49.360	49.270	4621452.029	9399061.139	227.810
338	1.520	10.883	102.732	17.720	17.704	4621479.154	9399044.991	230.039
339	1.520	14.477	103.446	17.740	17.714	4621478.675	9399044.113	229.840
340	1.520	400.951	102.874	18.140	18.122	4621480.374	9399047.536	229.981
341	1.520	387.940	103.243	16.490	16.469	4621484.018	9399048.905	229.960
342	1.520	383.314	103.616	16.560	16.533	4621484.928	9399049.688	229.860
343	1.520	263.912	102.796	12.760	12.748	4621506.659	9399040.195	230.240
344	1.520	256.578	105.969	12.390	12.336	4621506.630	9399038.694	229.640
345	1.520	250.950	101.889	12.140	12.135	4621506.600	9399037.595	230.440
346	1.520	243.587	99.791	12.020	12.020	4621506.562	9399036.194	230.839
347	1.520	227.400	99.647	11.320	11.320	4621505.488	9399033.351	230.862
348	1.520	211.006	98.920	11.890	11.888	4621504.886	9399030.378	231.001
349	1.520	203.010	100.000	11.970	11.970	4621504.136	9399029.080	230.800
350	1.520	212.603	98.900	40.510	40.504	4621530.276	9399017.167	231.500
351	1.520	215.749	98.894	40.430	40.424	4621531.102	9399018.990	231.502
352	1.520	220.161	98.828	39.990	39.983	4621531.798	9399021.723	231.536
353	1.520	225.363	98.909	40.340	40.334	4621533.194	9399024.712	231.491
354	1.520	227.729	98.912	40.370	40.364	4621533.625	9399026.148	231.490
355	1.520	210.941	98.795	64.970	64.959	4621551.033	9399004.168	232.030
356	1.520	211.360	98.791	67.900	67.888	4621553.800	9399003.112	232.090
357	1.520	217.713	98.787	64.240	64.229	4621553.449	9399010.638	232.024
358	1.520	220.610	98.766	63.850	63.838	4621554.187	9399013.484	232.038
359	1.520	229.602	98.757	64.560	64.548	4621557.489	9399021.950	232.060
360	1.520	223.569	98.751	64.010	63.998	4621555.332	9399016.230	232.056

Станция: пт10(7) Ih = 1.642

Име(клас)	X	Y	H	O	V
пт12(7)	4621915.404	9398863.751	230.718	178.8457	0.0045
пт12(7)	4621915.404	9398863.751	230.718	178.8455	0.0047
пт9(8)	4621494.542	9399036.237	230.667	178.8582	-0.0080
пт9(8)	4621494.542	9399036.237	230.667	178.8553	-0.0051
пт11(8)	4621729.484	9399055.074	233.441	178.8500	0.0002
пт11(8)	4621729.484	9399055.074	233.441	178.8504	-0.0002
пт10(7)	4621625.936	9398990.923	232.723	178.8502	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт12(7)	1.520	194.802	100.431	316.190	316.172	-0.009	-0.020	0.007
пт12(7)	1.520	194.802	100.431	316.190	316.172	-0.010	-0.020	0.007
пт9(8)	1.520	400.000	101.000	139.010	138.988	-0.006	-0.017	0.004
пт9(8)	1.520	400.003	101.000	139.010	138.988	-0.004	-0.011	0.004
пт11(8)	1.520	256.460	99.689	121.810	121.805	0.004	0.003	0.000
пт11(8)	1.520	256.460	99.689	121.820	121.815	-0.005	-0.002	-0.000
361	1.520	8.037	100.695	64.160	64.156	4621563.136	9399004.044	232.145
362	1.520	10.021	100.694	64.230	64.226	4621562.688	9399002.094	232.145
363	1.520	15.030	100.623	46.990	46.988	4621579.165	9398995.433	232.385
364	1.520	12.326	100.626	46.810	46.808	4621579.577	9398997.390	232.385
365	1.520	7.955	100.588	46.200	46.198	4621580.727	9399000.430	232.418
366	1.520	3.874	100.571	45.870	45.868	4621581.746	9399003.218	232.434
367	1.520	399.284	100.571	45.720	45.718	4621582.888	9399006.319	232.435
368	1.520	397.194	100.571	45.720	45.718	4621583.417	9399007.724	232.435
369	1.520	10.784	100.653	36.370	36.368	4621590.049	9398996.818	232.472
370	1.520	4.875	100.526	35.330	35.329	4621591.755	9398999.856	232.553
371	1.520	398.990	100.588	34.970	34.969	4621593.065	9399002.851	232.522
372	1.520	385.388	100.484	17.100	17.100	4621611.464	9399000.031	232.715
373	1.520	390.981	100.488	16.990	16.990	4621610.819	9398998.676	232.715
374	1.520	1.759	100.629	14.760	14.759	4621611.856	9398995.349	232.699
375	1.520	14.836	100.834	14.710	14.709	4621611.299	9398992.379	232.652
376	1.520	27.159	100.991	15.870	15.868	4621610.139	9398989.427	232.598
377	1.520	35.145	100.996	15.990	15.988	4621610.333	9398987.437	232.595
378	1.520	363.518	99.838	10.250	10.250	4621619.607	9398998.986	232.871
379	1.520	282.734	98.561	16.290	16.286	4621635.178	9399004.333	233.213
380	1.520	250.525	98.937	16.460	16.458	4621640.673	9398998.250	233.120
381	1.520	254.677	98.747	23.920	23.915	4621646.611	9399002.944	233.316
382	1.520	255.114	98.919	38.200	38.195	4621658.823	9399010.347	233.494
383	1.520	264.972	98.793	38.860	38.853	4621655.942	9399015.605	233.582
384	1.520	260.385	99.096	64.630	64.624	4621678.670	9399028.277	233.763
385	1.520	254.644	99.184	64.350	64.345	4621681.579	9399023.236	233.670
386	1.520	240.073	99.622	13.440	13.440	4621638.786	9398994.859	232.925
387	1.520	247.470	100.023	6.390	6.390	4621631.788	9398993.490	232.843
388	1.520	270.487	98.927	9.210	9.209	4621632.515	9398997.366	233.000
389	1.520	280.664	99.266	5.280	5.280	4621629.072	9398995.171	232.906
390	1.520	202.153	105.198	1.910	1.904	4621627.756	9398990.363	232.689
391	1.520	183.654	102.551	5.840	5.835	4621630.788	9398987.681	232.611
392	1.520	160.517	102.662	7.280	7.274	4621630.153	9398984.996	232.541
393	1.520	133.568	102.791	8.520	8.512	4621627.586	9398982.573	232.472
394	1.520	133.651	102.232	10.560	10.554	4621627.995	9398980.572	232.475
395	1.520	133.985	102.782	8.480	8.472	4621627.633	9398982.623	232.475
396	1.520	207.688	101.205	15.270	15.267	4621640.863	9398987.718	232.556
397	1.520	196.828	101.683	21.600	21.593	4621645.972	9398982.873	232.274
398	1.520	211.303	101.636	22.190	22.183	4621647.854	9398987.506	232.275
399	1.520	193.822	101.549	28.600	28.592	4621651.934	9398979.023	232.149
400	1.520	187.489	101.604	29.050	29.041	4621651.011	9398976.273	232.113
401	1.520	180.719	101.656	29.190	29.180	4621649.427	9398973.612	232.086
402	1.520	172.046	100.562	29.450	29.449	4621647.051	9398970.395	232.585
403	1.520	200.833	100.744	62.430	62.426	4621685.210	9398971.337	232.115
404	1.520	197.775	101.974	62.250	62.220	4621684.009	9398968.587	230.915
405	1.520	194.718	101.365	62.160	62.146	4621682.802	9398965.856	231.513
406	1.520	191.944	101.319	62.620	62.607	4621682.069	9398963.198	231.548
407	1.520	188.914	101.310	64.440	64.427	4621682.278	9398959.676	231.519
408	1.520	187.431	101.314	64.460	64.447	4621681.552	9398958.362	231.515
409	1.520	185.950	102.299	64.520	64.478	4621680.807	9398957.061	230.515
410	1.520	190.215	101.561	99.550	99.520	4621713.936	9398944.444	230.406
411	1.520	191.175	101.370	99.470	99.447	4621714.562	9398945.809	230.706
412	1.520	193.454	101.328	99.370	99.349	4621716.030	9398949.052	230.772
413	1.520	195.380	101.379	99.260	99.237	4621717.153	9398951.840	230.696
414	1.520	196.022	101.424	99.240	99.216	4621717.523	9398952.770	230.626
415	1.520	195.535	101.518	127.480	127.444	4621743.203	9398941.017	229.806
416	1.520	196.134	101.617	127.540	127.499	4621743.718	9398942.102	229.606
417	1.520	197.032	102.314	127.670	127.586	4621744.475	9398943.735	228.206
418	1.520	193.863	101.434	127.550	127.518	4621741.919	9398937.924	229.973
419	1.520	192.440	101.500	129.030	128.995	4621742.034	9398934.701	229.806
420	1.520	191.946	101.550	129.010	128.972	4621741.575	9398933.813	229.706
421	1.520	193.145	101.436	158.490	158.450	4621769.301	9398923.447	229.272

422	1.520	192.743	101.515	158.460	158.416	4621768.840	9398922.557	229.077
423	1.520	191.939	101.836	158.520	158.455	4621768.001	9398920.742	228.277
424	1.520	194.289	101.349	158.310	158.275	4621770.330	9398926.105	229.493
425	1.520	195.507	101.428	158.780	158.741	4621771.972	9398928.697	229.287
426	1.520	196.228	101.567	158.820	158.772	4621772.697	9398930.344	228.937

Станция: пт12(7) Ih = 1.630

Име(клас)	X	Y	H	O	V
пт10(7)	4621625.936	9398990.923	232.723	173.6462	-0.0010
пт10(7)	4621625.936	9398990.923	232.723	173.6462	-0.0010
пт13(8)	4622156.402	9398722.649	234.177	173.6448	0.0004
пт13(8)	4622156.402	9398722.649	234.177	173.6436	0.0016
пт12(7)	4621915.404	9398863.751	230.718	173.6452	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт10(7)	1.520	400.001	99.621	316.180	316.164	-0.009	-0.002	0.005
пт10(7)	1.520	400.001	99.621	316.180	316.164	-0.009	-0.002	0.005
пт13(8)	1.520	192.635	99.241	279.300	279.271	-0.004	0.001	0.012
пт13(8)	1.520	192.636	99.241	279.300	279.271	-0.006	-0.004	0.012
427	1.520	190.842	99.427	211.200	211.192	4622094.580	9398751.955	232.731
428	1.520	191.143	99.668	211.150	211.148	4622095.068	9398752.827	231.931
429	1.520	191.595	99.367	211.170	211.160	4622095.862	9398754.098	232.932
430	1.520	192.047	99.366	211.180	211.170	4622096.646	9398755.380	232.933
431	1.520	192.963	99.329	210.630	210.619	4622097.709	9398758.274	233.053
432	1.520	193.841	99.366	207.680	207.670	4622096.574	9398762.240	232.899
433	1.520	194.209	99.396	207.700	207.691	4622097.175	9398763.278	232.801
434	1.520	194.607	99.672	207.690	207.688	4622097.797	9398764.418	231.901
435	1.520	195.066	99.366	207.720	207.710	4622098.528	9398765.724	232.901
436	1.520	194.031	99.465	163.030	163.025	4622057.862	9398784.487	232.200
437	1.520	194.499	99.543	163.020	163.016	4622058.434	9398785.541	232.000
438	1.520	192.929	99.468	162.980	162.975	4622056.426	9398782.058	232.192
439	1.520	191.663	99.483	162.880	162.875	4622054.688	9398779.321	232.152
440	1.520	191.076	99.484	162.860	162.855	4622053.886	9398778.051	232.150
441	1.520	191.281	99.542	126.500	126.497	4622023.183	9398797.531	231.739
442	1.520	190.476	99.542	126.490	126.487	4622022.329	9398796.179	231.739
443	1.520	189.973	99.945	126.520	126.520	4622021.820	9398795.318	230.939
444	1.520	189.218	99.039	126.570	126.556	4622021.030	9398794.041	232.739
445	1.520	192.857	99.525	126.360	126.357	4622024.669	9398800.290	231.772
446	1.520	194.321	99.517	126.460	126.457	4622026.186	9398802.770	231.789
447	1.520	194.988	99.517	126.480	126.477	4622026.837	9398803.925	231.789
448	1.520	195.993	99.165	126.550	126.540	4622027.823	9398805.663	232.489
449	1.520	195.895	99.661	90.080	90.079	4621995.367	9398822.277	231.309
450	1.520	194.835	99.661	90.030	90.029	4621994.622	9398820.975	231.309
451	1.520	192.588	99.661	89.910	89.909	4621992.959	9398818.267	231.307
452	1.520	190.422	99.691	89.380	89.379	4621990.920	9398815.939	231.262
453	1.520	189.353	99.694	89.360	89.359	4621990.090	9398814.689	231.259
454	1.520	184.463	99.858	58.120	58.120	4621961.388	9398828.206	230.958
455	1.520	185.557	100.735	58.070	58.066	4621961.949	9398829.034	230.158
456	1.520	186.872	99.857	58.030	58.030	4621962.627	9398830.024	230.958
457	1.520	188.848	99.858	57.970	57.970	4621963.601	9398831.539	230.957
458	1.520	191.653	99.789	57.690	57.690	4621964.733	9398833.839	231.019
459	1.520	195.563	99.770	58.210	58.210	4621966.937	9398836.681	231.038
460	1.520	196.656	99.770	58.230	58.230	4621967.412	9398837.561	231.038
461	1.520	197.748	100.535	58.280	58.278	4621967.897	9398838.436	230.338
462	1.520	199.383	98.680	58.380	58.368	4621968.611	9398839.755	232.038
463	1.520	177.126	100.168	22.680	22.680	4621931.634	9398847.909	230.768
464	1.520	181.341	100.181	22.580	22.580	4621932.571	9398849.083	230.764
465	1.520	189.563	100.171	21.710	21.710	4621933.588	9398851.891	230.770
466	1.520	200.090	100.091	21.050	21.050	4621934.688	9398855.311	230.798
467	1.520	203.105	100.090	21.120	21.120	4621935.131	9398856.208	230.798
468	1.520	78.362	101.743	7.670	7.667	4621910.156	9398858.161	230.618
469	1.520	70.314	107.155	7.220	7.174	4621909.873	9398859.181	230.018
470	1.520	60.034	101.979	6.760	6.757	4621909.571	9398860.341	230.618
471	1.520	43.067	102.059	6.400	6.397	4621909.226	9398862.091	230.621
472	1.520	12.563	101.960	5.360	5.357	4621910.172	9398864.903	230.663
473	1.520	381.952	101.422	7.020	7.018	4621910.025	9398868.259	230.671
474	1.520	368.587	101.415	7.200	7.198	4621910.971	9398869.423	230.668

475	1.520	360.286	106.438	7.530	7.492	4621911.597	9398870.203	230.068
476	1.520	349.136	98.118	8.120	8.116	4621912.561	9398871.353	231.068
477	1.520	390.107	101.327	30.230	30.224	4621889.949	9398880.045	230.198
478	1.520	393.901	100.900	30.190	30.187	4621889.055	9398878.482	230.401
479	1.520	400.408	100.902	30.440	30.437	4621887.460	9398875.816	230.397
480	1.520	6.507	100.953	30.430	30.427	4621886.444	9398873.084	230.373
481	1.520	10.039	100.962	30.440	30.437	4621885.962	9398871.467	230.368
482	1.520	8.696	101.292	58.150	58.138	4621859.488	9398879.672	229.648
483	1.520	7.056	101.843	58.050	58.026	4621860.024	9398881.073	229.148
484	1.520	5.425	101.186	57.950	57.940	4621860.567	9398882.458	229.748
485	1.520	3.228	100.967	57.930	57.924	4621861.261	9398884.334	229.948
486	1.520	399.881	100.804	57.490	57.486	4621862.818	9398886.974	230.102
487	1.520	396.629	100.854	55.750	55.745	4621865.626	9398888.845	230.080
488	1.520	395.257	100.856	55.760	55.755	4621866.170	9398889.916	230.078
489	1.520	394.119	101.540	55.830	55.814	4621866.594	9398890.821	229.478
490	1.520	392.069	100.285	55.890	55.890	4621867.426	9398892.417	230.578
491	1.520	394.667	101.952	82.200	82.162	4621843.212	9398902.979	228.308
492	1.520	396.526	100.946	82.060	82.051	4621842.196	9398900.805	229.609
493	1.520	397.757	100.792	82.050	82.044	4621841.500	9398899.380	229.807
494	1.520	400.410	100.713	81.830	81.825	4621840.281	9398896.183	229.912
495	1.520	2.675	100.838	82.240	82.233	4621838.794	9398893.638	229.747
496	1.520	3.836	101.068	82.250	82.239	4621838.257	9398892.238	229.448
497	1.520	2.721	100.833	82.170	82.163	4621838.838	9398893.558	229.754
498	1.800	3.479	101.089	118.090	118.073	4621804.872	9398905.272	228.529
499	1.800	2.723	100.550	118.050	118.046	4621805.398	9398906.572	229.529
500	1.800	1.861	100.550	118.020	118.016	4621806.016	9398908.046	229.529
501	1.520	400.354	100.688	117.740	117.734	4621807.355	9398910.511	229.556
502	1.520	398.643	100.739	117.980	117.972	4621808.433	9398913.498	229.459
503	1.520	398.103	100.874	117.990	117.979	4621808.853	9398914.406	229.209

Станция: пт13(8) Ih = 1.633

Име(клас)	X	Y	H	O	V
пт12(7)	4621915.404	9398863.751	230.718	166.2794	-0.0024
пт12(7)	4621915.404	9398863.751	230.718	166.2763	0.0007
пт14(8)	4622334.937	9398619.650	238.201	166.2750	0.0020
пт14(8)	4622334.937	9398619.650	238.201	166.2772	-0.0002
пт13(8)	4622156.402	9398722.649	234.177	166.2770	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт12(7)	1.520	400.000	100.817	279.300	279.268	-0.005	-0.010	0.007
пт12(7)	1.520	400.003	100.817	279.310	279.278	0.010	-0.003	0.007
пт14(8)	1.520	200.413	98.797	206.170	206.126	-0.013	0.001	0.011
пт14(8)	1.520	200.410	98.797	206.160	206.116	-0.001	0.002	0.012
504	1.520	389.017	101.555	34.790	34.780	4622129.852	9398745.114	233.440
505	1.520	391.764	101.563	34.680	34.670	4622128.995	9398743.880	233.439
506	1.520	397.447	101.333	34.100	34.093	4622127.697	9398741.041	233.576
507	1.520	3.164	101.588	33.980	33.970	4622126.272	9398738.336	233.443
508	1.520	5.974	102.154	34.000	33.981	4622125.599	9398736.995	233.140
509	1.520	233.471	100.992	19.250	19.248	4622175.650	9398722.572	233.990
510	1.520	228.610	104.375	18.930	18.885	4622175.227	9398721.133	232.990
511	1.520	222.656	100.341	18.650	18.650	4622174.771	9398719.423	234.190
512	1.520	216.503	99.311	18.560	18.559	4622174.287	9398717.689	234.491
513	1.520	207.296	99.089	17.630	17.628	4622172.534	9398715.539	234.543
514	1.520	195.760	99.487	17.970	17.969	4622171.271	9398712.557	234.435
515	1.520	190.299	100.566	18.000	17.999	4622170.374	9398711.301	234.130
516	1.520	181.696	100.518	18.450	18.449	4622169.026	9398709.194	234.140
517	1.520	197.817	98.895	65.670	65.660	4622211.893	9398687.548	235.431
518	1.520	199.272	98.894	65.650	65.640	4622212.664	9398688.835	235.431
519	1.520	202.258	98.825	65.360	65.349	4622213.931	9398691.648	235.497
520	1.520	205.254	98.869	65.850	65.840	4622215.768	9398694.177	235.460
521	1.520	206.415	99.062	65.820	65.813	4622216.253	9398695.275	235.261
522	1.520	196.683	99.232	103.630	103.623	4622242.975	9398665.703	235.541
523	1.520	197.604	99.545	103.550	103.548	4622243.727	9398667.001	235.031
524	1.520	198.403	99.170	103.530	103.522	4622244.396	9398668.115	235.641
525	1.520	199.756	98.803	103.530	103.512	4622245.527	9398670.003	236.238
526	1.520	201.776	98.782	103.260	103.241	4622246.915	9398672.987	236.266
527	1.520	203.692	98.820	104.140	104.122	4622249.153	9398675.333	236.221

528	1.520	204.364	98.942	104.140	104.126	4622249.651	9398676.313	236.021
529	1.520	205.404	99.431	104.130	104.126	4622250.395	9398677.842	235.221
530	1.520	206.320	99.090	104.190	104.180	4622251.079	9398679.177	235.781
531	1.520	203.359	98.805	145.400	145.375	4622285.552	9398655.909	237.022
532	1.520	202.702	98.804	145.380	145.355	4622284.840	9398654.590	237.022
533	1.520	201.366	98.764	145.700	145.673	4622283.661	9398651.754	237.120
534	1.520	199.997	98.783	145.430	145.404	4622281.875	9398649.170	237.072
535	1.520	199.337	98.827	145.410	145.386	4622281.091	9398647.884	236.972

Станция: пт14(8) Ih = 1.642

Име(клас)	X	Y	H	O	V
пт13(8)	4622156.402	9398722.649	234.177	166.6878	-0.0009
пт13(8)	4622156.402	9398722.649	234.177	166.6875	-0.0006
пт15(8)	4622483.639	9398542.242	240.862	166.6868	0.0001
пт15(8)	4622483.639	9398542.242	240.862	166.6852	0.0017
пт14(8)	4622334.937	9398619.650	238.201	166.6869	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт13(8)	1.520	400.000	101.284	206.160	206.111	-0.005	-0.001	0.009
пт13(8)	1.520	400.000	101.284	206.170	206.121	0.005	-0.006	0.009
пт15(8)	1.520	202.758	99.040	167.670	167.645	-0.001	0.001	0.010
пт15(8)	1.520	202.760	99.040	167.670	167.645	-0.003	-0.003	0.010
536	1.520	14.880	104.123	3.720	3.712	4622331.379	9398620.710	238.083
536	1.520	40.608	104.114	3.870	3.862	4622331.100	9398619.209	238.073
537	1.520	367.720	102.027	4.270	4.268	4622332.741	9398623.310	238.187
538	1.520	333.859	103.077	6.190	6.183	4622334.884	9398625.833	238.024
539	1.520	333.859	102.457	7.780	7.774	4622334.870	9398627.424	238.023
540	1.520	180.875	100.788	10.610	10.609	4622342.146	9398611.867	238.192
541	1.520	194.816	100.012	10.240	10.240	4622343.361	9398613.829	238.322
542	1.520	198.371	99.559	25.420	25.419	4622356.623	9398606.388	238.500
543	1.520	192.149	99.805	25.730	25.730	4622355.473	9398604.148	238.402
544	1.520	188.438	99.802	25.750	25.750	4622354.550	9398602.966	238.403
545	1.520	198.776	99.421	41.370	41.368	4622370.366	9398598.293	238.700
546	1.520	196.466	99.415	41.350	41.348	4622369.551	9398597.032	238.703
547	1.520	204.119	99.320	41.320	41.318	4622371.986	9398601.360	238.765
548	1.520	208.395	99.397	42.070	42.068	4622373.824	9398603.602	238.722
549	1.520	210.163	99.546	42.070	42.069	4622374.255	9398604.687	238.624
550	1.520	212.195	99.547	42.120	42.119	4622374.760	9398605.933	238.624
551	1.520	214.461	99.396	42.170	42.168	4622375.270	9398607.345	238.723
552	1.520	206.343	99.325	69.770	69.766	4622398.536	9398590.971	239.064
553	1.520	204.793	99.234	69.770	69.765	4622397.817	9398589.431	239.163
554	1.520	201.936	99.193	70.080	70.075	4622396.671	9398586.494	239.213
555	1.520	199.343	99.263	69.490	69.486	4622394.762	9398584.307	239.128
556	1.520	197.968	99.267	69.500	69.496	4622393.994	9398583.019	239.124
557	1.520	196.594	100.183	69.520	69.520	4622393.210	9398581.739	238.124
558	1.520	198.439	99.324	98.020	98.015	4622418.610	9398568.603	239.364
559	1.520	199.740	99.197	97.980	97.973	4622419.598	9398570.344	239.561
560	1.520	201.612	99.200	98.170	98.163	4622421.179	9398572.765	239.558
561	1.520	203.475	99.182	99.220	99.212	4622423.450	9398574.834	239.599
562	1.520	204.566	99.185	99.190	99.182	4622424.178	9398576.370	239.594

Станция: пт15(8) Ih = 1.654

Име(клас)	X	Y	H	O	V
пт14(8)	4622334.937	9398619.650	238.201	381.9473	-0.0021
пт14(8)	4622334.937	9398619.650	238.201	381.9451	0.0001
пт16(8)	4622706.532	9398477.279	242.183	381.9454	-0.0001
пт16(8)	4622706.532	9398477.279	242.183	381.9435	0.0018
пт15(8)	4622483.639	9398542.242	240.862	381.9452	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт14(8)	1.520	187.498	101.065	167.680	167.651	0.003	-0.008	0.008
пт14(8)	1.520	187.500	101.065	167.680	167.651	0.006	-0.003	0.008
пт16(8)	1.520	400.000	99.678	232.190	232.179	-0.012	0.005	0.009
пт16(8)	1.520	400.002	99.678	232.180	232.169	-0.004	-0.004	0.009
563	1.520	396.972	99.287	149.020	149.011	4622624.553	9398493.790	242.668
564	1.520	397.399	99.586	149.000	148.997	4622624.863	9398494.742	241.968

565	1.520	398.040	99.329	149.020	149.012	4622625.348	9398496.162	242.568
566	1.520	398.666	99.286	149.010	149.001	4622625.783	9398497.559	242.670
571	1.520	399.901	99.245	148.200	148.190	4622625.845	9398500.554	242.756
572	1.520	1.464	99.247	148.050	148.040	4622626.681	9398504.098	242.748
573	1.520	2.110	99.677	148.020	148.019	4622627.039	9398505.555	241.748
574	1.520	2.539	99.549	148.090	148.087	4622627.350	9398506.507	242.048
575	1.520	3.399	98.818	148.160	148.135	4622627.866	9398508.440	243.748
576	1.520	2.577	99.280	108.740	108.733	4622589.175	9398516.065	242.227
577	1.520	1.815	99.162	108.700	108.691	4622588.813	9398514.816	242.427
578	1.520	399.940	99.152	108.750	108.741	4622588.007	9398511.716	242.445
579	1.520	398.340	99.193	109.580	109.572	4622587.998	9398508.849	242.387
580	1.520	397.642	99.425	109.580	109.576	4622587.630	9398507.705	241.987
581	1.520	394.613	99.128	76.680	76.673	4622555.173	9398514.643	242.047
582	1.520	395.857	99.626	76.590	76.589	4622555.620	9398516.075	241.447
583	1.520	396.530	99.128	76.630	76.623	4622555.924	9398516.826	242.047
584	1.520	397.528	99.127	76.590	76.583	4622556.276	9398517.975	242.047
585	1.520	400.053	99.075	76.450	76.442	4622557.046	9398520.913	242.107
586	1.520	2.909	99.039	76.860	76.851	4622558.326	9398524.130	242.157
587	1.520	3.738	99.288	76.900	76.895	4622558.598	9398525.094	241.857
588	1.520	4.151	99.537	76.920	76.918	4622558.730	9398525.576	241.557
589	1.520	5.390	98.876	77.000	76.988	4622559.109	9398527.027	242.357
590	1.520	6.514	99.342	46.440	46.438	4622529.316	9398533.870	241.476
591	1.520	4.459	99.067	46.380	46.375	4622528.961	9398532.413	241.676
592	1.520	400.071	99.067	46.150	46.145	4622527.956	9398529.379	241.673
593	1.520	395.988	99.195	46.680	46.676	4622527.540	9398526.385	241.586
594	1.520	394.808	99.333	46.740	46.738	4622527.295	9398525.552	241.486
595	1.520	386.421	99.889	17.150	17.150	4622498.715	9398534.067	241.026
596	1.520	391.973	99.625	16.960	16.960	4622499.196	9398535.487	241.096
597	1.520	3.178	99.297	16.550	16.549	4622499.739	9398538.410	241.179
598	1.520	14.891	99.337	17.280	17.279	4622500.897	9398541.384	241.176
599	1.520	19.652	100.073	17.400	17.400	4622501.034	9398542.679	240.976
600	1.520	127.190	101.845	10.350	10.346	4622482.160	9398552.482	240.696
601	1.520	135.825	107.179	9.770	9.708	4622480.965	9398551.574	239.897
602	1.520	145.463	104.111	9.300	9.281	4622479.766	9398550.676	240.396
603	1.520	152.494	102.327	8.250	8.245	4622479.394	9398549.310	240.695
604	1.520	177.012	101.936	6.760	6.757	4622478.239	9398546.303	240.791
605	1.520	205.262	102.541	6.670	6.665	4622477.109	9398543.573	240.730
606	1.520	219.385	102.520	6.820	6.815	4622476.826	9398542.100	240.726
607	1.520	198.357	101.446	33.450	33.441	4622451.786	9398552.425	240.236
608	1.520	195.500	101.449	33.470	33.461	4622452.256	9398553.851	240.235
609	1.520	190.417	101.471	33.830	33.821	4622452.956	9398556.468	240.215
610	1.520	184.887	101.524	34.970	34.960	4622453.318	9398559.644	240.159
611	1.520	173.145	102.183	37.330	37.308	4622455.236	9398566.432	239.717
612	1.520	174.804	102.126	41.640	41.617	4622451.263	9398568.391	239.606
613	1.520	196.086	101.924	52.610	52.586	4622434.153	9398560.031	239.406
614	1.520	197.594	101.923	52.990	52.966	4622433.386	9398558.974	239.396
615	1.520	195.984	101.916	53.490	53.466	4622433.355	9398560.410	239.387
616	1.520	196.154	102.648	53.160	53.114	4622433.637	9398560.156	238.786
617	1.520	193.109	101.407	55.510	55.497	4622432.349	9398563.436	239.770
618	1.520	189.823	101.373	55.340	55.327	4622433.664	9398565.982	239.803
619	1.520	186.454	101.417	55.990	55.976	4622434.419	9398568.901	239.751

Станция: пт16(8) Ih = 1.675

Име(клас)	X	Y	H	O	V
пт17(7)	4622920.357	9398375.769	241.868	181.9411	0.0013
пт17(7)	4622920.357	9398375.769	241.868	181.9397	0.0027
пт15(8)	4622483.639	9398542.242	240.862	181.9454	-0.0031
пт15(8)	4622483.639	9398542.242	240.862	181.9433	-0.0010
пт16(8)	4622706.532	9398477.279	242.183	181.9424	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт17(7)	1.520	189.842	100.129	236.710	236.701	-0.006	-0.002	0.004
пт17(7)	1.520	189.843	100.129	236.710	236.701	-0.008	-0.007	0.004
пт15(8)	1.520	400.000	100.407	232.180	232.167	-0.002	-0.011	0.005
пт15(8)	1.520	400.002	100.407	232.180	232.167	-0.000	-0.004	0.005
620	1.520	398.512	100.026	147.180	147.180	4622566.234	9398521.761	242.279
621	1.520	400.043	100.049	146.920	146.920	4622565.455	9398518.302	242.227

622	1.520	1.243	100.093	146.750	146.750	4622564.870	9398515.590	242.126
623	1.520	1.683	99.923	111.770	111.770	4622598.438	9398505.711	242.474
624	1.520	400.073	99.883	111.700	111.700	4622599.259	9398508.416	242.545
625	1.520	398.114	99.891	111.350	111.350	4622600.601	9398511.594	242.529
626	1.520	393.701	98.953	85.110	85.099	4622627.586	9398509.049	243.738
627	1.520	395.794	100.300	84.950	84.949	4622626.724	9398506.385	241.939
628	1.520	396.394	99.850	84.930	84.930	4622626.472	9398505.626	242.539
629	1.520	397.742	99.700	84.890	84.889	4622625.928	9398503.911	242.739
630	1.520	400.151	99.675	84.560	84.559	4622625.296	9398500.752	242.770
631	1.520	2.375	99.742	84.150	84.150	4622624.922	9398497.799	242.680
632	1.520	3.585	99.818	84.160	84.160	4622624.537	9398496.246	242.579
633	1.520	4.039	100.197	84.180	84.180	4622624.384	9398495.666	242.079
634	1.520	5.399	99.743	84.240	84.240	4622623.952	9398493.919	242.679
635	1.520	9.731	99.286	47.250	47.247	4622659.688	9398483.441	242.868
636	1.520	8.655	100.634	47.200	47.198	4622659.848	9398484.224	241.868
637	1.520	7.307	99.689	47.140	47.140	4622660.063	9398485.202	242.568
638	1.520	4.284	99.560	47.080	47.079	4622660.550	9398487.385	242.663
639	1.520	400.636	99.501	46.420	46.419	4622661.840	9398489.824	242.702
640	1.520	396.194	99.537	45.070	45.069	4622664.094	9398492.454	242.666
641	1.520	393.792	99.675	45.080	45.080	4622664.687	9398494.049	242.568
642	1.520	393.087	100.240	45.080	45.080	4622664.876	9398494.511	242.168
643	1.520	390.553	98.127	45.220	45.201	4622665.485	9398496.206	243.668
644	1.520	387.961	99.929	20.270	20.270	4622688.485	9398486.509	242.361
645	1.520	392.783	99.758	20.360	20.360	4622687.755	9398485.151	242.415
646	1.520	2.635	99.637	20.320	20.320	4622686.805	9398482.153	242.454
647	1.520	13.326	99.905	20.540	20.540	4622686.048	9398478.804	242.369
648	1.520	19.520	100.524	20.640	20.639	4622685.898	9398476.805	242.168
649	1.520	138.220	107.816	11.350	11.265	4622710.040	9398466.574	240.948
650	1.520	142.532	109.142	11.110	10.996	4622710.655	9398467.086	240.748
651	1.520	150.570	104.125	10.660	10.638	4622711.731	9398467.998	241.648
652	1.520	161.855	102.362	10.510	10.503	4622713.200	9398469.165	241.948
653	1.520	180.848	101.987	9.420	9.415	4622714.384	9398472.083	242.044
654	1.520	200.570	102.409	9.230	9.223	4622715.409	9398474.777	241.989
655	1.520	214.070	102.344	9.510	9.504	4622716.017	9398476.684	241.988
656	1.520	217.980	104.949	9.660	9.631	4622716.162	9398477.267	241.588
657	1.520	226.555	102.210	10.080	10.074	4622716.516	9398478.619	241.988
658	1.520	195.982	101.642	41.090	41.076	4622745.163	9398463.319	241.278
660	1.520	165.673	102.161	14.440	14.432	4622716.347	9398466.699	241.848
661	1.520	187.329	101.765	40.750	40.734	4622742.612	9398458.371	241.208
662	1.520	184.985	101.773	40.710	40.694	4622741.857	9398457.076	241.205
663	1.520	189.422	101.624	40.550	40.537	4622743.036	9398459.653	241.304
664	1.520	193.707	101.638	40.760	40.747	4622744.334	9398462.070	241.290
665	1.520	196.049	101.639	40.780	40.767	4622744.886	9398463.464	241.288
666	1.520	193.549	101.359	72.130	72.114	4622773.367	9398450.196	240.799
667	1.520	192.207	101.362	72.140	72.124	4622772.791	9398448.790	240.796
668	1.520	189.685	101.361	71.820	71.804	4622771.321	9398446.326	240.803
669	1.520	187.234	101.491	72.600	72.580	4622770.769	9398443.494	240.638
670	1.520	185.829	101.491	72.600	72.580	4622770.008	9398442.085	240.638
671	1.520	184.535	103.317	95.420	95.291	4622788.913	9398429.387	237.369
672	1.520	185.870	101.652	95.220	95.188	4622789.810	9398431.175	239.869
673	1.520	186.872	101.318	95.180	95.160	4622790.500	9398432.505	240.369
674	1.520	187.877	101.320	95.170	95.150	4622791.187	9398433.841	240.365
675	1.520	189.748	101.254	95.530	95.512	4622792.754	9398436.192	240.457
676	1.520	192.045	101.233	96.040	96.022	4622794.649	9398439.126	240.479
677	1.520	193.040	101.232	96.080	96.062	4622795.271	9398440.492	240.479

Станция: пт17(7) Ih = 1.685

Име(клас)	X	Y	H	O	V
пт18(7)	4623074.677	9398326.428	245.141	171.7767	0.0015
пт18(7)	4623074.677	9398326.428	245.141	171.7741	0.0041
пт16(8)	4622706.532	9398477.279	242.183	171.7832	-0.0051
пт16(8)	4622706.532	9398477.279	242.183	171.7777	0.0004
пт17(7)	4622920.357	9398375.769	241.868	171.7782	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт18(7)	1.800	208.523	98.671	162.070	162.029	-0.013	0.001	0.002
пт18(7)	1.800	208.525	98.671	162.080	162.039	-0.025	-0.003	0.002

пт16(8)	1.520	400.000	99.961	236.710	236.702	-0.004	-0.019	0.001
пт16(8)	1.520	400.005	99.961	236.710	236.702	0.005	-0.001	0.001
678	1.520	206.932	98.844	99.700	99.684	4623014.518	9398343.051	243.844
679	1.520	208.018	98.799	99.670	99.653	4623015.033	9398344.671	243.914
680	1.520	209.995	98.755	99.450	99.431	4623015.740	9398347.688	243.979
681	1.520	211.707	98.785	99.900	99.882	4623016.897	9398350.147	243.940
682	1.520	212.662	98.783	99.880	99.862	4623017.251	9398351.603	243.944
683	1.520	214.805	98.825	70.450	70.438	4622989.237	9398361.033	243.333
684	1.520	213.359	98.829	70.430	70.418	4622988.865	9398359.478	243.329
685	1.520	210.777	98.801	70.020	70.008	4622987.753	9398356.825	243.352
686	1.520	208.144	98.868	69.250	69.239	4622986.181	9398354.292	243.264
687	1.520	206.673	98.870	69.290	69.279	4622985.705	9398352.764	243.263
688	1.520	201.560	98.973	38.450	38.445	4622955.480	9398360.135	242.653
689	1.520	202.882	100.133	38.380	38.380	4622955.737	9398360.892	241.953
690	1.520	204.869	99.302	38.290	38.288	4622956.097	9398362.037	242.453
691	1.520	208.196	98.961	38.250	38.245	4622956.725	9398363.936	242.657
692	1.520	212.517	98.945	38.330	38.325	4622957.522	9398366.410	242.669
693	1.520	218.715	99.002	37.350	37.346	4622957.287	9398370.212	242.618
694	1.520	228.782	99.203	25.570	25.568	4622945.924	9398375.994	242.353
695	1.520	231.251	103.171	25.710	25.678	4622946.006	9398376.990	240.753
696	1.520	187.695	104.856	3.810	3.799	4622923.412	9398373.511	241.743
697	1.520	219.093	101.663	3.330	3.329	4622923.652	9398375.293	241.946
698	1.520	258.085	100.642	4.830	4.830	4622924.665	9398377.952	241.984
699	1.520	285.746	101.435	6.780	6.778	4622924.551	9398381.094	241.880
700	1.520	298.092	102.851	8.010	8.002	4622924.004	9398382.891	241.674
701	1.520	12.939	102.567	8.930	8.923	4622911.690	9398377.890	241.673
702	1.520	7.336	102.301	23.520	23.505	4622898.106	9398383.343	241.183
703	1.520	2.999	101.772	23.430	23.421	4622898.750	9398384.808	241.381
704	1.520	396.386	101.691	23.640	23.632	4622899.619	9398387.100	241.405
705	1.520	387.548	101.921	24.010	23.999	4622901.092	9398390.080	241.309
706	1.520	339.330	102.301	8.380	8.375	4622918.903	9398384.016	241.730
707	1.520	387.601	102.321	30.450	30.430	4622895.914	9398393.895	240.923
708	1.520	391.225	102.102	49.370	49.343	4622879.114	9398402.857	240.403
709	1.520	393.211	101.977	49.290	49.266	4622878.355	9398401.518	240.503
710	1.520	395.150	101.719	49.260	49.242	4622877.611	9398400.215	240.703
711	1.520	398.280	101.579	48.830	48.815	4622876.842	9398397.891	240.822
712	1.520	1.918	101.671	49.310	49.293	4622875.212	9398395.561	240.739
713	1.520	3.853	101.665	49.340	49.323	4622874.603	9398394.192	240.743
714	1.520	5.144	102.050	49.380	49.355	4622874.210	9398393.271	240.443
715	1.520	3.156	101.730	79.860	79.831	4622846.635	9398406.396	239.864
716	1.520	1.401	101.493	79.810	79.788	4622847.546	9398408.398	240.162
717	1.520	399.608	101.376	80.240	80.222	4622848.103	9398410.624	240.300
718	1.520	397.289	101.413	80.090	80.071	4622849.554	9398413.162	240.256
719	1.520	394.905	101.652	80.140	80.113	4622850.967	9398415.808	239.954
720	1.520	397.191	101.217	94.560	94.543	4622836.825	9398420.050	240.226
721	1.520	3.749	103.069	104.380	104.259	4622823.707	9398414.869	237.004
722	1.520	2.283	101.423	104.230	104.204	4622824.683	9398417.061	239.704
723	1.520	1.309	101.241	104.180	104.161	4622825.366	9398418.503	240.004
724	1.520	399.697	101.091	104.880	104.865	4622825.844	9398421.200	240.237
725	1.520	397.973	101.075	105.040	105.025	4622826.966	9398423.815	240.261
726	1.800	394.589	100.939	113.270	113.258	4622822.540	9398432.859	240.084
727	1.800	396.276	100.883	113.240	113.229	4622821.087	9398430.234	240.184
728	1.800	398.365	101.127	133.850	133.829	4622800.978	9398436.259	239.384
729	1.800	396.938	100.652	133.790	133.783	4622802.404	9398438.897	240.384

Станция: пт18(7) Ih = 1.674

Име(клас)	X	Y	H	O	V
пт17(7)	4622920.357	9398375.769	241.868	180.2993	-0.0051
пт17(7)	4622920.357	9398375.769	241.868	180.2966	-0.0024
пт19(8)	4623280.094	9398322.873	246.423	180.2910	0.0032
пт19(8)	4623280.094	9398322.873	246.423	180.2906	0.0036
пт18(7)	4623074.677	9398326.428	245.141	180.2941	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт17(7)	1.520	400.000	101.349	162.070	162.028	0.007	-0.016	0.006
пт17(7)	1.520	400.003	101.349	162.060	162.018	-0.000	-0.007	0.006
пт19(8)	1.520	218.607	99.655	205.450	205.440	0.008	-0.010	0.011

пт19(8)	1.520	218.608	99.655	205.460	205.450	-0.002	-0.011	0.011
730	1.520	4.611	101.420	33.630	33.622	4623041.996	9398334.326	244.545
731	1.520	1.770	101.416	33.640	33.632	4623042.371	9398335.778	244.547
732	1.520	395.670	101.328	33.500	33.493	4623043.543	9398338.775	244.596
733	1.520	390.456	101.433	33.770	33.762	4623044.417	9398341.400	244.535
734	1.520	387.629	101.620	33.800	33.789	4623045.087	9398342.742	244.435
735	1.520	362.643	103.793	13.770	13.746	4623066.093	9398337.164	244.475
736	1.520	357.216	106.453	14.030	13.958	4623066.920	9398338.032	243.875
737	1.520	349.556	104.901	14.560	14.517	4623068.117	9398339.378	244.175
738	1.520	371.932	102.436	13.650	13.640	4623064.701	9398335.730	244.773
739	1.520	383.792	101.831	12.240	12.235	4623064.338	9398332.970	244.943
740	1.520	1.064	101.497	11.610	11.607	4623063.564	9398329.778	245.022
741	1.520	19.413	106.633	12.210	12.144	4623062.533	9398326.484	244.025
742	1.520	201.666	102.517	4.890	4.886	4623079.368	9398325.062	245.102
743	1.520	221.610	101.594	5.760	5.758	4623080.433	9398326.600	245.151
744	1.520	250.909	101.146	6.770	6.769	4623080.649	9398329.614	245.173
745	1.520	266.435	101.942	8.430	8.426	4623080.933	9398332.072	245.038
746	1.520	266.434	102.801	10.460	10.450	4623082.436	9398333.428	244.835
747	1.520	226.929	100.699	34.610	34.608	4623109.062	9398330.346	244.915
748	1.520	223.986	100.141	34.600	34.600	4623109.199	9398328.752	245.219
749	1.520	218.577	99.980	34.600	34.600	4623109.272	9398325.814	245.306
750	1.520	212.838	99.852	34.440	34.440	4623108.917	9398322.719	245.375
751	1.520	210.073	100.000	34.530	34.530	4623108.813	9398321.223	245.295
752	1.520	208.243	101.378	34.650	34.642	4623108.759	9398320.224	244.545
753	1.520	206.433	100.457	34.800	34.799	4623108.723	9398319.225	245.045
754	1.520	213.004	99.851	59.680	59.680	4623134.027	9398320.157	245.435
755	1.520	214.711	99.853	59.660	59.660	4623134.153	9398321.752	245.433
756	1.520	217.784	99.872	59.210	59.210	4623133.860	9398324.641	245.415
757	1.520	220.847	99.959	58.940	58.940	4623133.608	9398327.484	245.333
758	1.520	222.575	100.065	58.950	58.950	4623133.567	9398329.083	245.235
759	1.520	221.984	100.021	92.570	92.570	4623167.188	9398329.739	245.266
760	1.520	220.264	99.849	92.510	92.510	4623167.183	9398327.239	245.516
761	1.520	218.411	99.815	92.460	92.460	4623167.118	9398324.547	245.564
762	1.520	216.642	99.868	91.570	91.570	4623166.141	9398322.022	245.486
763	1.520	215.251	100.007	91.590	91.590	4623166.043	9398320.024	245.286
764	1.520	213.169	100.562	91.720	91.717	4623165.911	9398317.026	244.486
765	1.520	217.718	99.828	122.420	122.420	4623197.037	9398322.605	245.626
766	1.520	216.678	99.984	122.430	122.430	4623196.969	9398320.606	245.326
767	1.520	218.956	99.754	122.270	122.269	4623196.938	9398324.987	245.768
768	1.520	220.383	99.761	122.640	122.639	4623197.310	9398327.732	245.756
769	1.520	221.162	99.865	122.660	122.660	4623197.305	9398329.233	245.556

Станция: пт19(8) Ih = 1.641

Име(клас)	X	Y	H	O	V
пт18(7)	4623074.677	9398326.428	245.141	198.8983	-0.0050
пт18(7)	4623074.677	9398326.428	245.141	198.8944	-0.0011
пт20(8)	4623518.185	9398278.309	252.153	198.8908	0.0026
пт20(8)	4623518.185	9398278.309	252.153	198.8902	0.0032
пт19(8)	4623280.094	9398322.873	246.423	198.8934	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт18(7)	1.520	400.000	100.437	205.460	205.448	-0.001	-0.017	0.006
пт18(7)	1.520	400.004	100.437	205.460	205.448	-0.000	-0.004	0.006
пт20(8)	1.520	189.330	98.530	242.300	242.226	-0.003	-0.009	0.009
пт20(8)	1.520	189.330	98.530	242.300	242.226	-0.003	-0.011	0.009
770	1.520	3.014	100.843	68.680	68.674	4623211.451	9398320.815	245.634
771	1.520	1.345	100.751	68.650	68.645	4623211.450	9398322.615	245.734
772	1.520	399.211	100.649	68.680	68.677	4623211.448	9398324.918	245.843
773	1.520	396.687	100.649	67.890	67.887	4623212.371	9398327.582	245.852
774	1.520	394.999	100.834	67.920	67.914	4623212.492	9398329.379	245.654
775	1.520	389.787	100.848	36.050	36.047	4623244.616	9398329.248	246.064
776	1.520	392.438	100.850	36.000	35.997	4623244.431	9398327.760	246.063
777	1.520	397.350	100.916	35.310	35.306	4623244.849	9398324.955	246.036
778	1.520	1.608	101.074	35.240	35.235	4623244.860	9398322.595	245.950
779	1.520	5.220	101.245	35.270	35.263	4623244.905	9398320.596	245.854
780	1.520	367.785	100.823	11.600	11.599	4623270.048	9398328.670	246.394
781	1.520	363.978	105.167	11.720	11.681	4623270.344	9398329.306	245.594

782	1.520	358.223	102.397	11.950	11.942	4623270.761	9398330.322	246.094
783	1.520	375.776	100.849	11.550	11.549	4623269.448	9398327.348	246.390
784	1.520	391.406	101.576	10.390	10.387	4623269.828	9398324.449	246.287
785	1.520	7.206	102.388	10.530	10.523	4623269.620	9398321.866	246.149
786	1.520	19.165	103.504	10.720	10.704	4623269.818	9398319.877	245.954
787	1.520	227.231	100.000	10.380	10.380	4623289.613	9398327.014	246.544
788	1.520	230.265	103.714	10.460	10.442	4623289.460	9398327.490	245.934
789	1.520	236.090	101.249	10.700	10.698	4623289.217	9398328.460	246.334
790	1.520	217.883	99.411	10.260	10.260	4623290.000	9398325.545	246.639
791	1.520	217.558	99.411	10.260	10.260	4623290.013	9398325.495	246.639
792	1.520	200.294	99.560	9.180	9.180	4623289.274	9398322.755	246.607
793	1.520	181.947	100.665	9.350	9.350	4623289.024	9398320.101	246.446
794	1.520	168.461	102.007	9.520	9.515	4623288.386	9398318.204	246.244
795	1.520	184.531	99.433	28.050	28.049	4623307.198	9398315.652	246.794
796	1.520	187.939	99.208	28.010	28.008	4623307.505	9398317.121	246.892
797	1.520	193.463	98.928	28.240	28.236	4623308.127	9398319.491	247.019
798	1.520	199.867	98.939	28.800	28.796	4623308.885	9398322.312	247.024
799	1.520	203.183	99.161	28.830	28.828	4623308.907	9398323.813	246.924
800	1.520	187.831	98.783	60.680	60.669	4623339.449	9398310.312	247.704
801	1.520	186.260	99.067	60.740	60.734	4623339.184	9398308.836	247.434
802	1.520	184.170	99.801	60.870	60.870	4623338.823	9398306.869	246.734
803	1.520	190.855	98.735	60.520	60.508	4623339.820	9398313.171	247.746
804	1.520	194.283	98.806	59.870	59.860	4623339.611	9398316.468	247.667
805	1.520	195.878	98.916	59.890	59.881	4623339.774	9398317.959	247.564
806	1.520	195.385	98.894	91.550	91.536	4623371.261	9398314.657	248.134
807	1.520	194.135	99.311	91.470	91.465	4623371.011	9398312.876	247.534
808	1.520	193.647	98.685	91.480	91.461	4623370.928	9398312.180	248.434
809	1.520	192.604	98.613	91.450	91.429	4623370.709	9398310.697	248.536
810	1.520	190.358	98.558	91.490	91.467	4623370.261	9398307.502	248.616
811	1.520	188.361	98.582	91.610	91.588	4623369.852	9398304.657	248.584
812	1.520	187.319	98.632	91.660	91.639	4623369.593	9398303.180	248.514
813	1.520	186.277	99.396	91.670	91.666	4623369.285	9398301.712	247.414
814	1.520	185.237	99.258	91.770	91.764	4623369.022	9398300.234	247.614

Станция: пт20(8) Ih = 1.651

Име(клас)	X	Y	H	O	V
пт19(8)	4623280.094	9398322.873	246.423	188.2195	-0.0043
пт19(8)	4623280.094	9398322.873	246.423	188.2167	-0.0015
пт21(8)	4623672.325	9398279.067	254.787	188.2114	0.0037
пт21(8)	4623672.325	9398279.067	254.787	188.2116	0.0035
пт20(8)	4623518.185	9398278.309	252.153	188.2151	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт19(8)	1.520	400.001	101.542	242.300	242.220	-0.008	-0.016	0.002
пт19(8)	1.520	400.004	101.542	242.300	242.220	-0.006	-0.005	0.002
пт21(8)	1.520	212.102	98.970	154.170	154.144	-0.003	-0.009	0.008
пт21(8)	1.520	212.101	98.970	154.170	154.144	-0.003	-0.008	0.008
815	1.520	396.647	101.560	114.680	114.646	4623406.766	9398305.315	249.475
816	1.520	397.480	101.560	114.700	114.666	4623406.402	9398303.859	249.475
817	1.520	399.229	101.511	114.660	114.628	4623405.780	9398300.771	249.564
818	1.520	400.870	101.544	114.650	114.617	4623405.249	9398297.865	249.505
819	1.520	1.814	101.655	114.670	114.632	4623404.957	9398296.190	249.305
820	1.520	393.872	101.672	84.140	84.111	4623437.382	9398301.665	250.075
821	1.520	394.478	102.278	84.150	84.096	4623437.178	9398300.892	249.275
822	1.520	395.614	101.749	84.080	84.048	4623436.834	9398299.431	249.975
823	1.520	396.674	101.522	84.060	84.036	4623436.506	9398298.070	250.275
824	1.520	399.043	101.464	83.120	83.098	4623436.746	9398294.831	250.373
825	1.520	1.324	101.514	82.870	82.847	4623436.455	9398291.861	250.314
826	1.520	2.400	101.591	82.860	82.834	4623436.249	9398290.476	250.214
827	1.520	3.169	102.281	82.900	82.847	4623436.096	9398289.488	249.314
828	1.520	3.936	101.896	82.930	82.893	4623435.921	9398288.503	249.814
829	1.520	3.752	101.625	51.730	51.713	4623466.883	9398284.817	250.964
830	1.520	1.906	101.503	51.700	51.686	4623467.121	9398286.298	251.064
831	1.520	398.417	101.479	51.280	51.266	4623468.045	9398288.995	251.093
832	1.520	394.572	101.580	50.570	50.555	4623469.468	9398291.813	251.029
833	1.520	392.684	101.711	50.620	50.602	4623469.844	9398293.265	250.924
834	1.520	372.607	102.703	20.020	20.002	4623501.853	9398289.856	251.434

835	1.520	375.749	104.330	19.860	19.814	4623501.462	9398288.936	250.934
836	1.520	379.004	102.746	19.710	19.692	4623501.047	9398288.007	251.434
837	1.520	385.481	101.770	19.590	19.582	4623500.251	9398286.172	251.739
838	1.520	394.910	101.494	19.130	19.125	4623499.729	9398283.320	251.835
839	1.520	4.177	101.705	19.760	19.753	4623498.573	9398280.664	251.755
840	1.520	9.192	102.343	19.840	19.827	4623498.375	9398279.117	251.554
841	1.520	10.477	103.942	19.880	19.842	4623498.348	9398278.717	251.054
842	1.520	16.782	104.829	20.190	20.132	4623498.115	9398276.731	250.754
843	1.520	264.845	99.996	14.440	14.440	4623527.894	9398288.999	252.285
844	1.520	251.340	99.882	17.470	17.470	4623532.390	9398288.479	252.316
845	1.520	231.413	100.170	13.760	13.760	4623531.297	9398282.485	252.247
846	1.520	216.762	99.676	12.640	12.640	4623530.787	9398279.296	252.348
847	1.520	201.984	99.605	10.960	10.960	4623529.016	9398276.629	252.352
848	1.520	190.483	101.887	11.140	11.135	4623528.703	9398274.653	251.954
849	1.520	182.204	105.160	11.490	11.452	4623528.423	9398273.177	251.354
850	1.520	203.253	104.145	38.420	38.339	4623556.180	9398273.187	249.784
851	1.520	205.743	99.169	38.290	38.287	4623556.300	9398274.681	252.784
852	1.520	210.302	99.067	38.120	38.116	4623556.291	9398277.421	252.843
853	1.520	216.305	99.318	42.020	42.018	4623560.097	9398281.290	252.734
854	1.520	214.032	99.162	41.980	41.976	4623560.136	9398279.790	252.837
855	1.520	217.472	98.934	68.090	68.081	4623585.995	9398284.383	253.424
856	1.520	216.133	99.963	67.990	67.990	4623586.017	9398282.949	252.324
857	1.520	215.197	99.307	67.950	67.946	4623586.034	9398281.950	253.024
858	1.520	213.504	99.053	67.900	67.893	4623586.053	9398280.143	253.294
859	1.520	210.889	98.954	67.900	67.891	4623586.070	9398277.354	253.399
860	1.520	207.979	98.976	69.010	69.001	4623587.063	9398274.187	253.394
861	1.520	206.780	99.281	69.030	69.026	4623586.998	9398272.889	253.064
862	1.520	205.858	99.926	69.050	69.050	4623586.936	9398271.890	252.364
863	1.520	208.958	99.059	100.120	100.109	4623618.196	9398273.865	253.765
864	1.520	209.912	98.998	100.050	100.038	4623618.180	9398275.367	253.859
865	1.520	211.847	98.953	99.610	99.597	4623617.782	9398278.406	253.922
866	1.520	213.438	98.968	97.450	97.437	4623615.590	9398280.839	253.865
867	1.520	214.484	99.099	97.470	97.460	4623615.558	9398282.440	253.665

Станция: пт21(8) Ih = 1.625

Име(клас)	X	Y	H	O	V
пт20(8)	4623518.185	9398278.309	252.153	200.3130	-0.0048
пт20(8)	4623518.185	9398278.309	252.153	200.3101	-0.0019
пт22(8)	4623858.820	9398310.710	259.097	200.3061	0.0022
пт22(8)	4623858.820	9398310.710	259.097	200.3045	0.0038
пт21(8)	4623672.325	9398279.067	254.787	200.3082	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт20(8)	1.520	400.000	101.134	154.170	154.140	-0.001	-0.012	0.005
пт20(8)	1.520	400.003	101.134	154.160	154.130	-0.011	-0.005	0.004
пт22(8)	1.520	210.394	98.589	189.210	189.156	0.005	-0.005	0.008
пт22(8)	1.520	210.395	98.589	189.210	189.156	0.006	-0.010	0.008
868	1.520	205.414	99.369	100.820	100.815	4623772.733	9398288.117	255.893
869	1.520	205.299	98.762	97.200	97.182	4623769.130	9398287.616	256.783
870	1.520	207.876	98.834	91.770	91.755	4623763.323	9398290.831	256.573
871	1.520	208.848	98.765	91.740	91.723	4623763.101	9398292.213	256.673
872	1.520	211.019	98.740	91.470	91.452	4623762.333	9398295.253	256.703
873	1.520	213.027	98.751	90.760	90.743	4623761.084	9398297.936	256.674
874	1.520	214.289	98.751	90.760	90.743	4623760.693	9398299.692	256.673
875	1.520	219.141	98.796	85.140	85.125	4623753.508	9398304.671	256.503
876	1.520	218.769	98.429	81.060	81.036	4623749.749	9398302.989	256.893
877	1.520	203.660	104.127	49.250	49.147	4623721.376	9398282.129	251.702
878	1.520	205.989	98.948	49.030	49.023	4623721.109	9398283.909	255.703
879	1.520	208.032	98.947	48.960	48.953	4623720.859	9398285.462	255.703
880	1.520	211.529	98.939	48.680	48.673	4623720.159	9398288.065	255.704
881	1.520	215.014	99.092	50.320	50.315	4623721.190	9398291.060	255.610
882	1.520	217.541	99.217	50.390	50.386	4623720.744	9398293.010	255.512
883	1.520	218.803	100.227	50.430	50.430	4623720.499	9398293.980	254.713
884	1.520	221.315	98.843	50.610	50.602	4623720.036	9398295.926	255.813
885	1.520	233.767	100.142	17.910	17.910	4623687.730	9398288.202	254.852
886	1.520	226.643	99.782	17.790	17.790	4623688.544	9398286.376	254.953
887	1.520	217.286	99.549	16.830	16.830	4623688.516	9398283.660	255.012

888	1.520	203.600	99.318	15.860	15.859	4623688.154	9398280.040	255.062
889	1.520	198.817	99.322	15.970	15.969	4623688.293	9398278.848	255.062
890	1.520	50.266	126.835	7.820	7.136	4623667.325	9398273.977	251.693
891	1.520	33.292	104.101	6.210	6.197	4623666.971	9398275.946	254.493
892	1.520	12.387	102.204	5.870	5.866	4623666.575	9398277.905	254.689
893	1.520	379.864	101.779	6.040	6.038	4623666.578	9398280.918	254.724
894	1.520	338.123	102.379	6.160	6.156	4623668.830	9398284.135	254.662
895	1.520	338.739	102.638	7.970	7.963	4623667.741	9398285.579	254.562
896	1.520	338.927	107.311	8.990	8.931	4623667.163	9398286.355	253.862
897	1.520	338.926	103.324	10.150	10.136	4623666.466	9398287.339	254.363
898	1.520	388.216	101.710	26.430	26.421	4623646.332	9398283.804	254.183
899	1.520	392.269	101.463	26.380	26.373	4623646.131	9398282.136	254.286
900	1.520	397.841	101.253	26.010	26.005	4623646.331	9398279.823	254.381
901	1.520	5.217	101.319	26.370	26.364	4623646.060	9398276.782	254.346
902	1.520	9.075	101.807	26.430	26.419	4623646.192	9398275.187	254.142

Станция: пт22(8) Ih = 1.646

Име(клас)	X	Y	H	O	V
пт21(8)	4623672.325	9398279.067	254.787	210.6995	-0.0040
пт21(8)	4623672.325	9398279.067	254.787	210.6960	-0.0005
пт23(8)	4624032.267	9398313.724	260.357	210.6920	0.0035
пт23(8)	4624032.267	9398313.724	260.357	210.6944	0.0011
пт22(8)	4623858.820	9398310.710	259.097	210.6955	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт21(8)	1.520	400.000	101.494	189.220	189.161	0.002	-0.012	0.003
пт21(8)	1.520	400.003	101.494	189.220	189.161	0.001	-0.002	0.003
пт23(8)	1.520	190.414	99.587	173.480	173.470	0.004	-0.009	0.007
пт23(8)	1.520	190.412	99.587	173.480	173.470	0.004	-0.003	0.007
903	1.520	386.214	99.107	39.930	39.926	4623818.941	9398312.647	259.783
904	1.520	390.197	102.147	39.730	39.708	4623819.116	9398310.153	257.883
905	1.520	394.105	101.508	39.650	39.639	4623819.294	9398307.724	258.284
906	1.520	398.716	101.452	39.350	39.340	4623819.909	9398304.916	258.325
907	1.520	3.624	101.709	35.490	35.477	4623824.236	9398302.797	258.270
908	1.520	6.492	101.702	35.540	35.527	4623824.579	9398301.235	258.273
909	1.520	10.770	105.248	35.830	35.708	4623825.122	9398298.896	256.272
910	1.520	367.493	102.369	6.450	6.446	4623852.749	9398312.875	258.983
911	1.520	382.443	102.446	6.260	6.255	4623852.601	9398311.383	258.982
912	1.520	9.390	102.298	6.280	6.276	4623852.854	9398308.763	258.996
913	1.520	34.700	102.870	6.870	6.863	4623853.629	9398306.220	258.913
914	1.520	50.228	102.802	7.050	7.043	4623854.763	9398304.952	258.912
915	1.520	218.349	100.328	17.460	17.460	4623874.494	9398318.402	259.133
916	1.520	209.406	104.132	16.800	16.765	4623874.756	9398315.916	258.133
917	1.520	203.741	100.347	16.530	16.530	4623874.927	9398314.426	259.133
918	1.520	196.021	100.349	16.420	16.420	4623875.149	9398312.439	259.133
919	1.520	186.550	100.110	16.900	16.900	4623875.704	9398309.979	259.193
920	1.520	177.434	100.369	16.350	16.350	4623874.886	9398307.679	259.128
921	1.520	169.978	100.360	15.900	15.900	4623873.993	9398305.957	259.133
922	1.520	194.748	100.107	53.340	53.340	4623911.965	9398315.265	259.133
923	1.520	192.603	99.986	53.240	53.240	4623911.989	9398313.467	259.234
924	1.520	189.675	99.913	53.340	53.340	4623912.159	9398311.020	259.295
925	1.520	186.870	100.007	53.990	53.990	4623912.771	9398308.646	259.217
926	1.520	184.958	100.012	53.890	53.890	4623912.585	9398307.033	259.213
927	1.520	186.730	100.015	53.870	53.870	4623912.646	9398308.532	259.210
928	1.520	185.733	99.944	67.920	67.920	4623926.633	9398306.901	259.283
929	1.520	184.330	99.850	68.000	68.000	4623926.613	9398305.402	259.383
930	1.520	187.796	99.855	67.900	67.900	4623926.701	9398309.101	259.378
931	1.520	188.542	99.822	82.370	82.370	4623941.184	9398309.723	259.454
932	1.520	187.183	99.910	82.450	82.450	4623941.224	9398307.962	259.339
933	1.520	186.024	99.907	82.450	82.450	4623941.161	9398306.463	259.343
934	1.520	187.452	99.807	92.250	92.250	4623951.031	9398308.025	259.503
935	1.520	188.815	99.808	92.210	92.210	4623951.027	9398310.001	259.501
936	1.520	190.309	99.782	92.310	92.310	4623951.118	9398312.166	259.540
937	1.520	192.236	99.817	90.420	90.420	4623949.144	9398314.872	259.483
938	1.520	193.080	99.958	90.460	90.460	4623949.121	9398316.072	259.283
939	1.520	193.784	100.239	90.470	90.470	4623949.066	9398317.070	258.883
940	1.520	195.189	99.121	90.580	90.572	4623949.005	9398319.070	260.473

Станция: пт23(8) Ih = 1.640

Име(клас)	X	Y	H	O	V
пт22(8)	4623858.820	9398310.710	259.097	201.1062	-0.0034
пт22(8)	4623858.820	9398310.710	259.097	201.1033	-0.0005
пт24(8)	4624281.928	9398277.822	257.324	201.1013	0.0015
пт24(8)	4624281.928	9398277.822	257.324	201.1009	0.0019
пт23(8)	4624032.267	9398313.724	260.357	201.1028	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт22(8)	1.520	400.000	100.509	173.480	173.468	-0.005	-0.010	0.003
пт22(8)	1.520	400.003	100.509	173.490	173.478	0.005	-0.002	0.003
пт24(8)	1.520	189.806	100.800	252.250	252.221	0.008	-0.007	0.014
пт24(8)	1.520	189.806	100.800	252.260	252.231	-0.002	-0.007	0.014
941	1.520	393.905	100.836	47.950	47.946	4623984.468	9398317.480	259.847
942	1.520	395.898	100.832	47.880	47.876	4623984.444	9398315.979	259.852
943	1.520	398.759	100.882	46.850	46.846	4623985.422	9398313.826	259.828
944	1.520	1.468	100.955	47.990	47.985	4623984.321	9398311.787	259.757
945	1.520	3.989	100.955	48.010	48.005	4623984.416	9398309.889	259.757
946	1.520	8.003	101.301	27.410	27.404	4624005.143	9398309.818	259.917
947	1.520	4.518	101.296	27.360	27.354	4624005.019	9398311.313	259.920
948	1.520	399.879	101.166	26.840	26.836	4624005.435	9398313.311	259.986
949	1.520	393.667	101.015	26.510	26.507	4624005.850	9398315.900	260.055
950	1.520	397.505	101.007	26.550	26.547	4624005.727	9398314.305	260.057
951	1.520	387.676	103.394	26.650	26.612	4624006.067	9398318.391	259.057
952	1.520	381.781	102.173	26.950	26.934	4624006.300	9398320.879	259.557
953	0.000	352.816	106.672	8.210	8.165	4624026.149	9398319.132	261.138
954	0.000	352.816	115.878	7.630	7.394	4624026.727	9398318.621	260.114
955	0.000	258.449	98.606	7.460	7.458	4624036.693	9398319.727	262.161
956	0.000	237.060	113.256	7.070	6.917	4624037.978	9398317.627	260.536
957	1.520	323.399	105.588	2.620	2.610	4624031.287	9398316.143	260.248
958	1.520	367.261	104.333	1.990	1.985	4624030.522	9398314.671	260.342
959	1.520	47.973	104.486	2.850	2.843	4624030.228	9398311.743	260.277
960	1.520	57.859	103.285	5.490	5.483	4624028.972	9398309.342	260.194
961	1.520	57.857	102.524	7.070	7.064	4624028.022	9398308.078	260.197
962	1.520	165.515	100.658	17.410	17.409	4624047.337	9398305.008	260.297
963	1.520	172.848	100.287	17.310	17.310	4624048.148	9398306.837	260.399
964	1.520	182.750	100.050	16.860	16.860	4624048.588	9398309.493	260.464
965	1.520	194.136	100.112	16.860	16.860	4624049.080	9398312.464	260.448
966	1.520	201.661	100.113	16.960	16.960	4624049.211	9398314.460	260.447
967	1.520	192.883	100.132	57.780	57.780	4624089.789	9398308.273	260.358
968	1.520	191.340	100.132	57.750	57.750	4624089.611	9398306.884	260.358
969	1.520	188.332	100.069	58.250	58.250	4624089.717	9398304.101	260.414
970	1.520	185.445	100.107	58.010	58.010	4624088.987	9398301.557	260.380
971	1.520	183.470	100.110	58.030	58.030	4624088.601	9398299.799	260.377
972	1.520	193.316	99.417	90.560	90.556	4624122.476	9398305.796	261.308
973	1.520	191.911	99.979	90.470	90.470	4624122.193	9398303.816	260.508
974	1.520	190.855	100.120	90.430	90.430	4624121.976	9398302.331	260.308
975	1.520	188.653	100.118	90.650	90.650	4624121.746	9398299.200	260.310
976	1.520	186.512	100.107	88.890	88.890	4624119.480	9398296.539	260.328
977	1.520	185.081	100.107	88.980	88.980	4624119.160	9398294.564	260.328
978	1.520	185.915	100.262	109.140	109.139	4624139.145	9398291.622	260.028
979	1.520	187.050	100.204	109.040	109.040	4624139.424	9398293.549	260.128
980	1.520	188.823	100.193	109.070	109.070	4624139.974	9398296.535	260.148
981	1.520	190.639	100.204	109.000	109.000	4624140.351	9398299.625	260.128
982	1.520	191.807	100.379	109.050	109.048	4624140.640	9398301.604	259.828
983	1.520	190.555	100.365	127.470	127.468	4624158.642	9398297.069	259.748
984	1.520	189.016	100.354	127.830	127.828	4624158.559	9398293.963	259.767
985	1.520	187.545	100.364	127.880	127.878	4624158.117	9398291.042	259.748

Станция: пт24(8) Ih = 1.676

Име(клас)	X	Y	H	O	V
пт25(7)	4624480.239	9398242.787	258.328	388.8680	0.0004
пт25(7)	4624480.239	9398242.787	258.328	388.8651	0.0033
пт23(8)	4624032.267	9398313.724	260.357	388.8710	-0.0027
пт23(8)	4624032.267	9398313.724	260.357	388.8690	-0.0007

пт24(8)	4624281.928	9398277.822	257.324	388.8683

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт25(7)	1.520	400.000	99.736	201.390	201.381	0.001	-0.000	0.010
пт25(7)	1.520	400.003	99.736	201.390	201.381	-0.000	-0.009	0.010
пт23(8)	1.520	202.037	99.277	252.260	252.234	0.003	-0.012	0.006
пт23(8)	1.520	202.038	99.277	252.250	252.224	-0.006	-0.002	0.006
986	1.520	2.816	100.138	106.230	106.230	4624387.253	9398263.984	257.251
987	1.520	2.216	100.139	106.220	106.220	4624387.108	9398262.995	257.249
988	1.520	400.492	100.097	105.810	105.810	4624386.264	9398260.219	257.319
989	1.520	398.798	100.085	106.520	106.520	4624386.455	9398257.312	257.338
990	1.520	398.080	100.084	106.510	106.510	4624386.208	9398256.138	257.341
991	1.520	397.290	100.529	109.490	109.486	4624388.837	9398254.203	256.571
992	1.520	396.417	100.645	109.490	109.485	4624388.501	9398252.739	256.371
993	1.520	397.466	100.483	113.240	113.237	4624392.566	9398253.701	256.621
994	1.520	396.624	100.596	113.270	113.265	4624392.265	9398252.232	256.421
995	1.520	3.528	100.256	109.370	109.369	4624390.518	9398264.790	257.041
996	1.520	3.365	100.254	115.250	115.249	4624396.321	9398263.797	257.021
997	1.520	5.846	100.510	103.510	103.507	4624385.078	9398269.237	256.651
998	1.520	6.099	100.526	99.320	99.317	4624380.935	9398269.978	256.661
999	1.520	4.418	100.167	95.200	95.200	4624376.599	9398267.800	257.231
1000	1.520	2.411	100.166	95.140	95.140	4624376.177	9398264.830	257.233
1001	1.520	400.498	100.168	95.040	95.040	4624375.645	9398262.021	257.231
1002	1.520	398.503	100.186	94.750	94.750	4624374.820	9398259.149	257.204
1003	1.520	397.159	100.188	94.750	94.750	4624374.405	9398257.192	257.201
1004	1.520	395.641	100.395	59.710	59.709	4624339.878	9398263.435	257.111
1005	1.520	397.240	100.395	59.660	59.659	4624340.172	9398264.906	257.111
1006	1.520	400.255	100.395	59.670	59.669	4624340.728	9398267.677	257.111
1007	1.520	3.377	100.412	60.260	60.259	4624341.741	9398270.500	257.091
1008	1.520	5.488	100.517	60.330	60.328	4624342.019	9398272.480	256.991
1009	1.520	7.066	101.254	60.440	60.428	4624342.233	9398273.965	256.291
1010	1.520	9.162	100.830	60.610	60.605	4624342.504	9398275.947	256.691
1011	1.520	391.431	100.985	35.280	35.276	4624315.528	9398267.079	256.935
1012	1.520	394.327	100.705	35.040	35.038	4624315.752	9398268.679	257.093
1013	1.520	399.081	100.615	34.740	34.738	4624316.046	9398271.285	257.145
1014	1.520	4.482	100.662	33.870	33.868	4624315.612	9398274.291	257.128
1015	1.520	8.642	100.891	32.190	32.187	4624314.090	9398276.563	257.030
1016	1.520	98.720	103.275	4.700	4.694	4624282.838	9398282.427	257.239
1017	1.520	76.162	107.088	1.560	1.550	4624282.738	9398279.144	257.307
1018	1.520	340.857	106.362	1.750	1.741	4624282.712	9398276.267	257.306
1019	1.520	305.259	103.665	4.010	4.003	4624281.559	9398273.835	257.250
1020	1.520	305.363	104.577	5.990	5.975	4624281.387	9398271.872	257.050
1021	1.520	305.363	117.327	8.300	7.994	4624281.205	9398269.860	255.249
1022	1.520	211.211	99.503	38.420	38.419	4624243.509	9398277.774	257.781
1023	1.520	208.793	99.499	38.420	38.419	4624243.535	9398279.233	257.783
1024	1.520	204.563	99.393	38.730	38.728	4624243.406	9398281.811	257.850
1025	1.520	200.245	99.468	38.320	38.319	4624244.168	9398284.343	257.800
1026	1.520	197.755	99.469	38.350	38.349	4624244.423	9398285.820	257.800
1027	1.520	207.462	99.329	71.130	71.126	4624210.920	9398281.920	258.231
1028	1.520	206.119	99.151	71.110	71.104	4624211.045	9398283.415	258.429
1029	1.520	203.581	99.117	71.210	71.203	4624211.225	9398286.248	258.469
1030	1.520	200.856	99.158	71.090	71.084	4624211.768	9398289.246	258.421
1031	1.520	199.067	99.427	71.160	71.157	4624212.045	9398291.226	258.121

Станция: пт25(7) Ih = 1.675

Име(клас)	X	Y	H	O	V
пт26(7)	4624601.609	9398214.495	262.176	188.8625	0.0024
пт26(7)	4624601.609	9398214.495	262.176	188.8623	0.0026
пт24(8)	4624281.928	9398277.822	257.324	188.8680	-0.0031
пт24(8)	4624281.928	9398277.822	257.324	188.8655	-0.0006
пт25(7)	4624480.239	9398242.787	258.328	188.8649	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт26(7)	1.520	196.558	98.120	124.670	124.611	0.012	-0.007	0.011
пт26(7)	1.520	196.558	98.120	124.680	124.621	0.002	-0.005	0.010
пт24(8)	1.520	400.000	100.369	201.390	201.379	-0.005	-0.010	0.005
пт24(8)	1.520	400.002	100.369	201.390	201.379	-0.003	-0.002	0.005

1032	1.520	396.441	100.773	84.010	84.004	4624398.463	9398262.004	257.463
1033	1.520	397.579	100.771	84.000	83.994	4624398.142	9398260.538	257.467
1034	1.520	399.339	100.775	83.320	83.314	4624398.351	9398258.137	257.469
1035	1.520	1.335	100.782	83.130	83.124	4624398.098	9398255.532	257.462
1036	1.520	2.254	100.781	83.120	83.114	4624397.933	9398254.345	257.464
1037	1.520	3.608	100.782	81.360	81.354	4624399.453	9398252.384	257.484
1038	1.520	393.760	101.500	73.410	73.390	4624409.566	9398262.569	256.753
1039	1.520	395.061	101.068	73.330	73.320	4624409.244	9398261.104	257.254
1040	1.520	393.601	101.082	59.410	59.402	4624423.076	9398258.942	257.473
1041	1.520	396.817	100.866	59.330	59.325	4624422.409	9398256.018	257.676
1042	1.520	399.533	100.855	59.220	59.215	4624422.005	9398253.519	257.688
1043	1.520	2.142	100.852	59.320	59.315	4624421.515	9398251.138	257.689
1044	1.520	4.502	101.169	59.370	59.360	4624421.201	9398248.960	257.393
1045	1.520	374.202	101.405	15.410	15.406	4624467.354	9398251.232	258.143
1046	1.520	390.920	101.420	15.150	15.146	4624465.850	9398247.516	258.145
1047	1.520	1.887	101.313	14.600	14.597	4624465.796	9398244.900	258.182
1048	1.520	14.224	101.746	14.780	14.774	4624465.482	9398242.070	258.078
1049	1.520	26.965	102.572	15.100	15.088	4624465.615	9398239.074	257.873
1050	1.520	99.821	100.970	7.770	7.769	4624478.866	9398235.140	258.365
1051	1.520	136.704	100.651	9.280	9.280	4624483.867	9398234.246	258.388
1052	1.520	179.538	99.883	12.350	12.350	4624491.099	9398236.906	258.506
1053	1.520	194.291	99.603	10.810	10.810	4624490.673	9398239.960	258.550
1054	1.520	211.151	99.628	10.970	10.970	4624491.209	9398242.790	258.547
1055	1.520	201.673	98.781	38.800	38.793	4624518.604	9398237.042	259.226
1056	1.520	197.034	98.655	39.220	39.211	4624518.492	9398234.172	259.312
1057	1.520	191.743	98.801	38.620	38.613	4624517.075	9398231.206	259.210
1058	1.520	188.243	98.671	45.980	45.970	4624523.269	9398226.611	259.443
1059	1.520	200.422	98.426	61.680	61.661	4624541.029	9398232.459	260.008
1060	1.520	201.771	98.363	68.130	68.108	4624547.611	9398232.805	260.235
1061	1.520	201.444	98.303	77.480	77.453	4624556.796	9398231.041	260.549
1062	1.520	201.372	98.287	77.480	77.452	4624556.782	9398230.955	260.568
1063	1.520	199.759	98.252	77.550	77.521	4624556.525	9398229.007	260.613
1064	1.520	197.138	98.217	77.720	77.690	4624556.058	9398225.842	260.660
1065	1.520	194.514	98.241	76.890	76.861	4624554.495	9398222.947	260.608
1066	1.520	199.206	98.193	89.260	89.224	4624567.901	9398226.166	261.017
1067	1.520	195.004	98.165	92.630	92.592	4624569.874	9398219.575	261.154
1068	1.520	193.739	98.161	97.630	97.589	4624574.208	9398216.450	261.304

21. Оценка на точността от нормираните поправки от абриса на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-69.1	[cc]
Минимално[несъвпадение,поправка,разлика]	-0.0	[cc]
Средно аритметична стойност [pw]/n	-0.1	[cc]
Вероятна грешка |pw|[i](i=n/2)	23.5	[cc]
Средно аритметична грешка[|pw|]/n	25.7	[cc]
Асиметрия([pw^3]/n)/(m^3)	-0.2	[cc]
Ексцес ([pw^4]/n)/(m^4)-3	-0.8	[cc]
Средна квадратна грешка за единица тежест	31.8	[cc]
СКГ за ед. тежест от всички несъвпадения	31.8	[cc]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.81 : 0.74		
Брой на допустимите разлики n	94	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	47	
Брой на отрицателните грешки	47	
Брой на разликите(положителни-отрицателни)	0	
Брой на допустимите разлики (при дов.в.96%)	18	

22. Оценка на точността от координатните разлики dx на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-24.8	[mm]
Минимално[несъвпадение,поправка,разлика]	-0.2	[mm]

Средно аритметична стойност [pw]/n	-1.9	[mm]
Вероятна грешка |pw|[i](i=n/2)	3.9	[mm]
Средно аритметична грешка[|pw|]/n	4.7	[mm]
Асиметрия([pw^3]/n)/(m^3)	-0.9	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0.4	[mm]
Средна квадратна грешка за единица тежест	5.8	[mm]
СКГ за ед. тежест от всички несъвпадения	6.4	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.80 : 0.66		
Брой на допустимите разлики n	93	
Брой на недопустимите разлики m	1	
Брой на положителните грешки	30	
Брой на отрицателните грешки	63	
Брой на разликите(положителни-отрицателни)	-33	
Брой на допустимите разлики (при дов.в.96%)	18	

23. Оценка на точността от координатните разлики dy на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-20.4	[mm]
Минимално[несъвпадение,поправка,разлика]	0.3	[mm]
Средно аритметична стойност [pw]/n	-6.6	[mm]
Вероятна грешка |pw|[i](i=n/2)	7.1	[mm]
Средно аритметична грешка[|pw|]/n	7.4	[mm]
Асиметрия([pw^3]/n)/(m^3)	-1.4	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0.7	[mm]
Средна квадратна грешка за единица тежест	9.1	[mm]
СКГ за ед. тежест от всички несъвпадения	9.1	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.82 : 0.78		
Брой на допустимите разлики n	94	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	13	
Брой на отрицателните грешки	81	
Брой на разликите(положителни-отрицателни)	-68	
Брой на допустимите разлики (при дов.в.96%)	18	

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част
Консултант:
Управител:
(инж. А. Лачов)

24. Оценка на точността от координатните разлики dh на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	1	[mm]
Минимално[несъвпадение,поправка,разлика]	-0.0	[mm]
Средно аритметична стойност [pw]/n	6.2	[mm]
Вероятна грешка |pw|[i](i=n/2)	5	[mm]
Средно аритметична грешка[|pw|]/n	6.2	[mm]
Асиметрия([pw^3]/n)/(m^3)	1.2	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0	[mm]
Средна квадратна грешка за единица тежест	7.0	[mm]
СКГ за ед. тежест от всички несъвпадения	7.0	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.89 : 0.85		
Брой на допустимите разлики n	94	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	92	
Брой на отрицателните грешки	2	
Брой на разликите(положителни-отрицателни)	90	
Брой на допустимите разлики (при дов.в.96%)	18	

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
Консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
Консултант/строителен надзор
СХИ СЪГЛАСУВА

Обработил: ..... Регистрационен № 11962
//
инж. ДИАН СТОЯНОВ СТОЯНОВ

КИИП
Секция: ГПГ
Части на проекта: по удостоверение за ППП

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Подпис .....
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

```
##########################################################################
#                                                                        #
#             ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА ПЛАНОВА МРЕЖА                   #
#                                                                        #
#                                                                        #
#                                                TplanWin v1.0.2 (Pipm) #
##########################################################################
```

Проект: C:\Program Files (x86)\TPLAN\Мирово.tpl

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и **общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920**, Община Братя Даскалови

ДАТА: 21.09.2016г.

ДИМЕНСИИ:

Посоки и ъгли..... градиː

Поправки и ср. кв. граешки за посоки... сантисантиградиː

Разстояния и координати..... метриː

Поправки и СКГ за разст. и координати.. милиметриː

Избраният модел на тежестите е:
Единицата тежест - едно насочване и отчитане
В тежестите на измерените ъгли и дължини се отчитат:
- броя на измерванията
- влиянието точността на центриране на инструмента и сигнала.
Средната квадратна грешка за единица тежест трябва да се получи близка до проспектната точност на инструмента.

ЗАБЕЛЕЖКА:
В изравнението участват осреднените стойности от многократните измервания (ако има такива).

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

Станция: пт2(7) - Дадена O=387.0919 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт1(7)	0.0020	-20.9	387.0918	0.0	174.758	0.0	10.6
пт3(8)	187.0998	19.8	174.1936	11.4	195.906	1.9	10.1
пт1(7)	174.7564	1.7	387.0918	0.0	174.758	0.0	3.7
пт3(8)	195.9068	-0.6	174.1936	11.4	195.906	1.9	3.2

Станция: пт4(7) - Дадена O=375.2234 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт3(8)	0.0008	29.0	375.2271	7.1	315.820	1.9	9.3
пт5(7)	339.8009	-43.1	315.0200	0.0	130.909	0.0	13.8
пт5(7)	130.9143	-5.6	315.0200	0.0	130.909	0.0	3.6
пт3(8)	315.8213	-1.8	375.2271	7.1	315.820	1.9	3.5

Станция: пт3(8) - Нова O=175.2249 (измерени 2 посоки и 2 дължини)

към N	пос.(раз.)	п-ка	Посочен ъгъл	Мал	Разстояние	ms	mv
пт4(7)	0.0023	-0.5	175.2272	7.1	315.820	1.9	5.9
пт2(7)	198.9686	0.6	374.1936	11.4	195.906	1.9	6.8
пт2(7)	195.9072	-1.0	374.1936	11.4	195.906	1.9	3.2
пт4(7)	315.8195	0.1	175.2272	7.1	315.820	1.9	3.5

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 7988.1 [pff. 5]= 7988.1 |v|max= 43.1 (nor)|v|max= 47.4

Средна квадратна грешка за единица тежест Me = 20.5[cc]

Зададена точност на центриране:
- на инструмента 5.0[mm]
- на сигнала 5.0[mm]

Средната квадратна грешка за измерена посока при едно положение на тръбата с отчитане влиянието точността на центриране на инструмента и сигнала е:
- за разстояние 50 метра mr= 48.1
- за разстояние 100 метра mr= 29.9
- за разстояние 1000 метра mr= 20.6

СПИСЪК НА ДАДЕНИТЕ ТОЧКИ

No	Име(клас)	X	Y
1	пт1(7)	4606835.413	9393024.528
2	пт2(7)	4606664.235	9393059.720
3	пт4(7)	4606191.997	9393256.794
4	пт5(7)	4606222.597	9393129.512

СПИСЪК НА НОВИТЕ ТОЧКИ
(Полуоси на елипсите на грешките при доверителна вероятност 68%)

No	Име(клас)	X	mx	Y	my	ms	Rmax	Rmin	Fi
1	пт3(8)	4606484.205	2.2	9393136.977	3.3	4.0	3.5	1.9	85.0

Максимална ср. кв. грешка ms = 4.02 в пт3(8) пореден номер 1

Обработил: .....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис: .....
Секция: ГПГ
Части на проекта: по удостоверение за ППП
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ТЕКУЩАТА ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

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#########################################################################
#                                                                       #
#            ПАРАМЕТРИЧНО ИЗРАВНЕНИЕ НА НИВЕЛАЧНА МРЕЖА                 #
#                                                                       #
#                                                  TplanWin v1.0.2 (Pinm) #
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Проект: C:\Program Files (x86)\TPLAN\Мирово.tpl

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и **общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920**, Община Братя Даскалови

ДАТА: 21.09.2016г.

ДИМЕНСИИ:

Коти и превишения..... метри;

Разстояния..... метри;

Поправки..... милиметри;

Средни кв. грешки за превишения..... милиметри;

ТРИГОНОМЕТРИЧНА НИВЕЛАЦИЯ

В изравнението участват усреднените стойности от многократно измерените превишения (ако има такива).
Средната квадратна грешка за единица тежест е за разстояние S=221.0m и зенитен ъгъл Z=100g.
В средната квадратна грешка за единица тежест не е включено влиянието на грешката от измерването височината на инструмента и сигнала.

Р Е З У Л Т А Т И О Т И З Р А В Н Е Н И Е Т О

От точка	Към точка	Измерено h'[m]	mh'	Изравнено h[m]	mh	Поправка v[mm]	mv	Разстояние [m]
пт2(7)	пт3(8)	-3.6254	46.7	-3.6353	27.6	-9.9	37.7	195.91
пт2(7)	пт1(7)	0.9708	42.6	0.9770	0.0	6.2	42.6	174.76
пт4(7)	пт5(7)	2.0027	34.4	2.1060	0.0	103.3	34.4	130.91
пт4(7)	пт3(8)	1.9864	71.2	2.0777	27.6	91.3	65.6	315.82
пт3(8)	пт4(7)	-2.1048	71.2	-2.0777	27.6	27.1	65.6	315.82
пт3(8)	пт2(7)	3.6176	46.7	3.6353	27.6	17.7	37.7	195.91

О Ц Е Н К А Н А Т О Ч Н О С Т Т А

Контролни суми и максимална по абсолютна стойност попрвака:
[pvv]= 58877 [pff. 1]= 58877 |v|max= 103.3

Средна квадратна грешка за единица тежест Me = 73.2[mm]

Средната квадратна грешка за измерено превишение
без да е включено влиянието на грешката от измерването
на височината на инструмента и сигнала е:
- за разстояние 50 метра mr= 16.6
- за разстояние 100 метра mr= 33.1
- за разстояние 1000 метра mr= 331.0

СПИСЪК НА ДАДЕНИТЕ РЕПЕРИ

No	Име(клас)	клас	H	H
1	пт1(7)	4		140.03100
2	пт2(7)	4		139.05400
3	пт4(7)	4		133.34100
4	пт5(7)	4		135.44700

СПИСЪК НА НОВИТЕ РЕПЕРИ

No	Име(клас)	клас	H	H	mh
1	пт3(8)	6		135.41867	27.63

Максимална средна квадратна грешка mh= 27.63 в т.пт3(8) 1

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Област:
ГПГ
Части на проекта:
по удостоверение за ППП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ГПП ЗА ТЕКУЩАТА ГОДИНА

Обработил: .....

„ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД • Благоевград •

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. Л. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

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##########################################################################
#                                                                        #
#                      ПОЛЯРНА ГЕОДЕЗИЧЕСКА СНИМКА                       #
#                                                                        #
#                                                  TplanWin v1.0.2 (Geosn)#
##########################################################################
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Проект: C:\Program Files (x86)\TPLAN\Мирово.tpl

ОБЕКТ: Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и **общински път SZR 2006 с. Мирово (път II-66) - с. Опълченец (път III-565) от км 1+400 до км 1+920**, Община Братя Даскалови

ДАТА: 21.09.2016г.

Координатна система - 1970г.

Зона..... 5

Височинна система - Балтийска

Средна квадратна грешка за посока..... 30[cc]

Константи на далекомера..... a=5, b=5, c=0

Точност на центриране на инструмента..... 5[mm]

Точност на центриране на сигнала..... 5[mm]

Средна квадратна грешка за зенитен ъгъл:.. 50[cc]

Средна квадратна грешка за превишение:.... 50[mm]

Точност на височината на инструмента:..... 5[mm]

Точност на височината на сигнала:..... 5[mm]

Брой станции с подробни точки:..... 3

Брой измерени подробни точки:..... 210

Станция: пт2(7) Ih = 1.670

Име(клас)	X	Y	H	O	V
пт1(7)	4606835.413	9393024.528	140.031	387.0901	0.0017
пт1(7)	4606835.413	9393024.528	140.031	387.0894	0.0024
пт3(8)	4606484.205	9393136.977	135.419	387.0946	-0.0027
пт3(8)	4606484.205	9393136.977	135.419	387.0931	-0.0012
пт2(7)	4606664.235	9393059.720	139.054	387.0919	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт1(7)	1.520	400.002	99.702	174.760	174.756	0.001	-0.004	0.006
пт1(7)	1.520	400.002	99.702	174.760	174.756	0.000	-0.006	0.006
пт3(8)	1.520	187.099	101.228	195.950	195.912	0.002	-0.010	-0.010
пт3(8)	1.520	187.101	101.228	195.940	195.902	-0.006	-0.002	-0.010
1	1.520	13.712	99.702	40.550	40.550	4606704.782	9393060.232	139.394
2	1.520	7.458	99.703	40.330	40.330	4606704.417	9393056.271	139.392
3	1.520	2.588	99.614	40.090	40.090	4606703.799	9393053.249	139.447
4	1.520	397.837	99.643	40.010	40.010	4606703.129	9393050.336	139.428
5	1.520	393.073	99.810	40.130	40.130	4606702.433	9393047.418	139.324
6	1.520	381.942	101.189	12.850	12.848	4606675.593	9393053.714	138.964
7	1.520	396.949	100.184	12.490	12.490	4606676.335	9393056.622	139.168
8	1.520	12.527	100.225	12.080	12.080	4606676.315	9393059.648	139.161
9	1.520	28.138	100.394	12.910	12.910	4606676.777	9393062.779	139.124
10	1.520	45.111	101.334	13.360	13.357	4606675.919	9393066.192	138.924
11	1.000	49.792	102.990	12.490	12.476	4606674.675	9393066.551	139.138
12	1.000	81.009	105.277	9.120	9.089	4606668.601	9393067.691	138.969
13	1.520	319.585	106.057	8.060	8.024	4606665.075	9393051.740	138.438
14	1.520	349.829	103.744	9.460	9.444	4606669.410	9393051.820	138.648
15	1.520	379.208	106.059	1.540	1.533	4606665.558	9393058.946	139.058
16	1.520	74.967	104.100	2.990	2.984	4606665.910	9393062.189	139.012
17	1.520	93.926	102.720	5.950	5.945	4606665.981	9393065.402	138.950
18	1.520	196.895	102.209	10.220	10.214	4606654.342	9393062.262	138.849
19	1.520	177.619	102.385	10.590	10.583	4606655.237	9393065.290	138.807
20	1.520	162.217	102.770	12.220	12.209	4606655.696	9393068.446	138.673
21	1.520	150.795	103.503	14.740	14.718	4606655.984	9393071.908	138.393
22	1.520	148.570	102.700	27.530	27.506	4606649.620	9393083.022	138.037
23	1.520	153.956	102.479	31.330	31.307	4606645.419	9393084.741	137.984
24	1.520	179.191	101.946	27.150	27.138	4606640.815	9393073.430	138.374
25	1.520	186.521	101.745	26.960	26.950	4606639.567	9393070.573	138.465
26	1.520	193.299	101.363	26.660	26.654	4606638.835	9393067.801	138.633
27	1.520	202.517	102.905	26.300	26.273	4606638.311	9393063.989	138.004
28	1.520	197.658	101.464	26.270	26.263	4606638.722	9393065.952	138.600
29	1.520	181.559	101.768	52.240	52.220	4606618.219	9393084.409	137.753
30	1.520	184.380	101.632	52.410	52.393	4606617.015	9393082.421	137.861
31	1.520	187.932	101.521	52.300	52.286	4606615.922	9393079.711	137.955
32	1.520	191.204	101.452	52.590	52.577	4606614.684	9393077.300	138.005
33	1.520	193.625	101.694	52.630	52.612	4606614.018	9393075.414	137.804
34	1.520	195.362	102.659	52.690	52.645	4606613.577	9393074.047	137.004
35	1.520	182.342	102.049	70.540	70.504	4606601.703	9393092.286	136.935
36	1.520	184.149	101.507	70.520	70.501	4606600.806	9393090.497	137.536
37	1.520	185.261	101.410	70.790	70.774	4606600.031	9393089.499	137.636
38	1.520	188.109	101.346	70.630	70.615	4606598.910	9393086.537	137.711
39	1.520	190.451	101.303	70.860	70.846	4606597.752	9393084.197	137.754
40	1.520	192.427	101.392	70.880	70.864	4606597.007	9393082.127	137.654
41	1.520	193.595	102.199	70.940	70.899	4606596.574	9393080.900	136.754
42	1.520	183.009	101.764	92.780	92.746	4606581.532	9393101.695	136.635
43	1.520	184.383	101.350	92.730	92.710	4606580.677	9393099.885	137.238
44	1.520	185.737	101.280	91.740	91.723	4606580.740	9393097.690	137.360
45	1.520	187.951	101.204	91.080	91.065	4606580.079	9393094.513	137.482
46	1.520	190.081	101.193	91.110	91.095	4606578.933	9393091.688	137.497
47	1.520	194.964	101.331	91.380	91.361	4606576.479	9393085.132	137.295
48	1.520	194.769	101.318	94.220	94.201	4606573.832	9393086.199	137.255
49	1.520	189.941	101.166	97.550	97.535	4606572.979	9393094.149	137.419
50	1.520	184.318	101.259	112.460	112.439	4606562.945	9393108.536	136.982
51	1.520	185.817	101.237	113.210	113.190	4606561.140	9393106.447	137.006
52	1.520	187.540	101.196	112.910	112.891	4606560.188	9393103.524	137.084
53	1.520	189.117	101.170	112.290	112.272	4606559.712	9393100.708	137.141
54	1.520	190.363	101.168	112.320	112.303	4606558.902	9393098.665	137.145

55	1.520	190.930	101.224	112.370	112.351	4606558.513	9393097.741	137.045
56	1.520	191.928	101.167	112.390	112.373	4606557.910	9393096.087	137.145
57	1.520	184.425	101.554	134.220	134.182	4606543.261	9393117.771	135.929
58	1.520	185.103	101.380	133.290	133.260	4606543.485	9393116.091	136.316
59	1.520	185.974	101.342	133.210	133.182	4606542.796	9393114.401	136.398
60	1.520	187.775	101.282	133.400	133.375	4606541.120	9393111.018	136.519
61	1.520	188.893	101.262	133.240	133.215	4606540.386	9393108.789	136.563
62	1.520	190.066	101.256	133.280	133.256	4606539.465	9393106.514	136.575
63	1.520	190.523	101.543	133.270	133.232	4606539.155	9393105.610	135.975
64	1.520	191.237	101.256	133.330	133.306	4606538.579	9393104.228	136.575
65	1.520	189.806	101.307	149.570	149.540	4606524.434	9393112.804	136.136
66	1.520	188.743	101.309	149.590	149.560	4606525.321	9393115.137	136.131
67	1.520	187.379	101.298	149.140	149.111	4606526.953	9393117.925	136.166
68	1.520	186.212	101.333	149.620	149.589	4606527.607	9393120.628	136.072
69	1.520	185.549	101.380	149.560	149.527	4606528.305	9393122.020	135.963
70	1.520	186.383	101.328	184.440	184.402	4606495.610	9393134.350	135.359
71	1.520	186.802	101.297	183.550	183.514	4606495.936	9393132.883	135.467
72	1.520	187.763	101.255	183.320	183.287	4606495.060	9393130.246	135.592
73	1.520	188.849	101.259	183.020	182.986	4606494.161	9393127.239	135.587
74	1.520	189.717	101.294	183.020	182.984	4606493.258	9393124.913	135.487

Станция: пт3(8) Ih = 1.650

Име(клас)	X	Y	H	O	V
пт2(7)	4606664.235	9393059.720	139.054	175.2261	-0.0012
пт2(7)	4606664.235	9393059.720	139.054	175.2238	0.0011
пт4(7)	4606191.997	9393256.794	133.341	175.2255	-0.0006
пт4(7)	4606191.997	9393256.794	133.341	175.2242	0.0007
пт3(8)	4606484.205	9393136.977	135.419	175.2249	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт2(7)	1.520	198.967	98.868	195.940	195.907	0.001	0.004	0.018
пт2(7)	1.520	198.970	98.868	195.940	195.907	-0.002	-0.002	0.018
пт4(7)	1.520	400.002	100.452	315.830	315.819	-0.001	-0.003	0.027
пт4(7)	1.520	400.003	100.452	315.830	315.819	0.001	0.003	0.027
75	2.000	132.745	98.065	13.280	13.274	4606485.863	9393123.807	135.472
76	2.200	150.682	97.061	16.850	16.832	4606490.868	9393121.519	135.646
77	2.000	42.434	100.662	18.400	18.399	4606466.510	9393131.938	134.877
78	1.520	27.385	103.839	21.070	21.032	4606463.191	9393136.115	134.279
79	1.520	18.212	100.830	20.780	20.778	4606463.537	9393139.115	135.278
80	1.520	14.334	100.672	20.520	20.519	4606463.962	9393140.327	135.332
81	1.520	5.268	100.465	20.040	20.040	4606465.099	9393143.021	135.402
82	1.520	397.172	100.851	19.840	19.838	4606466.203	9393145.312	135.284
83	1.520	392.849	100.868	19.160	19.158	4606467.406	9393146.187	135.287
84	1.520	392.543	101.220	25.040	25.036	4606462.311	9393149.118	135.069
85	1.520	393.242	101.131	27.020	27.016	4606460.436	9393149.818	135.069
86	1.520	397.751	100.672	32.030	32.029	4606455.019	9393150.168	135.211
87	1.520	2.939	100.480	31.930	31.929	4606454.136	9393147.715	135.308
88	1.520	8.518	100.520	32.400	32.399	4606452.857	9393145.161	135.284
89	1.520	11.486	100.472	32.570	32.570	4606452.343	9393143.726	135.307
90	1.520	12.903	100.781	26.830	26.828	4606457.842	9393141.951	135.220
91	1.520	13.642	100.665	24.490	24.489	4606460.090	9393141.237	135.293
92	1.520	3.472	100.398	60.860	60.860	4606426.722	9393156.964	135.169
93	1.520	6.627	100.397	60.970	60.970	4606425.696	9393154.123	135.169
94	1.520	1.031	100.395	60.840	60.840	4606427.549	9393159.146	135.171
95	1.520	398.017	100.413	61.430	61.429	4606428.123	9393162.043	135.151
96	1.520	396.255	100.515	61.780	61.779	4606428.523	9393163.737	135.049
97	1.520	393.969	101.441	61.880	61.865	4606429.444	9393165.759	134.149
98	0.500	7.926	100.747	79.710	79.706	4606407.275	9393157.826	135.634
99	1.520	2.996	100.309	79.680	79.680	4606409.143	9393163.707	135.163
100	1.520	400.629	100.296	79.450	79.450	4606410.402	9393166.394	135.180
101	1.520	398.143	100.360	80.870	80.870	4606410.310	9393169.830	135.092
102	1.520	396.587	100.362	80.830	80.830	4606411.170	9393171.608	135.089
103	1.520	394.512	100.735	74.460	74.456	4606418.005	9393171.053	134.689
104	1.520	16.139	100.298	74.760	74.760	4606410.132	9393147.087	135.199
105	1.520	17.651	100.370	68.810	68.810	4606415.826	9393144.661	135.149
106	1.520	6.325	100.013	95.880	95.881	4606392.323	9393164.378	135.529
107	1.520	4.361	100.282	95.800	95.800	4606393.288	9393167.172	135.126

108	1.520	2.025	100.259	95.710	95.710	4606394.542	9393170.456	135.160
109	1.520	400.275	100.253	95.750	95.750	4606395.458	9393172.923	135.169
110	1.520	398.334	100.311	96.700	96.700	4606395.727	9393175.995	135.077
111	1.520	397.249	100.340	96.620	96.620	4606396.477	9393177.463	135.034
112	0.800	3.234	100.668	116.260	116.255	4606374.543	9393175.568	135.051
113	1.520	2.796	100.494	132.920	132.918	4606359.131	9393181.959	134.518
114	1.520	2.050	100.315	132.720	132.720	4606359.852	9393183.353	134.892
115	1.520	1.392	100.316	132.630	132.630	4606360.422	9393184.605	134.892
116	1.520	400.084	100.307	132.760	132.760	4606361.306	9393187.186	134.909
117	1.520	398.609	100.335	133.110	133.110	4606362.182	9393190.160	134.850
118	1.520	397.771	100.366	133.200	133.199	4606362.810	9393191.798	134.784
119	1.520	397.392	100.590	132.770	132.766	4606363.533	9393192.339	134.319
120	1.520	398.022	100.341	156.330	156.330	4606341.478	9393200.755	134.714
121	1.520	398.652	100.332	156.150	156.150	4606341.019	9393199.269	134.736
122	1.520	399.866	100.312	155.900	155.900	4606340.088	9393196.432	134.787
123	1.520	1.151	100.308	155.710	155.710	4606339.094	9393193.442	134.797
124	1.520	1.838	100.344	155.540	155.540	4606338.653	9393191.813	134.710

Станция: пт4(7) Ih = 1.565

Име(клас)	X	Y	H	O	V
пт5(7)	4606222.597	9393129.512	135.447	375.2211	0.0023
пт5(7)	4606222.597	9393129.512	135.447	375.2170	0.0064
пт3(8)	4606484.205	9393136.977	135.419	375.2254	-0.0021
пт3(8)	4606484.205	9393136.977	135.419	375.2271	-0.0037
пт4(7)	4606191.997	9393256.794	133.341	375.2234	

Име(клас)	Th	R	Z	S	D	X(Vx)	Y(Vy)	H(Vh)
пт5(7)	1.520	339.799	99.049	130.930	130.914	-0.005	0.005	0.103
пт5(7)	1.520	339.803	99.049	130.930	130.914	-0.013	0.003	0.103
пт3(8)	1.520	400.002	99.610	315.830	315.821	0.003	0.011	0.091
пт3(8)	1.520	400.000	99.610	315.830	315.821	0.006	0.019	0.091
125	1.520	3.816	99.733	135.900	135.901	4606320.598	9393212.852	133.957
126	1.520	2.329	99.451	135.770	135.767	4606319.411	9393209.907	134.557
127	1.520	1.491	99.460	135.740	135.737	4606318.755	9393208.245	134.538
128	1.520	400.213	99.468	136.700	136.697	4606318.644	9393205.348	134.530
129	1.520	398.815	99.506	137.090	137.088	4606317.842	9393202.425	134.452
130	1.520	397.979	99.508	137.120	137.118	4606317.145	9393200.765	134.448
131	1.520	397.293	99.879	137.150	137.152	4606316.565	9393199.407	133.647
132	1.520	395.566	99.601	137.280	137.279	4606315.076	9393195.991	134.247
133	1.520	397.454	99.624	118.630	118.629	4606299.867	9393207.428	134.087
134	1.520	398.796	99.569	118.580	118.579	4606300.837	9393209.733	134.190
135	1.520	400.251	99.519	118.620	118.618	4606301.921	9393212.218	134.283
136	1.520	1.790	99.519	118.350	118.348	4606302.714	9393214.985	134.282
137	1.520	2.640	99.575	118.350	118.349	4606303.263	9393216.466	134.177
138	1.520	396.975	99.700	85.410	85.410	4606269.391	9393220.669	133.789
139	1.520	395.992	99.752	85.810	85.810	4606269.184	9393219.303	133.721
140	1.520	396.426	99.774	87.060	87.061	4606270.566	9393219.292	133.696
141	1.520	4.571	99.919	99.910	99.911	4606286.918	9393225.613	133.514
142	1.520	2.317	99.604	98.940	98.939	4606284.843	9393222.608	134.003
143	1.520	400.448	99.565	98.310	98.309	4606283.214	9393220.132	134.059
144	1.520	398.720	99.570	97.990	97.989	4606281.892	9393217.798	134.048
145	1.520	394.135	99.761	93.370	93.371	4606274.759	9393213.569	133.737
146	1.520	397.001	99.763	93.270	93.271	4606276.530	9393217.378	133.734
147	0.500	384.522	100.049	87.980	87.981	4606262.968	9393204.795	134.339
148	1.520	393.364	99.798	64.380	64.380	4606248.698	9393226.300	133.591
149	1.520	398.651	99.710	64.810	64.810	4606251.426	9393230.938	133.682
150	1.520	1.752	99.681	64.690	64.690	4606252.502	9393233.904	133.710
151	1.520	4.787	99.775	64.750	64.750	4606253.582	9393236.795	133.615
152	1.520	6.336	99.848	64.730	64.731	4606254.031	9393238.305	133.541
153	1.520	7.168	100.225	64.370	64.370	4606253.921	9393239.216	133.159
154	1.520	338.431	99.475	31.330	31.329	4606198.665	9393226.182	133.644
155	1.520	333.252	99.354	31.550	31.549	4606196.184	9393225.524	133.706
156	1.520	326.894	99.499	31.840	31.839	4606193.056	9393224.972	133.637
157	1.520	311.474	100.015	16.770	16.770	4606188.518	9393240.389	133.382
158	1.520	321.922	99.478	15.530	15.530	4606191.301	9393241.280	133.513
159	1.520	331.956	99.639	14.620	14.620	4606193.642	9393242.267	133.469
160	1.520	314.815	101.050	5.860	5.859	4606191.084	9393251.006	133.289

161	1.520	279.163	100.923	6.010	6.009	4606188.050	9393252.262	133.299
162	1.520	248.817	101.339	8.140	8.138	4606184.432	9393253.793	133.215
163	1.520	197.459	101.409	10.890	10.887	4606182.097	9393261.324	133.145
164	1.520	186.141	101.444	14.160	14.157	4606180.368	9393264.868	133.065
165	1.520	184.123	101.434	18.480	18.476	4606177.162	9393267.807	132.970
166	1.520	171.973	101.281	18.880	18.876	4606179.250	9393270.716	133.006
167	1.520	160.584	101.275	19.300	19.296	4606181.707	9393273.118	132.999
168	1.520	160.166	101.101	19.300	19.297	4606181.814	9393273.186	133.052
169	1.520	148.694	101.722	23.000	22.992	4606183.561	9393278.182	132.764
170	1.520	156.539	101.665	22.530	22.523	4606181.220	9393276.571	132.797
171	1.520	169.233	101.024	33.010	33.006	4606170.776	9393282.074	132.855
172	1.520	175.562	100.831	34.260	34.258	4606167.476	9393280.717	132.939
173	1.520	175.819	101.001	34.310	34.306	4606167.345	9393280.652	132.847
174	1.520	181.965	101.013	33.600	33.596	4606165.716	9393277.722	132.852
175	1.520	188.159	101.138	34.130	34.125	4606163.363	9393275.358	132.776
176	1.520	190.461	100.863	55.350	55.346	4606144.499	9393285.203	132.636
177	1.520	186.721	100.828	54.950	54.946	4606146.579	9393287.718	132.672
178	1.520	182.880	100.848	54.890	54.886	4606148.574	9393290.364	132.655
179	1.520	132.445	102.245	21.450	21.437	4606189.421	9393278.076	132.630
180	1.520	121.782	102.424	19.450	19.436	4606192.911	9393276.209	132.646
181	1.520	118.134	100.653	10.890	10.890	4606193.131	9393267.624	133.274
182	1.520	130.662	101.187	11.010	11.008	4606190.981	9393267.755	133.181
183	1.520	139.138	101.846	8.490	8.487	4606190.099	9393265.066	133.140
184	1.520	155.714	103.003	6.400	6.393	4606189.011	9393262.447	133.084
185	1.520	321.369	102.774	1.930	1.928	4606191.894	9393254.869	133.302
186	1.520	54.416	104.621	1.780	1.775	4606193.583	9393257.591	133.257
187	1.520	48.135	102.676	4.350	4.346	4606196.054	9393258.353	133.203
188	1.520	35.476	101.760	4.270	4.268	4606196.205	9393257.508	133.268
189	1.520	24.925	101.242	5.810	5.809	4606197.806	9393256.807	133.273
190	1.520	79.428	100.818	10.730	10.729	4606199.010	9393264.914	133.248
191	1.520	94.464	101.151	10.210	10.208	4606196.676	9393265.867	133.201
192	1.520	47.100	101.766	16.120	16.114	4606207.130	9393262.329	132.939
193	1.520	35.412	100.709	15.320	15.319	4606207.103	9393259.341	133.215
194	1.520	22.579	100.579	14.150	14.150	4606206.138	9393256.306	133.257
195	1.520	11.058	100.786	13.310	13.309	4606204.998	9393253.948	133.222
196	1.520	5.014	100.482	21.750	21.750	4606212.707	9393250.150	133.221
197	1.520	382.958	100.247	26.630	26.630	4606213.085	9393240.532	133.283
198	1.520	374.788	100.579	24.630	24.629	4606209.416	9393239.382	133.162
199	1.520	1.461	100.195	31.900	31.900	4606221.782	9393245.370	133.288
200	1.520	7.726	100.057	32.150	32.150	4606223.001	9393248.285	133.358
201	1.520	12.877	100.113	33.070	33.070	4606224.491	9393250.649	133.327
202	1.520	16.271	100.194	33.640	33.640	4606225.337	9393252.313	133.283
203	1.520	10.838	101.165	55.760	55.751	4606246.417	9393244.685	132.366
204	1.520	7.412	99.799	55.640	55.640	4606245.580	9393241.804	133.562
205	1.520	6.174	99.897	55.650	55.651	4606245.289	9393240.763	133.477
206	1.520	2.855	99.764	55.150	55.150	4606243.910	9393238.176	133.591
207	1.520	399.132	99.818	54.800	54.800	4606242.411	9393235.311	133.543
208	1.520	396.239	99.722	54.220	54.220	4606240.860	9393233.295	133.623
209	1.520	217.358	101.538	22.900	22.894	4606169.259	9393259.456	132.833
210	1.520	208.701	101.613	25.450	25.442	4606167.362	9393263.151	132.741

21. Оценка на точността от нормираните поправки от абриса на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	55.3	[cc]
Минимално[несъвпадение,поправка,разлика]	-6.7	[cc]
Средно аритметична стойност [pw]/n	0.8	[cc]
Вероятна грешка |pw|[i](i=n/2)	18.4	[cc]
Средно аритметична грешка[|pw|]/n	21.6	[cc]
Асиметрия([pw^3]/n)/(m^3)	0.4	[cc]
Ексцес ([pw^4]/n)/(m^4)-3	-0.8	[cc]
Средна квадратна грешка за единица тежест	26.9	[cc]
СКГ за ед. тежест от всички несъвпадения	26.9	[cc]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.80 : 0.68		
Брой на допустимите разлики n	12	
Брой на недопустимите разлики m	0	

Брой на положителните грешки	6
Брой на отрицателните грешки	6
Брой на разликите(положителни-отрицателни)	0
Брой на допустимите разлики (при дов.в.96%)	6

22. Оценка на точността от координатните разлики dx на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	-13.5	[mm]
Минимално[несъвпадение,поправка,разлика]	0.4	[mm]
Средно аритметична стойност [pw]/n	-1.2	[mm]
Вероятна грешка |pw|[i](i=n/2)	1.9	[mm]
Средно аритметична грешка[|pw|]/n	3.4	[mm]
Асиметрия([pw^3]/n)/(m^3)	-1.5	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	1.2	[mm]
Средна квадратна грешка за единица тежест	5.2	[mm]
СКГ за ед. тежест от всички несъвпадения	5.2	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.66 : 0.36		
Брой на допустимите разлики n	12	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	7	
Брой на отрицателните грешки	5	
Брой на разликите(положителни-отрицателни)	2	
Брой на допустимите разлики (при дов.в.96%)	6	

23. Оценка на точността от координатните разлики dy на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	19.2	[mm]
Минимално[несъвпадение,поправка,разлика]	-2.1	[mm]
Средно аритметична стойност [pw]/n	1.3	[mm]
Вероятна грешка |pw|[i](i=n/2)	4.2	[mm]
Средно аритметична грешка[|pw|]/n	6.1	[mm]
Асиметрия([pw^3]/n)/(m^3)	1.1	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	0.1	[mm]
Средна квадратна грешка за единица тежест	8.2	[mm]
СКГ за ед. тежест от всички несъвпадения	8.2	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.75 : 0.52		
Брой на допустимите разлики n	12	
Брой на недопустимите разлики m	0	
Брой на положителните грешки	6	
Брой на отрицателните грешки	6	
Брой на разликите(положителни-отрицателни)	0	
Брой на допустимите разлики (при дов.в.96%)	6	

24. Оценка на точността от координатните разлики dh на геодезическата снимка

Максимално[несъвпадение,поправка,разлика]	103.3	[mm]
Минимално[несъвпадение,поправка,разлика]	6.2	[mm]
Средно аритметична стойност [pw]/n	39.3	[mm]
Вероятна грешка |pw|[i](i=n/2)	22.4	[mm]
Средно аритметична грешка[|pw|]/n	42.6	[mm]
Асиметрия([pw^3]/n)/(m^3)	1.4	[mm]
Ексцес ([pw^4]/n)/(m^4)-3	-0.7	[mm]
Средна квадратна грешка за единица тежест	60.6	[mm]
СКГ за ед. тежест от всички несъвпадения	60.6	[mm]
m : s : r = 1 : 0.80 : 0.67 = 1: 0.70 : 0.37		
Брой на допустимите разлики n	12	

Брой на недопустимите разлики	m	0
Брой на положителните грешки		10
Брой на отрицателните грешки		2
Брой на разликите(положителни-отрицателни)		8
Брой на допустимите разлики (при дов.в.96%)		6

Обработил:.....

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
ГПГ
// инж. ДИАН СТОЯНОВ СТОЯНОВ
Части на проекта: по удостоверение за ПЛП
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ПЛП ЗА 19[illegible] ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: **Път SZR 1001 от път III-664 км 14+400 до село Гранит**

Координатна с-ма : 1970 г.
Височинна с-ма : Балтийска

Координатен регистър РГО

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Кота	Име точка	Забележка
1	4618465.991	9399856.435	205.537	PT2	стоманен болт/шиш
2	4618301.579	9399773.296	204.226	PT3	стоманен болт/шиш
3	4617422.342	9399292.866	250.377	PT7	стоманен болт/шиш
4	4617329.313	9399119.064	263.682	PT8	стоманен болт/шиш
5	4617311.231	9398193.125	268.957	PT14	стоманен болт/шиш
6	4617396.029	9397893.821	265.271	PT15	стоманен болт/шиш
7	4616385.930	9396750.290	213.303	PT22	стоманен болт/шиш
8	4616221.778	9396586.547	205.466	PT23	стоманен болт/шиш
9	4616185.796	9396181.931	201.941	PT26	стоманен болт/шиш
10	4616148.981	9396045.960	201.089	PT27	стоманен болт/шиш
11	4615336.482	9394982.775	179.582	PT32	стоманен болт/шиш
12	4615217.644	9394788.419	176.971	PT33	стоманен болт/шиш
13	4614687.370	9394148.398	173.913	PT39	стоманен болт/шиш
14	4614624.393	9394024.543	169.367	PT40	стоманен болт/шиш
15	4618526.756	9399831.755	206.209	PT1	стоманен болт/шиш
16	4618009.693	9399600.945	209.226	PT4	стоманен болт/шиш
17	4617716.222	9399435.904	226.043	PT5	стоманен болт/шиш
18	4617522.445	9399365.156	240.677	PT6	стоманен болт/шиш
19	4617271.032	9398988.779	267.744	PT9	стоманен болт/шиш
20	4617199.133	9398845.382	265.542	PT10	стоманен болт/шиш
21	4617173.809	9398731.307	265.184	PT11	стоманен болт/шиш
22	4617182.972	9398613.632	267.802	PT12	стоманен болт/шиш
23	4617232.767	9398446.481	271.858	PT13	стоманен болт/шиш
24	4617411.995	9397560.354	260.557	PT16	стоманен болт/шиш
25	4617419.608	9397296.687	256.166	PT17	стоманен болт/шиш
26	4617354.349	9397114.787	249.070	PT18	стоманен болт/шиш
27	4617231.036	9397034.196	243.699	PT19	стоманен болт/шиш
28	4616873.535	9396909.196	230.211	PT20	стоманен болт/шиш
29	4616647.019	9396837.338	220.995	PT21	стоманен болт/шиш
30	4616183.044	9396426.798	203.144	PT24	стоманен болт/шиш

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Кота	Име точка	Забележка
1	4618465.991	9399856.435	205.537	PT2	стоманен болт/шиш
31	4616180.801	9396296.874	202.558	PT25	стоманен болт/шиш
32	4616077.569	9395925.149	199.351	PT28	стоманен болт/шиш
33	4615845.261	9395654.083	192.722	PT29	стоманен болт/шиш
34	4615688.814	9395467.430	186.849	PT30	стоманен болт/шиш
35	4615510.303	9395247.738	182.771	PT31	стоманен болт/шиш
36	4615186.091	9394673.512	176.443	PT34	стоманен болт/шиш
37	4615160.272	9394528.620	176.438	PT35	стоманен болт/шиш
38	4615091.937	9394373.466	177.103	PT36	стоманен болт/шиш
39	4615026.124	9394245.125	178.387	PT37	стоманен болт/шиш
40	4614924.262	9394174.071	179.420	PT38	стоманен болт/шиш

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Секция: ГПГ
Части на проекта: по удостоверение за ППП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част .....
Консултант: .....
Управител: .....
(инж. Д. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: **Път SZR 1001 от път III-664 км 14+400 до село Гранит**

Координатна с-ма : 1970 г.

Координатен регистър трасировъчни точки

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
1	4618481.235	9399842.346	G1	Външен ръб настилка
2	4618464.480	9399843.679	G2	Външен ръб настилка
3	4618448.229	9399839.384	G3	Външен ръб настилка
4	4618396.453	9399815.811	G4	Външен ръб настилка
5	4618393.046	9399814.396	G5	Външен ръб настилка
6	4618389.653	9399812.947	G6	Външен ръб настилка
7	4618386.439	9399809.602	G7	Външен ръб настилка
8	4618386.572	9399804.965	G8	Външен ръб настилка
9	4618388.143	9399801.498	G9	Външен ръб настилка
10	4618384.044	9399799.641	G10	Външен ръб настилка
11	4618382.516	9399803.013	G11	Външен ръб настилка
12	4618379.081	9399806.183	G12	Външен ръб настилка
13	4618374.415	9399805.927	G13	Външен ръб настилка
14	4618365.495	9399801.413	G14	Външен ръб настилка
15	4618356.702	9399796.655	G15	Външен ръб настилка
16	4618327.425	9399780.042	G16	Външен ръб настилка
17	4618324.941	9399777.342	G17	Външен ръб настилка
18	4618324.493	9399773.700	G18	Външен ръб настилка
19	4618324.931	9399771.401	G19	Външен ръб настилка
20	4618242.879	9399738.966	G20	Външен ръб настилка
21	4618353.741	9399801.874	G21	Външен ръб настилка
22	4618373.049	9399813.208	G22	Външен ръб настилка
23	4618393.139	9399823.092	G23	Външен ръб настилка
24	4618446.102	9399847.206	G24	Външен ръб настилка
25	4618450.171	9399852.924	G25	Външен ръб настилка
26	4618447.235	9399859.298	G26	Външен ръб настилка
27	4617443.100	9399309.341	G27	Външен ръб настилка
28	4617430.018	9399300.446	G28	Външен ръб настилка
29	4617419.997	9399289.277	G29	Външен ръб настилка
30	4617412.842	9399275.666	G30	Външен ръб настилка
31	4617421.798	9397370.697	G31	Външен ръб настилка
32	4617425.622	9397350.838	G32	Външен ръб настилка

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
33	4617426.448	9397330.855	G33	Външен ръб настилка
34	4617423.884	9397318.738	G34	Външен ръб настилка
35	4616950.470	9396939.713	G35	Външен ръб настилка
36	4616938.136	9396938.778	G36	Външен ръб настилка
37	4616926.748	9396934.995	G37	Външен ръб настилка
38	4616913.458	9396927.420	G38	Външен ръб настилка
39	4616185.376	9396304.429	G39	Външен ръб настилка
40	4616189.350	9396289.654	G40	Външен ръб настилка
41	4616190.137	9396277.680	G41	Външен ръб настилка
42	4616187.895	9396265.511	G42	Външен ръб настилка
43	4614711.947	9394153.942	G43	Външен ръб настилка
44	4614709.653	9394151.992	G44	Външен ръб настилка
45	4614710.207	9394149.033	G45	Външен ръб настилка
46	4614710.556	9394148.628	G46	Външен ръб настилка
47	4614707.145	9394145.693	G47	Външен ръб настилка
48	4614705.589	9394147.501	G48	Външен ръб настилка
49	4614701.983	9394149.512	G49	Външен ръб настилка
50	4614697.931	9394148.718	G50	Външен ръб настилка
51	4614689.122	9394141.478	G51	Външен ръб настилка
52	4614682.713	9394132.047	G52	Външен ръб настилка
53	4614715.497	9394154.385	G53	Външен ръб настилка
54	4614726.719	9394152.517	G54	Външен ръб настилка
55	4614746.656	9394154.101	G55	Външен ръб настилка
56	4614771.360	9394158.822	G56	Външен ръб настилка
57	4618267.674	9399746.137	G57	Външен ръб настилка
58	4618279.468	9399749.668	G58	Външен ръб настилка
59	4618296.862	9399759.538	G59	Външен ръб настилка
60	4618317.249	9399774.268	G60	Външен ръб настилка
61	4618318.176	9399774.794	G61	Външен ръб настилка
62	4618465.869	9399851.811	A1	Елементи на оста
63	4618394.796	9399819.451	A2	Елементи на оста
64	4618355.222	9399799.264	A3	Елементи на оста
65	4618181.024	9399700.418	A4	Елементи на оста
66	4617883.326	9399531.060	A5	Елементи на оста
67	4617780.438	9399472.395	A6	Елементи на оста
68	4617727.782	9399443.649	A7	Елементи на оста
69	4617703.629	9399432.338	A8	Елементи на оста
70	4617647.833	9399410.296	A9	Елементи на оста
71	4617556.480	9399376.149	A10	Елементи на оста
72	4617529.613	9399365.513	A11	Елементи на оста
73	4617473.313	9399331.165	A12	Елементи на оста
74	4617462.895	9399322.739	A13	Елементи на оста
75	4617392.444	9399239.322	A14	Елементи на оста
76	4617376.758	9399208.619	A15	Елементи на оста

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
77	4617266.253	9398981.307	A16	Елементи на оста
78	4617227.580	9398903.298	A17	Елементи на оста
79	4617209.057	9398864.130	A18	Елементи на оста
80	4617189.665	9398807.007	A19	Елементи на оста
81	4617186.253	9398793.635	A20	Елементи на оста
82	4617184.842	9398616.375	A21	Елементи на оста
83	4617196.185	9398575.703	A22	Елементи на оста
84	4617212.876	9398519.978	A23	Елементи на оста
85	4617372.765	9397978.114	A24	Елементи на оста
86	4617386.907	9397926.697	A25	Елементи на оста
87	4617397.447	9397863.058	A26	Елементи на оста
88	4617400.637	9397809.827	A27	Елементи на оста
89	4617420.349	9397333.136	A28	Елементи на оста
90	4617421.033	9397303.148	A29	Елементи на оста
91	4617410.693	9397232.889	A30	Елементи на оста
92	4617407.561	9397221.915	A31	Елементи на оста
93	4617236.297	9397032.205	A32	Елементи на оста
94	4617203.799	9397020.691	A33	Елементи на оста
95	4616490.236	9396783.693	A34	Елементи на оста
96	4616449.377	9396769.277	A35	Елементи на оста
97	4616352.260	9396713.644	A36	Елементи на оста
98	4616319.156	9396685.690	A37	Елементи на оста
99	4616300.267	9396669.131	A38	Елементи на оста
100	4616279.720	9396650.373	A39	Елементи на оста
101	4616233.095	9396584.171	A40	Елементи на оста
102	4616228.075	9396573.415	A41	Елементи на оста
103	4616180.251	9396352.582	A42	Елементи на оста
104	4616182.921	9396295.986	A43	Елементи на оста
105	4616183.887	9396281.295	A44	Елементи на оста
106	4616185.966	9396240.206	A45	Елементи на оста
107	4616152.339	9396059.263	A46	Елементи на оста
108	4616115.387	9395986.187	A47	Елементи на оста
109	4616063.407	9395911.162	A48	Елементи на оста
110	4616041.883	9395885.077	A49	Елементи на оста
111	4615728.405	9395511.541	A50	Елементи на оста
112	4615669.146	9395440.928	A51	Елементи на оста
113	4615641.569	9395407.079	A52	Елементи на оста
114	4615511.110	9395242.104	A53	Елементи на оста
115	4615489.160	9395211.485	A54	Елементи на оста
116	4615247.930	9394839.140	A55	Елементи на оста
117	4615181.332	9394660.018	A56	Елементи на оста
118	4615178.614	9394637.454	A57	Елементи на оста
119	4615177.035	9394623.316	A58	Елементи на оста
120	4615174.434	9394601.600	A59	Елементи на оста

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
121	4615153.272	9394513.130	A60	Елементи на оста
122	4615107.262	9394409.340	A61	Елементи на оста
123	4615045.290	9394283.839	A62	Елементи на оста
124	4615034.761	9394263.578	A63	Елементи на оста
125	4614992.463	9394213.259	A64	Елементи на оста
126	4614985.372	9394207.367	A65	Елементи на оста
127	4614910.132	9394173.435	A66	Елементи на оста
128	4614887.038	9394171.019	A67	Елементи на оста
129	4614710.127	9394156.968	A68	Елементи на оста
130	4614681.441	9394137.422	A69	Елементи на оста

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Секция: ГПГ
Части на проекта: по удостоверение за ППП
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: **Път SZR 1001 от път III-664 км 14+400 до село Гранит**

Координатна с-ма : 1970 г.

Височинна с-ма : Балтийска

Координатен регистър пикетни точки ос пътно платно

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
0	4618465.869	9399851.811	205.689
10	4618456.768	9399847.667	205.640
20	4618447.667	9399843.523	205.590
30	4618438.566	9399839.380	205.520
40	4618429.465	9399835.236	205.449
50	4618420.364	9399831.092	205.378
60	4618411.263	9399826.949	205.307
70	4618402.162	9399822.805	205.236
80	4618393.062	9399818.658	205.165
90	4618384.019	9399814.389	205.094
100	4618375.064	9399809.940	205.023
110	4618366.199	9399805.313	204.953
120	4618357.428	9399800.509	204.882
130	4618348.728	9399795.580	204.811
140	4618340.030	9399790.644	204.748
150	4618331.333	9399785.709	204.695
160	4618322.636	9399780.774	204.652
170	4618313.938	9399775.839	204.619
180	4618305.241	9399770.904	204.596
190	4618296.544	9399765.968	204.583
200	4618287.846	9399761.033	204.580
210	4618279.149	9399756.098	204.587
220	4618270.452	9399751.163	204.604
230	4618261.754	9399746.228	204.631
240	4618253.057	9399741.292	204.668
250	4618244.360	9399736.357	204.715
260	4618235.662	9399731.422	204.773
270	4618226.965	9399726.487	204.840
280	4618218.268	9399721.552	204.917

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
290	4618209.570	9399716.616	205.004
300	4618200.873	9399711.681	205.101
310	4618192.176	9399706.746	205.208
320	4618183.478	9399701.811	205.325
330	4618174.785	9399696.869	205.447
340	4618166.093	9399691.924	205.570
350	4618157.401	9399686.979	205.698
360	4618148.709	9399682.034	205.840
370	4618140.017	9399677.090	205.997
380	4618131.325	9399672.145	206.167
390	4618122.633	9399667.200	206.352
400	4618113.941	9399662.255	206.551
410	4618105.250	9399657.311	206.765
420	4618096.558	9399652.366	206.993
430	4618087.866	9399647.421	207.234
440	4618079.174	9399642.476	207.478
450	4618070.482	9399637.532	207.722
460	4618061.790	9399632.587	207.966
470	4618053.098	9399627.642	208.210
480	4618044.406	9399622.697	208.454
490	4618035.714	9399617.753	208.698
500	4618027.022	9399612.808	208.942
510	4618018.330	9399607.863	209.185
520	4618009.638	9399602.918	209.429
530	4618000.946	9399597.974	209.673
540	4617992.255	9399593.029	209.917
550	4617983.563	9399588.084	210.161
560	4617974.871	9399583.139	210.407
570	4617966.179	9399578.195	210.669
580	4617957.487	9399573.250	210.952
590	4617948.795	9399568.305	211.256
600	4617940.103	9399563.361	211.580
610	4617931.411	9399558.416	211.925
620	4617922.719	9399553.471	212.292
630	4617914.027	9399548.526	212.679
640	4617905.335	9399543.582	213.087
650	4617896.643	9399538.637	213.515
660	4617887.952	9399533.692	213.965
670	4617879.262	9399528.743	214.435
680	4617870.575	9399523.790	214.927
690	4617861.888	9399518.837	215.439
700	4617853.201	9399513.883	215.972
710	4617844.514	9399508.930	216.525
720	4617835.827	9399503.977	217.100

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
730	4617827.140	9399499.023	217.695
740	4617818.453	9399494.070	218.312
750	4617809.766	9399489.117	218.949
760	4617801.078	9399484.164	219.607
770	4617792.391	9399479.210	220.279
780	4617783.704	9399474.257	220.952
790	4617775.017	9399469.305	221.625
800	4617766.319	9399464.369	222.298
810	4617757.597	9399459.478	222.971
820	4617748.836	9399454.657	223.644
830	4617740.022	9399449.935	224.317
840	4617731.141	9399445.338	224.991
850	4617722.182	9399440.896	225.664
860	4617713.142	9399436.620	226.337
870	4617704.025	9399432.512	227.010
880	4617694.835	9399428.570	227.683
890	4617685.585	9399424.771	228.358
900	4617676.288	9399421.087	229.037
910	4617666.957	9399417.491	229.722
920	4617657.603	9399413.955	230.411
930	4617648.238	9399410.448	231.106
940	4617638.871	9399406.947	231.806
950	4617629.504	9399403.445	232.510
960	4617620.137	9399399.944	233.220
970	4617610.770	9399396.443	233.934
980	4617601.403	9399392.941	234.654
990	4617592.036	9399389.440	235.379
1000	4617582.669	9399385.939	236.108
1010	4617573.302	9399382.437	236.843
1020	4617563.935	9399378.936	237.582
1030	4617554.568	9399375.435	238.327
1040	4617545.215	9399371.896	239.077
1050	4617535.923	9399368.202	239.831
1060	4617526.748	9399364.227	240.591
1070	4617517.735	9399359.895	241.355
1080	4617508.904	9399355.206	242.125
1090	4617500.266	9399350.167	242.900
1100	4617491.838	9399344.788	243.679
1110	4617483.631	9399339.075	244.464
1120	4617475.659	9399333.039	245.254
1130	4617467.872	9399326.765	246.048
1140	4617460.111	9399320.459	246.846
1150	4617452.526	9399313.943	247.639
1160	4617445.170	9399307.169	248.423

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1170	4617438.052	9399300.146	249.196
1180	4617431.181	9399292.882	249.959
1190	4617424.564	9399285.385	250.713
1200	4617418.209	9399277.664	251.456
1210	4617412.124	9399269.729	252.190
1220	4617406.317	9399261.589	252.913
1230	4617400.793	9399253.253	253.626
1240	4617395.561	9399244.732	254.330
1250	4617390.624	9399236.036	255.023
1260	4617385.953	9399227.194	255.707
1270	4617381.466	9399218.257	256.387
1280	4617377.076	9399209.273	257.067
1290	4617372.704	9399200.279	257.747
1300	4617368.332	9399191.286	258.427
1310	4617363.959	9399182.292	259.107
1320	4617359.587	9399173.298	259.788
1330	4617355.215	9399164.305	260.468
1340	4617350.843	9399155.311	261.148
1350	4617346.471	9399146.318	261.828
1360	4617342.099	9399137.324	262.494
1370	4617337.727	9399128.330	263.122
1380	4617333.355	9399119.337	263.712
1390	4617328.983	9399110.343	264.263
1400	4617324.610	9399101.350	264.776
1410	4617320.238	9399092.356	265.251
1420	4617315.866	9399083.363	265.686
1430	4617311.494	9399074.369	266.084
1440	4617307.122	9399065.375	266.443
1450	4617302.750	9399056.382	266.763
1460	4617298.378	9399047.388	267.045
1470	4617294.006	9399038.395	267.289
1480	4617289.633	9399029.401	267.494
1490	4617285.261	9399020.407	267.661
1500	4617280.889	9399011.414	267.789
1510	4617276.517	9399002.420	267.879
1520	4617272.145	9398993.427	267.930
1530	4617267.773	9398984.433	267.943
1540	4617263.355	9398975.462	267.917
1550	4617258.914	9398966.502	267.853
1560	4617254.472	9398957.543	267.750
1570	4617250.030	9398948.584	267.609
1580	4617245.589	9398939.624	267.439
1590	4617241.147	9398930.665	267.268
1600	4617236.705	9398921.705	267.096

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1610	4617232.263	9398912.746	266.925
1620	4617227.822	9398903.786	266.753
1630	4617223.388	9398894.823	266.582
1640	4617219.004	9398885.836	266.410
1650	4617214.723	9398876.798	266.238
1660	4617210.601	9398867.687	266.067
1670	4617206.691	9398858.484	265.895
1680	4617203.017	9398849.183	265.737
1690	4617199.584	9398839.792	265.598
1700	4617196.392	9398830.315	265.479
1710	4617193.444	9398820.760	265.380
1720	4617190.742	9398811.132	265.301
1730	4617188.246	9398801.448	265.242
1740	4617185.779	9398791.758	265.203
1750	4617183.488	9398782.024	265.185
1760	4617181.461	9398772.232	265.186
1770	4617179.700	9398762.388	265.207
1780	4617178.206	9398752.501	265.248
1790	4617176.979	9398742.577	265.309
1800	4617176.020	9398732.623	265.390
1810	4617175.331	9398722.647	265.491
1820	4617174.912	9398712.656	265.613
1830	4617174.763	9398702.658	265.754
1840	4617174.885	9398692.659	265.915
1850	4617175.276	9398682.667	266.096
1860	4617175.938	9398672.689	266.297
1870	4617176.868	9398662.732	266.518
1880	4617178.068	9398652.805	266.759
1890	4617179.535	9398642.914	267.021
1900	4617181.269	9398633.065	267.302
1910	4617183.269	9398623.268	267.603
1920	4617185.532	9398613.527	267.924
1930	4617188.036	9398603.846	268.265
1940	4617190.721	9398594.214	268.621
1950	4617193.525	9398584.615	268.978
1960	4617196.386	9398575.033	269.329
1970	4617199.255	9398565.453	269.660
1980	4617202.125	9398555.874	269.969
1990	4617204.994	9398546.294	270.257
2000	4617207.863	9398536.715	270.524
2010	4617210.732	9398527.135	270.769
2020	4617213.592	9398517.553	270.993
2030	4617216.422	9398507.961	271.196
2040	4617219.252	9398498.370	271.378

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2050	4617222.082	9398488.779	271.538
2060	4617224.912	9398479.188	271.677
2070	4617227.742	9398469.597	271.795
2080	4617230.572	9398460.005	271.892
2090	4617233.402	9398450.414	271.967
2100	4617236.232	9398440.823	272.021
2110	4617239.062	9398431.232	272.054
2120	4617241.893	9398421.641	272.065
2130	4617244.723	9398412.050	272.055
2140	4617247.553	9398402.458	272.024
2150	4617250.383	9398392.867	271.972
2160	4617253.213	9398383.276	271.898
2170	4617256.043	9398373.685	271.809
2180	4617258.873	9398364.094	271.720
2190	4617261.703	9398354.503	271.630
2200	4617264.533	9398344.911	271.540
2210	4617267.363	9398335.320	271.449
2220	4617270.193	9398325.729	271.350
2230	4617273.024	9398316.138	271.240
2240	4617275.854	9398306.547	271.120
2250	4617278.684	9398296.956	270.991
2260	4617281.514	9398287.364	270.851
2270	4617284.344	9398277.773	270.701
2280	4617287.174	9398268.182	270.542
2290	4617290.004	9398258.591	270.382
2300	4617292.834	9398249.000	270.221
2310	4617295.664	9398239.409	270.060
2320	4617298.494	9398229.817	269.899
2330	4617301.324	9398220.226	269.738
2340	4617304.154	9398210.635	269.578
2350	4617306.985	9398201.044	269.417
2360	4617309.815	9398191.453	269.256
2370	4617312.645	9398181.861	269.095
2380	4617315.475	9398172.270	268.934
2390	4617318.305	9398162.679	268.774
2400	4617321.135	9398153.088	268.613
2410	4617323.965	9398143.497	268.452
2420	4617326.795	9398133.906	268.291
2430	4617329.625	9398124.314	268.130
2440	4617332.455	9398114.723	267.970
2450	4617335.285	9398105.132	267.809
2460	4617338.116	9398095.541	267.648
2470	4617340.946	9398085.950	267.488
2480	4617343.776	9398076.359	267.334

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2490	4617346.606	9398066.767	267.188
2500	4617349.436	9398057.176	267.050
2510	4617352.266	9398047.585	266.920
2520	4617355.096	9398037.994	266.797
2530	4617357.926	9398028.403	266.682
2540	4617360.756	9398018.812	266.574
2550	4617363.586	9398009.220	266.475
2560	4617366.416	9397999.629	266.381
2570	4617369.247	9397990.038	266.289
2580	4617372.077	9397980.447	266.196
2590	4617374.904	9397970.855	266.104
2600	4617377.703	9397961.255	266.011
2610	4617380.436	9397951.635	265.918
2620	4617383.065	9397941.987	265.826
2630	4617385.552	9397932.302	265.733
2640	4617387.860	9397922.572	265.641
2650	4617389.965	9397912.796	265.548
2660	4617391.867	9397902.979	265.456
2670	4617393.563	9397893.124	265.363
2680	4617395.054	9397883.236	265.271
2690	4617396.338	9397873.319	265.178
2700	4617397.416	9397863.377	265.085
2710	4617398.292	9397853.416	264.951
2720	4617398.998	9397843.441	264.810
2730	4617399.573	9397833.457	264.669
2740	4617400.056	9397823.469	264.528
2750	4617400.485	9397813.478	264.387
2760	4617400.899	9397803.487	264.246
2770	4617401.312	9397793.495	264.105
2780	4617401.725	9397783.504	263.964
2790	4617402.138	9397773.512	263.822
2800	4617402.551	9397763.521	263.681
2810	4617402.965	9397753.529	263.540
2820	4617403.378	9397743.538	263.399
2830	4617403.791	9397733.547	263.258
2840	4617404.204	9397723.555	263.117
2850	4617404.617	9397713.564	262.976
2860	4617405.031	9397703.572	262.835
2870	4617405.444	9397693.581	262.694
2880	4617405.857	9397683.589	262.552
2890	4617406.270	9397673.598	262.411
2900	4617406.683	9397663.606	262.270
2910	4617407.096	9397653.615	262.129
2920	4617407.510	9397643.623	261.988

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2930	4617407.923	9397633.632	261.847
2940	4617408.336	9397623.641	261.706
2950	4617408.749	9397613.649	261.565
2960	4617409.162	9397603.658	261.424
2970	4617409.575	9397593.666	261.282
2980	4617409.989	9397583.675	261.141
2990	4617410.402	9397573.683	261.000
3000	4617410.815	9397563.692	260.859
3010	4617411.228	9397553.700	260.718
3020	4617411.641	9397543.709	260.577
3030	4617412.054	9397533.717	260.436
3040	4617412.468	9397523.726	260.295
3050	4617412.881	9397513.734	260.154
3060	4617413.294	9397503.743	260.013
3070	4617413.707	9397493.752	259.871
3080	4617414.120	9397483.760	259.730
3090	4617414.534	9397473.769	259.589
3100	4617414.947	9397463.777	259.448
3110	4617415.360	9397453.786	259.307
3120	4617415.773	9397443.794	259.166
3130	4617416.186	9397433.803	259.025
3140	4617416.599	9397423.811	258.884
3150	4617417.013	9397413.820	258.743
3160	4617417.426	9397403.828	258.597
3170	4617417.839	9397393.837	258.441
3180	4617418.252	9397383.845	258.273
3190	4617418.665	9397373.854	258.095
3200	4617419.078	9397363.863	257.905
3210	4617419.492	9397353.871	257.704
3220	4617419.905	9397343.880	257.492
3230	4617420.318	9397333.888	257.269
3240	4617420.715	9397323.896	257.035
3250	4617420.998	9397313.900	256.790
3260	4617421.043	9397303.901	256.533
3270	4617420.743	9397293.906	256.266
3280	4617420.074	9397283.929	255.987
3290	4617419.036	9397273.983	255.697
3300	4617417.630	9397264.083	255.397
3310	4617415.858	9397254.242	255.085
3320	4617413.723	9397244.473	254.762
3330	4617411.228	9397234.790	254.427
3340	4617408.491	9397225.172	254.082
3350	4617405.674	9397215.577	253.726
3360	4617402.547	9397206.079	253.358

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
3370	4617399.094	9397196.695	252.980
3380	4617395.320	9397187.435	252.590
3390	4617391.229	9397178.310	252.189
3400	4617386.826	9397169.333	251.778
3410	4617382.115	9397160.512	251.364
3420	4617377.104	9397151.859	250.951
3430	4617371.797	9397143.384	250.537
3440	4617366.201	9397135.097	250.124
3450	4617360.323	9397127.007	249.710
3460	4617354.169	9397119.126	249.296
3470	4617347.748	9397111.461	248.883
3480	4617341.066	9397104.022	248.505
3490	4617334.131	9397096.817	248.161
3500	4617326.952	9397089.857	247.816
3510	4617319.537	9397083.147	247.472
3520	4617311.896	9397076.698	247.127
3530	4617304.037	9397070.515	246.783
3540	4617295.969	9397064.608	246.438
3550	4617287.702	9397058.982	246.094
3560	4617279.246	9397053.644	245.750
3570	4617270.612	9397048.601	245.405
3580	4617261.808	9397043.859	245.061
3590	4617252.847	9397039.423	244.716
3600	4617243.737	9397035.298	244.372
3610	4617234.491	9397031.490	244.027
3620	4617225.129	9397027.977	243.683
3630	4617215.690	9397024.675	243.338
3640	4617206.210	9397021.492	242.994
3650	4617196.720	9397018.340	242.649
3660	4617187.230	9397015.188	242.305
3670	4617177.739	9397012.036	241.960
3680	4617168.249	9397008.884	241.616
3690	4617158.759	9397005.732	241.271
3700	4617149.269	9397002.580	240.927
3710	4617139.778	9396999.428	240.582
3720	4617130.288	9396996.276	240.238
3730	4617120.798	9396993.124	239.893
3740	4617111.308	9396989.972	239.549
3750	4617101.817	9396986.820	239.204
3760	4617092.327	9396983.668	238.860
3770	4617082.837	9396980.516	238.515
3780	4617073.347	9396977.364	238.171
3790	4617063.856	9396974.212	237.826
3800	4617054.366	9396971.060	237.482

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
3810	4617044.876	9396967.908	237.138
3820	4617035.386	9396964.756	236.793
3830	4617025.896	9396961.604	236.449
3840	4617016.405	9396958.451	236.104
3850	4617006.915	9396955.299	235.760
3860	4616997.425	9396952.147	235.415
3870	4616987.935	9396948.995	235.071
3880	4616978.444	9396945.843	234.726
3890	4616968.954	9396942.691	234.368
3900	4616959.464	9396939.539	233.980
3910	4616949.974	9396936.387	233.593
3920	4616940.483	9396933.235	233.206
3930	4616930.993	9396930.083	232.818
3940	4616921.503	9396926.931	232.431
3950	4616912.013	9396923.779	232.044
3960	4616902.522	9396920.627	231.656
3970	4616893.032	9396917.475	231.269
3980	4616883.542	9396914.323	230.881
3990	4616874.052	9396911.171	230.494
4000	4616864.561	9396908.019	230.107
4010	4616855.071	9396904.867	229.719
4020	4616845.581	9396901.715	229.332
4030	4616836.091	9396898.563	228.945
4040	4616826.600	9396895.411	228.557
4050	4616817.110	9396892.259	228.170
4060	4616807.620	9396889.107	227.783
4070	4616798.130	9396885.955	227.395
4080	4616788.639	9396882.803	227.008
4090	4616779.149	9396879.651	226.620
4100	4616769.659	9396876.499	226.233
4110	4616760.169	9396873.347	225.846
4120	4616750.679	9396870.195	225.458
4130	4616741.188	9396867.042	225.071
4140	4616731.698	9396863.890	224.684
4150	4616722.208	9396860.738	224.296
4160	4616712.718	9396857.586	223.909
4170	4616703.227	9396854.434	223.522
4180	4616693.737	9396851.282	223.134
4190	4616684.247	9396848.130	222.747
4200	4616674.757	9396844.978	222.359
4210	4616665.266	9396841.826	221.972
4220	4616655.776	9396838.674	221.585
4230	4616646.286	9396835.522	221.197
4240	4616636.796	9396832.370	220.810

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
4250	4616627.305	9396829.218	220.423
4260	4616617.815	9396826.066	220.035
4270	4616608.325	9396822.914	219.651
4280	4616598.835	9396819.762	219.276
4290	4616589.344	9396816.610	218.910
4300	4616579.854	9396813.458	218.553
4310	4616570.364	9396810.306	218.205
4320	4616560.874	9396807.154	217.866
4330	4616551.383	9396804.002	217.536
4340	4616541.893	9396800.850	217.216
4350	4616532.403	9396797.698	216.904
4360	4616522.913	9396794.546	216.602
4370	4616513.422	9396791.394	216.309
4380	4616503.932	9396788.242	216.024
4390	4616494.442	9396785.090	215.749
4400	4616484.952	9396781.936	215.483
4410	4616475.473	9396778.750	215.226
4420	4616466.024	9396775.477	214.975
4430	4616456.626	9396772.062	214.725
4440	4616447.301	9396768.450	214.472
4450	4616438.071	9396764.604	214.210
4460	4616428.942	9396760.522	213.940
4470	4616419.920	9396756.208	213.662
4480	4616411.013	9396751.664	213.376
4490	4616402.224	9396746.894	213.081
4500	4616393.561	9396741.899	212.778
4510	4616385.029	9396736.684	212.466
4520	4616376.633	9396731.252	212.150
4530	4616368.380	9396725.607	211.834
4540	4616360.273	9396719.751	211.518
4550	4616352.320	9396713.690	211.202
4560	4616344.519	9396707.435	210.886
4570	4616336.842	9396701.026	210.570
4580	4616329.255	9396694.512	210.254
4590	4616321.720	9396687.937	209.938
4600	4616314.200	9396681.345	209.622
4610	4616306.681	9396674.753	209.306
4620	4616299.161	9396668.161	208.990
4630	4616291.667	9396661.540	208.674
4640	4616284.294	9396654.785	208.358
4650	4616277.150	9396647.789	208.042
4660	4616270.313	9396640.492	207.726
4670	4616263.799	9396632.906	207.410
4680	4616257.621	9396625.044	207.095

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
4690	4616251.790	9396616.920	206.780
4700	4616246.318	9396608.551	206.478
4710	4616241.216	9396599.952	206.190
4720	4616236.491	9396591.139	205.916
4730	4616232.144	9396582.134	205.656
4740	4616227.916	9396573.072	205.411
4750	4616223.782	9396563.966	205.180
4760	4616219.829	9396554.781	204.963
4770	4616216.056	9396545.521	204.761
4780	4616212.465	9396536.188	204.573
4790	4616209.058	9396526.786	204.399
4800	4616205.836	9396517.320	204.240
4810	4616202.800	9396507.792	204.094
4820	4616199.952	9396498.206	203.964
4830	4616197.292	9396488.567	203.847
4840	4616194.821	9396478.877	203.744
4850	4616192.541	9396469.140	203.656
4860	4616190.453	9396459.361	203.583
4870	4616188.556	9396449.543	203.523
4880	4616186.853	9396439.689	203.475
4890	4616185.343	9396429.804	203.427
4900	4616184.027	9396419.891	203.379
4910	4616182.905	9396409.954	203.331
4920	4616181.979	9396399.997	203.284
4930	4616181.248	9396390.024	203.236
4940	4616180.713	9396380.039	203.188
4950	4616180.373	9396370.045	203.140
4960	4616180.230	9396360.046	203.093
4970	4616180.283	9396350.046	203.045
4980	4616180.520	9396340.049	202.997
4990	4616180.910	9396330.057	202.949
5000	4616181.419	9396320.070	202.901
5010	4616182.010	9396310.087	202.854
5020	4616182.650	9396300.108	202.806
5030	4616183.306	9396290.129	202.758
5040	4616183.962	9396280.151	202.710
5050	4616184.606	9396270.172	202.663
5060	4616185.190	9396260.189	202.615
5070	4616185.662	9396250.200	202.567
5080	4616185.966	9396240.205	202.519
5090	4616186.059	9396230.205	202.472
5100	4616185.933	9396220.206	202.424
5110	4616185.585	9396210.213	202.376
5120	4616185.018	9396200.229	202.328

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
5130	4616184.231	9396190.260	202.281
5140	4616183.225	9396180.311	202.233
5150	4616182.000	9396170.387	202.185
5160	4616180.557	9396160.492	202.137
5170	4616178.896	9396150.631	202.090
5180	4616177.018	9396140.809	202.042
5190	4616174.924	9396131.031	201.991
5200	4616172.616	9396121.301	201.935
5210	4616170.094	9396111.624	201.874
5220	4616167.359	9396102.006	201.808
5230	4616164.413	9396092.450	201.737
5240	4616161.258	9396082.961	201.661
5250	4616157.894	9396073.544	201.580
5260	4616154.324	9396064.203	201.494
5270	4616150.549	9396054.943	201.403
5280	4616146.575	9396045.767	201.307
5290	4616142.411	9396036.675	201.207
5300	4616138.068	9396027.668	201.101
5310	4616133.556	9396018.744	200.990
5320	4616128.882	9396009.903	200.874
5330	4616124.058	9396001.144	200.753
5340	4616119.092	9395992.464	200.627
5350	4616113.992	9395983.862	200.496
5360	4616108.766	9395975.337	200.360
5370	4616103.415	9395966.889	200.219
5380	4616097.940	9395958.521	200.074
5390	4616092.342	9395950.235	199.929
5400	4616086.622	9395942.033	199.784
5410	4616080.782	9395933.915	199.638
5420	4616074.823	9395925.885	199.493
5430	4616068.746	9395917.943	199.348
5440	4616062.552	9395910.092	199.203
5450	4616056.252	9395902.327	199.057
5460	4616049.876	9395894.623	198.912
5470	4616043.458	9395886.954	198.767
5480	4616037.030	9395879.294	198.621
5490	4616030.602	9395871.634	198.476
5500	4616024.173	9395863.974	198.331
5510	4616017.745	9395856.314	198.186
5520	4616011.316	9395848.654	198.040
5530	4616004.888	9395840.994	197.891
5540	4615998.460	9395833.334	197.735
5550	4615992.031	9395825.674	197.570
5560	4615985.603	9395818.014	197.398

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
5570	4615979.174	9395810.354	197.218
5580	4615972.746	9395802.694	197.031
5590	4615966.318	9395795.034	196.836
5600	4615959.889	9395787.374	196.639
5610	4615953.461	9395779.714	196.442
5620	4615947.032	9395772.054	196.245
5630	4615940.604	9395764.394	196.048
5640	4615934.176	9395756.734	195.851
5650	4615927.747	9395749.074	195.654
5660	4615921.319	9395741.414	195.457
5670	4615914.890	9395733.754	195.260
5680	4615908.462	9395726.094	195.063
5690	4615902.034	9395718.434	194.866
5700	4615895.605	9395710.774	194.667
5710	4615889.177	9395703.114	194.462
5720	4615882.748	9395695.454	194.251
5730	4615876.320	9395687.794	194.032
5740	4615869.892	9395680.134	193.807
5750	4615863.463	9395672.474	193.576
5760	4615857.035	9395664.814	193.337
5770	4615850.606	9395657.154	193.092
5780	4615844.178	9395649.494	192.843
5790	4615837.749	9395641.834	192.594
5800	4615831.321	9395634.174	192.344
5810	4615824.893	9395626.514	192.095
5820	4615818.464	9395618.854	191.845
5830	4615812.036	9395611.194	191.596
5840	4615805.607	9395603.534	191.347
5850	4615799.179	9395595.874	191.097
5860	4615792.751	9395588.214	190.848
5870	4615786.322	9395580.554	190.598
5880	4615779.894	9395572.894	190.349
5890	4615773.465	9395565.234	190.100
5900	4615767.037	9395557.574	189.850
5910	4615760.609	9395549.914	189.601
5920	4615754.180	9395542.254	189.351
5930	4615747.752	9395534.594	189.102
5940	4615741.323	9395526.934	188.858
5950	4615734.895	9395519.274	188.620
5960	4615728.467	9395511.614	188.390
5970	4615722.038	9395503.954	188.165
5980	4615715.610	9395496.294	187.948
5990	4615709.181	9395488.634	187.737
6000	4615702.753	9395480.974	187.533

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
6010	4615696.325	9395473.314	187.335
6020	4615689.896	9395465.654	187.144
6030	4615683.468	9395457.994	186.960
6040	4615677.039	9395450.334	186.782
6050	4615670.611	9395442.674	186.611
6060	4615664.198	9395435.001	186.439
6070	4615657.835	9395427.287	186.268
6080	4615651.523	9395419.530	186.096
6090	4615645.263	9395411.732	185.925
6100	4615639.051	9395403.895	185.754
6110	4615632.849	9395396.052	185.582
6120	4615626.646	9395388.208	185.411
6130	4615620.443	9395380.364	185.243
6140	4615614.240	9395372.520	185.083
6150	4615608.038	9395364.676	184.930
6160	4615601.835	9395356.832	184.785
6170	4615595.632	9395348.988	184.648
6180	4615589.429	9395341.145	184.519
6190	4615583.227	9395333.301	184.397
6200	4615577.024	9395325.457	184.277
6210	4615570.821	9395317.613	184.157
6220	4615564.618	9395309.769	184.038
6230	4615558.416	9395301.925	183.918
6240	4615552.213	9395294.082	183.798
6250	4615546.010	9395286.238	183.679
6260	4615539.807	9395278.394	183.559
6270	4615533.605	9395270.550	183.439
6280	4615527.402	9395262.706	183.319
6290	4615521.199	9395254.862	183.177
6300	4615514.996	9395247.018	183.034
6310	4615508.807	9395239.164	182.892
6320	4615502.778	9395231.187	182.749
6330	4615496.949	9395223.061	182.606
6340	4615491.325	9395214.793	182.467
6350	4615485.872	9395206.411	182.334
6360	4615480.434	9395198.018	182.210
6370	4615474.997	9395189.625	182.093
6380	4615469.560	9395181.233	181.984
6390	4615464.123	9395172.840	181.883
6400	4615458.685	9395164.448	181.790
6410	4615453.248	9395156.055	181.704
6420	4615447.811	9395147.662	181.621
6430	4615442.374	9395139.270	181.538
6440	4615436.936	9395130.877	181.455

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
6450	4615431.499	9395122.484	181.372
6460	4615426.062	9395114.092	181.289
6470	4615420.624	9395105.699	181.206
6480	4615415.187	9395097.307	181.123
6490	4615409.750	9395088.914	181.040
6500	4615404.313	9395080.521	180.957
6510	4615398.875	9395072.129	180.874
6520	4615393.438	9395063.736	180.791
6530	4615388.001	9395055.344	180.708
6540	4615382.563	9395046.951	180.625
6550	4615377.126	9395038.558	180.542
6560	4615371.689	9395030.166	180.459
6570	4615366.252	9395021.773	180.376
6580	4615360.814	9395013.380	180.293
6590	4615355.377	9395004.988	180.210
6600	4615349.940	9394996.595	180.121
6610	4615344.502	9394988.203	179.990
6620	4615339.065	9394979.810	179.859
6630	4615333.628	9394971.417	179.728
6640	4615328.191	9394963.025	179.597
6650	4615322.753	9394954.632	179.466
6660	4615317.316	9394946.240	179.336
6670	4615311.879	9394937.847	179.205
6680	4615306.442	9394929.454	179.074
6690	4615301.004	9394921.062	178.943
6700	4615295.567	9394912.669	178.812
6710	4615290.130	9394904.276	178.681
6720	4615284.692	9394895.884	178.550
6730	4615279.255	9394887.491	178.420
6740	4615273.818	9394879.099	178.289
6750	4615268.381	9394870.706	178.158
6760	4615262.943	9394862.313	178.027
6770	4615257.506	9394853.921	177.899
6780	4615252.069	9394845.528	177.782
6790	4615246.637	9394837.132	177.676
6800	4615241.341	9394828.649	177.581
6810	4615236.240	9394820.049	177.497
6820	4615231.336	9394811.334	177.424
6830	4615226.630	9394802.511	177.363
6840	4615222.127	9394793.582	177.312
6850	4615217.827	9394784.554	177.264
6860	4615213.734	9394775.430	177.216
6870	4615209.849	9394766.216	177.168
6880	4615206.175	9394756.916	177.120

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
6890	4615202.713	9394747.535	177.072
6900	4615199.465	9394738.077	177.024
6910	4615196.433	9394728.548	176.976
6920	4615193.618	9394718.953	176.928
6930	4615191.022	9394709.296	176.880
6940	4615188.646	9394699.582	176.832
6950	4615186.491	9394689.817	176.784
6960	4615184.559	9394680.006	176.736
6970	4615182.850	9394670.153	176.688
6980	4615181.366	9394660.264	176.639
6990	4615180.091	9394650.346	176.597
7000	4615178.945	9394640.412	176.564
7010	4615177.835	9394630.474	176.541
7020	4615176.724	9394620.536	176.528
7030	4615175.580	9394610.601	176.525
7040	4615174.309	9394600.683	176.532
7050	4615172.833	9394590.792	176.549
7060	4615171.141	9394580.937	176.576
7070	4615169.234	9394571.120	176.613
7080	4615167.113	9394561.348	176.652
7090	4615164.779	9394551.624	176.692
7100	4615162.233	9394541.954	176.731
7110	4615159.476	9394532.342	176.771
7120	4615156.509	9394522.792	176.810
7130	4615153.334	9394513.310	176.849
7140	4615149.956	9394503.898	176.889
7150	4615146.390	9394494.556	176.928
7160	4615142.655	9394485.279	176.968
7170	4615138.772	9394476.064	177.007
7180	4615134.758	9394466.905	177.047
7190	4615130.632	9394457.796	177.086
7200	4615126.412	9394448.730	177.126
7210	4615122.116	9394439.700	177.165
7220	4615117.761	9394430.699	177.205
7230	4615113.364	9394421.717	177.244
7240	4615108.944	9394412.747	177.283
7250	4615104.517	9394403.780	177.323
7260	4615100.089	9394394.814	177.362
7270	4615095.661	9394385.847	177.402
7280	4615091.234	9394376.881	177.441
7290	4615086.806	9394367.915	177.481
7300	4615082.379	9394358.948	177.520
7310	4615077.951	9394349.982	177.560
7320	4615073.524	9394341.015	177.599

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
7330	4615069.096	9394332.049	177.639
7340	4615064.668	9394323.083	177.687
7350	4615060.241	9394314.116	177.746
7360	4615055.813	9394305.150	177.816
7370	4615051.386	9394296.183	177.897
7380	4615046.958	9394287.217	177.990
7390	4615042.522	9394278.255	178.093
7400	4615037.952	9394269.360	178.207
7410	4615033.046	9394260.648	178.322
7420	4615027.686	9394252.207	178.438
7430	4615021.878	9394244.068	178.553
7440	4615015.638	9394236.255	178.669
7450	4615008.986	9394228.790	178.784
7460	4615001.940	9394221.696	178.899
7470	4614994.521	9394214.993	179.015
7480	4614986.841	9394208.588	179.130
7490	4614979.017	9394202.363	179.246
7500	4614970.815	9394196.646	179.361
7510	4614962.261	9394191.469	179.476
7520	4614953.391	9394186.855	179.573
7530	4614944.242	9394182.822	179.621
7540	4614934.852	9394179.387	179.618
7550	4614925.261	9394176.565	179.566
7560	4614915.507	9394174.367	179.463
7570	4614905.632	9394172.799	179.310
7580	4614895.689	9394171.737	179.108
7590	4614885.723	9394170.915	178.870
7600	4614875.755	9394170.123	178.631
7610	4614865.786	9394169.331	178.392
7620	4614855.818	9394168.539	178.153
7630	4614845.849	9394167.748	177.915
7640	4614835.880	9394166.956	177.676
7650	4614825.912	9394166.164	177.437
7660	4614815.943	9394165.372	177.198
7670	4614805.975	9394164.581	176.959
7680	4614796.006	9394163.789	176.720
7690	4614786.037	9394162.997	176.481
7700	4614776.069	9394162.205	176.242
7710	4614766.100	9394161.413	176.004
7720	4614756.131	9394160.622	175.765
7730	4614746.163	9394159.830	175.526
7740	4614736.194	9394159.038	175.287
7750	4614726.226	9394158.246	175.048
7760	4614716.257	9394157.455	174.783

Станция SZR 1001 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
7770	4614706.313	9394156.453	174.518
7780	4614696.892	9394153.203	174.254
7790	4614688.768	9394147.430	173.989
7800	4614682.601	9394139.601	173.724

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Секция: ГПГ
Части на проекта: по удостоверение за ППП
Подпис
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част: .....
Консултант: .....
Управител: .....
(инж. Ал. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: **Път SZR 2002 от път III-664 км 15+900 до село Верен**

Координатна с-ма : 1970 г.
Височинна с-ма : Балтийска

Координатен регистър РГО

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Кота	Име точка	Забележка
1	4620165.669	9399279.294	223.206	PT1	стоманен болт/шиш
2	4620443.258	9399245.243	225.644	PT3	стоманен болт/шиш
3	4621625.936	9398990.923	232.723	PT10	стоманен болт/шиш
4	4621915.404	9398863.751	230.718	PT12	стоманен болт/шиш
5	4622920.357	9398375.769	241.868	PT17	стоманен болт/шиш
6	4623074.677	9398326.428	245.141	PT18	стоманен болт/шиш
7	4624480.239	9398242.787	258.328	PT25	стоманен болт/шиш
8	4624601.609	9398214.495	262.176	PT26	стоманен болт/шиш
9	4620236.294	9399209.877	224.208	PT2	стоманен болт/шиш
10	4620628.280	9399239.807	225.975	PT4	стоманен болт/шиш
11	4620913.837	9399276.713	223.056	PT5	стоманен болт/шиш
12	4621059.805	9399278.474	224.771	PT6	стоманен болт/шиш
13	4621150.461	9399259.723	224.688	PT7	стоманен болт/шиш
14	4621305.012	9399192.050	224.449	PT8	стоманен болт/шиш
15	4621494.541	9399036.236	230.670	PT9	стоманен болт/шиш
16	4621729.484	9399055.074	233.458	PT11	стоманен болт/шиш
17	4622156.402	9398722.649	234.181	PT13	стоманен болт/шиш
18	4622334.937	9398619.651	238.202	PT14	стоманен болт/шиш
19	4622483.639	9398542.242	240.867	PT15	стоманен болт/шиш
20	4622706.532	9398477.279	242.185	PT16	стоманен болт/шиш
21	4623280.094	9398322.873	246.415	PT19	стоманен болт/шиш
22	4623518.185	9398278.309	252.150	PT20	стоманен болт/шиш
23	4623672.324	9398279.067	254.786	PT21	стоманен болт/шиш
24	4623858.820	9398310.710	259.094	PT22	стоманен болт/шиш
25	4624032.267	9398313.725	260.353	PT23	стоманен болт/шиш
26	4624281.928	9398277.822	257.324	PT24	стоманен болт/шиш

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
Консултантски надзор
СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
Консултантски надзор
НЕ СЪГЛАСУВА

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
Секция: ГПГ
Части на проекта: по удостоверение за ПЛП
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ПЛП ЗА ТЕКУЩАТА ГОДИНА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: Път SZR 2002 от път III-664 км 15+900 до село Верен

Координатна с-ма : 1970 г.

Координатен регистър трасировъчни точки

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
1	4620182.833	9399271.591	V1	Външен ръб настилка
2	4620181.812	9399270.944	V2	Външен ръб настилка
3	4620182.188	9399269.767	V3	Външен ръб настилка
4	4620187.041	9399266.197	V4	Външен ръб настилка
5	4620191.635	9399262.243	V5	Външен ръб настилка
6	4620192.435	9399262.011	V6	Външен ръб настилка
7	4620193.153	9399262.498	V7	Външен ръб настилка
8	4620195.434	9399265.552	V8	Външен ръб настилка
9	4620198.356	9399268.001	V9	Външен ръб настилка
10	4620198.779	9399269.067	V10	Външен ръб настилка
11	4620197.922	9399269.830	V11	Външен ръб настилка
12	4620198.007	9399257.583	V12	Външен ръб настилка
13	4620198.218	9399256.563	V13	Външен ръб настилка
14	4620199.221	9399256.284	V14	Външен ръб настилка
15	4620203.325	9399258.600	V15	Външен ръб настилка
16	4620205.912	9399262.539	V16	Външен ръб настилка
17	4620205.701	9399263.558	V17	Външен ръб настилка
18	4620204.698	9399263.837	V18	Външен ръб настилка
19	4620200.594	9399261.521	V19	Външен ръб настилка
20	4620215.519	9399234.922	V20	Външен ръб настилка
21	4620211.797	9399242.668	V21	Външен ръб настилка
22	4620212.938	9399251.186	V22	Външен ръб настилка
23	4620216.590	9399259.285	V23	Външен ръб настилка
24	4620221.542	9399264.751	V24	Външен ръб настилка
25	4620228.755	9399266.289	V25	Външен ръб настилка
26	4620465.150	9399248.049	V26	Външен ръб настилка
27	4620480.378	9399249.503	V27	Външен ръб настилка
28	4620495.255	9399248.143	V28	Външен ръб настилка
29	4620506.976	9399244.264	V29	Външен ръб настилка
30	4621550.715	9399011.542	V30	Външен ръб настилка
31	4621560.913	9399004.543	V31	Външен ръб настилка
32	4621574.970	9398999.308	V32	Външен ръб настилка

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
33	4621590.074	9398996.885	V33	Външен ръб настилка
34	4622332.410	9398620.550	V34	Външен ръб настилка
35	4622341.316	9398612.001	V35	Външен ръб настилка
36	4622351.733	9398606.043	V36	Външен ръб настилка
37	4622370.606	9398598.704	V37	Външен ръб настилка
38	4622794.514	9398438.835	V39	Външен ръб настилка
39	4622809.386	9398435.253	V40	Външен ръб настилка
40	4622820.275	9398430.210	V41	Външен ръб настилка
41	4622829.903	9398422.445	V42	Външен ръб настилка
42	4623912.368	9398308.102	V43	Външен ръб настилка
43	4623924.447	9398306.016	V44	Външен ръб настилка
44	4623936.440	9398306.428	V45	Външен ръб настилка
45	4623951.345	9398309.442	V46	Външен ръб настилка
46	4620149.092	9399278.553	B0	Елементи на оста
47	4620224.825	9399269.708	B1	Елементи на оста
48	4620478.347	9399243.678	B2	Елементи на оста
49	4620647.922	9399244.333	B3	Елементи на оста
50	4620725.182	9399252.870	B4	Елементи на оста
51	4620899.390	9399273.136	B5	Елементи на оста
52	4620986.111	9399277.800	B6	Елементи на оста
53	4621023.408	9399277.490	B7	Елементи на оста
54	4621061.200	9399276.430	B8	Елементи на оста
55	4621141.744	9399260.432	B9	Елементи на оста
56	4621177.072	9399246.967	B10	Елементи на оста
57	4621247.013	9399218.721	B11	Елементи на оста
58	4621273.593	9399207.386	B12	Елементи на оста
59	4621315.876	9399182.018	B13	Елементи на оста
60	4621338.333	9399163.949	B14	Елементи на оста
61	4621436.134	9399082.123	B15	Елементи на оста
62	4621461.227	9399061.858	B16	Елементи на оста
63	4621524.374	9399025.148	B17	Елементи на оста
64	4621554.401	9399013.370	B18	Елементи на оста
65	4621632.519	9398984.281	B19	Елементи на оста
66	4621862.809	9398886.863	B20	Елементи на оста
67	4621937.629	9398849.805	B21	Елементи на оста
68	4622372.079	9398601.317	B22	Елементи на оста
69	4622391.984	9398589.706	B23	Елементи на оста
70	4622433.733	9398566.292	B24	Елементи на оста
71	4622493.793	9398540.366	B25	Елементи на оста
72	4622539.467	9398526.042	B26	Елементи на оста
73	4622668.472	9398487.976	B27	Елементи на оста
74	4622737.089	9398462.123	B28	Елементи на оста
75	4622873.199	9398399.087	B29	Елементи на оста
76	4622953.105	9398367.874	B30	Елементи на оста

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Име точка	Забележка
77	4623026.908	9398344.144	B31	Елементи на оста
78	4623057.781	9398334.806	B32	Елементи на оста
79	4623123.958	9398324.744	B33	Елементи на оста
80	4623156.211	9398324.485	B34	Елементи на оста
81	4623232.744	9398325.199	B35	Елементи на оста
82	4623262.738	9398324.923	B36	Елементи на оста
83	4623285.585	9398322.890	B37	Елементи на оста
84	4623315.157	9398317.867	B38	Елементи на оста
85	4623483.782	9398286.002	B39	Елементи на оста
86	4623597.022	9398277.723	B40	Елементи на оста
87	4623646.828	9398279.757	B41	Елементи на оста
88	4623709.685	9398286.321	B42	Елементи на оста
89	4623805.548	9398302.509	B43	Елементи на оста
90	4623835.499	9398307.096	B44	Елементи на оста
91	4623848.992	9398308.461	B45	Елементи на оста
92	4623879.255	9398309.965	B46	Елементи на оста
93	4623962.731	9398312.835	B47	Елементи на оста
94	4624001.640	9398313.490	B48	Елементи на оста
95	4624028.276	9398312.043	B49	Елементи на оста
96	4624066.885	9398307.175	B50	Елементи на оста
97	4624322.029	9398270.455	B51	Елементи на оста
98	4624470.061	9398244.186	B52	Елементи на оста

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБЕНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Секция: ГПГ
Части на проекта: по удостоверение за ППП
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ОПП ЗА ТЕКУЩАТА ГОДИНА

"ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част
Консултант:
Управител:
(инж. Л. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Обект: **"Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"**

Участък: **Път SZR 2002 от път III-664 км 15+900 до село Верен**

Координатна с-ма : 1970 г.

Височинна с-ма : Балтийска

Координатен регистър пикетни точки ос пътно платно

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
0	4620149.092	9399278.553	223.024
10	4620159.025	9399277.393	223.194
20	4620168.957	9399276.233	223.361
30	4620178.890	9399275.073	223.513
40	4620188.822	9399273.913	223.652
50	4620198.755	9399272.753	223.776
60	4620208.687	9399271.593	223.886
70	4620218.620	9399270.433	223.981
80	4620228.558	9399269.325	224.066
90	4620238.506	9399268.303	224.150
100	4620248.453	9399267.282	224.234
110	4620258.401	9399266.261	224.318
120	4620268.349	9399265.239	224.402
130	4620278.296	9399264.218	224.485
140	4620288.244	9399263.197	224.569
150	4620298.192	9399262.175	224.653
160	4620308.140	9399261.154	224.737
170	4620318.087	9399260.133	224.821
180	4620328.035	9399259.111	224.905
190	4620337.983	9399258.090	224.989
200	4620347.930	9399257.069	225.073
210	4620357.878	9399256.047	225.157
220	4620367.826	9399255.026	225.241
230	4620377.774	9399254.004	225.325
240	4620387.721	9399252.983	225.409
250	4620397.669	9399251.962	225.493
260	4620407.617	9399250.940	225.577
270	4620417.564	9399249.919	225.660
280	4620427.512	9399248.898	225.744

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
290	4620437.460	9399247.876	225.829
300	4620447.407	9399246.855	225.926
310	4620457.355	9399245.834	226.042
320	4620467.303	9399244.812	226.176
330	4620477.251	9399243.791	226.328
340	4620487.203	9399242.819	226.498
350	4620497.167	9399241.970	226.685
360	4620507.141	9399241.246	226.848
370	4620517.123	9399240.647	226.965
380	4620527.111	9399240.173	227.037
390	4620537.105	9399239.823	227.063
400	4620547.103	9399239.599	227.044
410	4620557.102	9399239.499	226.980
420	4620567.102	9399239.525	226.871
430	4620577.101	9399239.675	226.750
440	4620587.097	9399239.951	226.628
450	4620597.089	9399240.351	226.506
460	4620607.075	9399240.877	226.385
470	4620617.054	9399241.527	226.263
480	4620627.024	9399242.301	226.142
490	4620636.983	9399243.201	226.020
500	4620646.930	9399244.224	225.884
510	4620656.870	9399245.322	225.724
520	4620666.810	9399246.420	225.565
530	4620676.749	9399247.518	225.406
540	4620686.689	9399248.617	225.247
550	4620696.628	9399249.715	225.088
560	4620706.568	9399250.813	224.929
570	4620716.507	9399251.911	224.770
580	4620726.446	9399253.017	224.611
590	4620736.379	9399254.172	224.452
600	4620746.312	9399255.328	224.293
610	4620756.245	9399256.483	224.134
620	4620766.178	9399257.639	223.975
630	4620776.111	9399258.794	223.822
640	4620786.044	9399259.950	223.684
650	4620795.977	9399261.105	223.561
660	4620805.910	9399262.261	223.453
670	4620815.843	9399263.416	223.361
680	4620825.776	9399264.572	223.284
690	4620835.709	9399265.728	223.223
700	4620845.642	9399266.883	223.177
710	4620855.575	9399268.039	223.147
720	4620865.508	9399269.194	223.132

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
730	4620875.441	9399270.350	223.132
740	4620885.374	9399271.505	223.147
750	4620895.307	9399272.661	223.178
760	4620905.243	9399273.792	223.225
770	4620915.192	9399274.792	223.287
780	4620925.155	9399275.651	223.364
790	4620935.130	9399276.367	223.454
800	4620945.113	9399276.941	223.547
810	4620955.104	9399277.372	223.639
820	4620965.100	9399277.660	223.732
830	4620975.098	9399277.806	223.842
840	4620985.098	9399277.808	223.990
850	4620995.098	9399277.726	224.137
860	4621005.098	9399277.642	224.285
870	4621015.097	9399277.559	224.433
880	4621025.097	9399277.475	224.577
890	4621035.096	9399277.370	224.703
900	4621045.094	9399277.168	224.812
910	4621055.087	9399276.787	224.902
920	4621065.066	9399276.146	224.975
930	4621075.020	9399275.196	225.029
940	4621084.940	9399273.935	225.064
950	4621094.816	9399272.365	225.082
960	4621104.637	9399270.487	225.081
970	4621114.395	9399268.303	225.063
980	4621124.081	9399265.816	225.026
990	4621133.684	9399263.027	224.971
1000	4621143.194	9399259.939	224.906
1010	4621152.612	9399256.576	224.842
1020	4621161.954	9399253.009	224.777
1030	4621171.247	9399249.316	224.712
1040	4621180.520	9399245.574	224.648
1050	4621189.793	9399241.830	224.583
1060	4621199.065	9399238.085	224.519
1070	4621208.338	9399234.340	224.460
1080	4621217.610	9399230.596	224.415
1090	4621226.882	9399226.851	224.385
1100	4621236.155	9399223.106	224.369
1110	4621245.427	9399219.361	224.367
1120	4621254.695	9399215.605	224.380
1130	4621263.918	9399211.742	224.406
1140	4621273.041	9399207.646	224.448
1150	4621282.004	9399203.215	224.503
1160	4621290.783	9399198.428	224.573

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1170	4621299.364	9399193.294	224.657
1180	4621307.733	9399187.821	224.755
1190	4621315.876	9399182.018	224.867
1200	4621323.795	9399175.912	224.994
1210	4621331.552	9399169.601	225.135
1220	4621339.232	9399163.197	225.291
1230	4621346.902	9399156.780	225.460
1240	4621354.571	9399150.363	225.644
1250	4621362.241	9399143.946	225.843
1260	4621369.911	9399137.529	226.055
1270	4621377.580	9399131.112	226.282
1280	4621385.250	9399124.696	226.523
1290	4621392.920	9399118.279	226.778
1300	4621400.589	9399111.862	227.037
1310	4621408.259	9399105.445	227.296
1320	4621415.929	9399099.028	227.555
1330	4621423.598	9399092.611	227.814
1340	4621431.268	9399086.194	228.073
1350	4621438.938	9399079.778	228.364
1360	4621446.634	9399073.393	228.708
1370	4621454.417	9399067.114	229.051
1380	4621462.346	9399061.021	229.395
1390	4621470.461	9399055.178	229.738
1400	4621478.760	9399049.600	230.081
1410	4621487.235	9399044.292	230.407
1420	4621495.876	9399039.261	230.714
1430	4621504.676	9399034.511	231.001
1440	4621513.624	9399030.047	231.267
1450	4621522.711	9399025.874	231.514
1460	4621531.924	9399021.988	231.740
1470	4621541.229	9399018.325	231.947
1480	4621550.584	9399014.793	232.134
1490	4621559.955	9399011.302	232.300
1500	4621569.327	9399007.812	232.447
1510	4621578.698	9399004.323	232.577
1520	4621588.069	9399000.833	232.695
1530	4621597.441	9398997.343	232.776
1540	4621606.812	9398993.854	232.816
1550	4621616.184	9398990.364	232.817
1560	4621625.555	9398986.874	232.777
1570	4621634.885	9398983.280	232.698
1580	4621644.095	9398979.384	232.578
1590	4621653.304	9398975.488	232.419
1600	4621662.514	9398971.592	232.219

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1610	4621671.724	9398967.696	232.002
1620	4621680.934	9398963.800	231.785
1630	4621690.144	9398959.904	231.568
1640	4621699.354	9398956.008	231.350
1650	4621708.564	9398952.112	231.133
1660	4621717.773	9398948.216	230.916
1670	4621726.983	9398944.320	230.698
1680	4621736.193	9398940.424	230.481
1690	4621745.403	9398936.528	230.264
1700	4621754.613	9398932.632	230.064
1710	4621763.823	9398928.736	229.906
1720	4621773.032	9398924.840	229.793
1730	4621782.242	9398920.944	229.723
1740	4621791.452	9398917.048	229.696
1750	4621800.662	9398913.152	229.713
1760	4621809.872	9398909.256	229.773
1770	4621819.082	9398905.360	229.869
1780	4621828.291	9398901.464	229.968
1790	4621837.501	9398897.568	230.067
1800	4621846.711	9398893.672	230.167
1810	4621855.921	9398889.776	230.266
1820	4621865.129	9398885.876	230.365
1830	4621874.296	9398881.881	230.464
1840	4621883.406	9398877.756	230.564
1850	4621892.455	9398873.501	230.663
1860	4621901.443	9398869.118	230.762
1870	4621910.367	9398864.606	230.833
1880	4621919.226	9398859.967	230.903
1890	4621928.018	9398855.202	230.973
1900	4621936.741	9398850.312	231.043
1910	4621945.422	9398845.348	231.115
1920	4621954.102	9398840.383	231.192
1930	4621962.783	9398835.418	231.274
1940	4621971.463	9398830.453	231.361
1950	4621980.143	9398825.489	231.454
1960	4621988.824	9398820.524	231.551
1970	4621997.504	9398815.559	231.653
1980	4622006.185	9398810.594	231.760
1990	4622014.865	9398805.629	231.872
2000	4622023.546	9398800.664	231.989
2010	4622032.226	9398795.699	232.111
2020	4622040.907	9398790.735	232.238
2030	4622049.587	9398785.770	232.370
2040	4622058.267	9398780.805	232.507

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2050	4622066.948	9398775.840	232.649
2060	4622075.628	9398770.875	232.796
2070	4622084.309	9398765.910	232.948
2080	4622092.989	9398760.945	233.105
2090	4622101.670	9398755.981	233.267
2100	4622110.350	9398751.016	233.434
2110	4622119.031	9398746.051	233.606
2120	4622127.711	9398741.086	233.784
2130	4622136.391	9398736.121	233.966
2140	4622145.072	9398731.156	234.153
2150	4622153.752	9398726.191	234.345
2160	4622162.433	9398721.227	234.539
2170	4622171.113	9398716.262	234.733
2180	4622179.794	9398711.297	234.927
2190	4622188.474	9398706.332	235.121
2200	4622197.155	9398701.367	235.315
2210	4622205.835	9398696.402	235.509
2220	4622214.516	9398691.437	235.703
2230	4622223.196	9398686.473	235.897
2240	4622231.876	9398681.508	236.091
2250	4622240.557	9398676.543	236.285
2260	4622249.237	9398671.578	236.479
2270	4622257.918	9398666.613	236.673
2280	4622266.598	9398661.648	236.867
2290	4622275.279	9398656.683	237.061
2300	4622283.959	9398651.719	237.255
2310	4622292.640	9398646.754	237.449
2320	4622301.320	9398641.789	237.643
2330	4622310.000	9398636.824	237.837
2340	4622318.681	9398631.859	238.031
2350	4622327.361	9398626.894	238.225
2360	4622336.042	9398621.929	238.419
2370	4622344.722	9398616.964	238.556
2380	4622353.403	9398612.000	238.693
2390	4622362.083	9398607.035	238.830
2400	4622370.764	9398602.070	238.967
2410	4622379.408	9398597.042	239.105
2420	4622388.046	9398592.004	239.242
2430	4622396.684	9398586.966	239.379
2440	4622405.335	9398581.950	239.516
2450	4622414.020	9398576.993	239.653
2460	4622422.760	9398572.135	239.790
2470	4622431.576	9398567.415	239.962
2480	4622440.484	9398562.871	240.162

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2490	4622449.487	9398558.518	240.363
2500	4622458.580	9398554.357	240.564
2510	4622467.759	9398550.390	240.764
2520	4622477.021	9398546.620	240.965
2530	4622486.361	9398543.048	241.161
2540	4622495.775	9398539.675	241.348
2550	4622505.254	9398536.491	241.524
2560	4622514.783	9398533.458	241.690
2570	4622524.346	9398530.534	241.846
2580	4622533.929	9398527.678	241.993
2590	4622543.520	9398524.846	242.129
2600	4622553.111	9398522.016	242.255
2610	4622562.702	9398519.186	242.371
2620	4622572.294	9398516.356	242.477
2630	4622581.885	9398513.526	242.574
2640	4622591.476	9398510.696	242.660
2650	4622601.067	9398507.865	242.744
2660	4622610.658	9398505.035	242.828
2670	4622620.249	9398502.205	242.896
2680	4622629.841	9398499.375	242.939
2690	4622639.432	9398496.545	242.957
2700	4622649.023	9398493.715	242.950
2710	4622658.614	9398490.885	242.919
2720	4622668.205	9398488.055	242.862
2730	4622677.769	9398485.134	242.780
2740	4622687.273	9398482.023	242.673
2750	4622696.712	9398478.722	242.541
2760	4622706.084	9398475.234	242.385
2770	4622715.383	9398471.558	242.203
2780	4622724.608	9398467.698	241.996
2790	4622733.753	9398463.653	241.778
2800	4622742.833	9398459.463	241.560
2810	4622751.907	9398455.261	241.343
2820	4622760.981	9398451.058	241.141
2830	4622770.056	9398446.856	240.969
2840	4622779.130	9398442.653	240.825
2850	4622788.204	9398438.451	240.709
2860	4622797.278	9398434.248	240.622
2870	4622806.352	9398430.046	240.564
2880	4622815.426	9398425.844	240.534
2890	4622824.500	9398421.641	240.533
2900	4622833.574	9398417.439	240.560
2910	4622842.648	9398413.236	240.616
2920	4622851.723	9398409.034	240.701

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
2930	4622860.797	9398404.831	240.814
2940	4622869.871	9398400.629	240.956
2950	4622878.957	9398396.452	241.126
2960	4622888.098	9398392.398	241.325
2970	4622897.296	9398388.474	241.536
2980	4622906.549	9398384.681	241.746
2990	4622915.855	9398381.022	241.957
3000	4622925.212	9398377.495	242.168
3010	4622934.619	9398374.103	242.379
3020	4622944.074	9398370.846	242.590
3030	4622953.574	9398367.723	242.801
3040	4622963.094	9398364.662	243.012
3050	4622972.614	9398361.601	243.223
3060	4622982.134	9398358.541	243.434
3070	4622991.654	9398355.480	243.645
3080	4623001.174	9398352.419	243.856
3090	4623010.694	9398349.358	244.067
3100	4623020.214	9398346.297	244.278
3110	4623029.734	9398343.236	244.489
3120	4623039.265	9398340.210	244.695
3130	4623048.834	9398337.307	244.879
3140	4623058.467	9398334.624	245.039
3150	4623068.179	9398332.241	245.177
3160	4623077.962	9398330.173	245.291
3170	4623087.807	9398328.421	245.382
3180	4623097.703	9398326.987	245.450
3190	4623107.641	9398325.873	245.503
3200	4623117.609	9398325.081	245.556
3210	4623127.597	9398324.609	245.609
3220	4623137.595	9398324.419	245.663
3230	4623147.595	9398324.416	245.716
3240	4623157.595	9398324.498	245.769
3250	4623167.594	9398324.591	245.822
3260	4623177.594	9398324.685	245.875
3270	4623187.593	9398324.778	245.929
3280	4623197.593	9398324.871	245.982
3290	4623207.592	9398324.964	246.035
3300	4623217.592	9398325.057	246.088
3310	4623227.592	9398325.151	246.141
3320	4623237.591	9398325.241	246.198
3330	4623247.591	9398325.270	246.274
3340	4623257.590	9398325.115	246.373
3350	4623267.579	9398324.655	246.494
3360	4623277.544	9398323.829	246.637

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
3370	4623287.472	9398322.635	246.802
3380	4623297.354	9398321.108	246.990
3390	4623307.200	9398319.360	247.200
3400	4623317.028	9398317.514	247.432
3410	4623326.854	9398315.657	247.685
3420	4623336.680	9398313.800	247.944
3430	4623346.506	9398311.943	248.203
3440	4623356.332	9398310.086	248.461
3450	4623366.159	9398308.230	248.720
3460	4623375.985	9398306.373	248.979
3470	4623385.811	9398304.516	249.238
3480	4623395.637	9398302.659	249.497
3490	4623405.463	9398300.802	249.755
3500	4623415.289	9398298.945	250.008
3510	4623425.115	9398297.089	250.257
3520	4623434.941	9398295.232	250.501
3530	4623444.767	9398293.375	250.740
3540	4623454.593	9398291.518	250.973
3550	4623464.420	9398289.661	251.202
3560	4623474.246	9398287.804	251.426
3570	4623484.072	9398285.948	251.645
3580	4623493.917	9398284.195	251.859
3590	4623503.795	9398282.639	252.067
3600	4623513.702	9398281.282	252.271
3610	4623523.635	9398280.123	252.470
3620	4623533.588	9398279.162	252.664
3630	4623543.559	9398278.401	252.852
3640	4623553.543	9398277.840	253.036
3650	4623563.536	9398277.478	253.215
3660	4623573.535	9398277.316	253.389
3670	4623583.535	9398277.355	253.557
3680	4623593.532	9398277.593	253.722
3690	4623603.524	9398277.989	253.886
3700	4623613.515	9398278.397	254.050
3710	4623623.507	9398278.804	254.215
3720	4623633.499	9398279.212	254.379
3730	4623643.490	9398279.620	254.543
3740	4623653.480	9398280.073	254.707
3750	4623663.459	9398280.713	254.871
3760	4623673.424	9398281.554	255.036
3770	4623683.370	9398282.593	255.206
3780	4623693.292	9398283.831	255.386
3790	4623703.189	9398285.267	255.577
3800	4623713.056	9398286.890	255.777

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
3810	4623722.916	9398288.555	255.987
3820	4623732.777	9398290.220	256.208
3830	4623742.637	9398291.885	256.438
3840	4623752.498	9398293.550	256.678
3850	4623762.358	9398295.215	256.929
3860	4623772.218	9398296.880	257.189
3870	4623782.079	9398298.545	257.459
3880	4623791.939	9398300.211	257.737
3890	4623801.800	9398301.876	258.015
3900	4623811.661	9398303.537	258.293
3910	4623821.532	9398305.136	258.554
3920	4623831.428	9398306.575	258.783
3930	4623841.357	9398307.758	258.978
3940	4623851.318	9398308.640	259.139
3950	4623861.299	9398309.251	259.268
3960	4623871.289	9398309.683	259.363
3970	4623881.283	9398310.035	259.424
3980	4623891.277	9398310.379	259.466
3990	4623901.271	9398310.722	259.508
4000	4623911.265	9398311.066	259.550
4010	4623921.260	9398311.409	259.596
4020	4623931.254	9398311.753	259.649
4030	4623941.248	9398312.097	259.710
4040	4623951.242	9398312.440	259.777
4050	4623961.236	9398312.784	259.852
4060	4623971.230	9398313.120	259.934
4070	4623981.226	9398313.397	260.023
4080	4623991.225	9398313.546	260.118
4090	4624001.225	9398313.497	260.213
4100	4624011.220	9398313.191	260.308
4110	4624021.203	9398312.615	260.403
4120	4624031.167	9398311.770	260.498
4130	4624041.107	9398310.679	260.590
4140	4624051.026	9398309.410	260.662
4150	4624060.930	9398308.030	260.710
4160	4624070.829	9398306.608	260.736
4170	4624080.727	9398305.183	260.738
4180	4624090.625	9398303.759	260.716
4190	4624100.523	9398302.334	260.672
4200	4624110.421	9398300.910	260.604
4210	4624120.319	9398299.485	260.513
4220	4624130.217	9398298.061	260.399
4230	4624140.115	9398296.636	260.261
4240	4624150.013	9398295.212	260.100

Станция SZR 2002 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
4250	4624159.911	9398293.787	259.916
4260	4624169.809	9398292.363	259.709
4270	4624179.707	9398290.938	259.482
4280	4624189.605	9398289.514	259.253
4290	4624199.503	9398288.089	259.023
4300	4624209.401	9398286.665	258.794
4310	4624219.299	9398285.240	258.570
4320	4624229.197	9398283.816	258.364
4330	4624239.095	9398282.391	258.176
4340	4624248.993	9398280.967	258.007
4350	4624258.891	9398279.542	257.855
4360	4624268.789	9398278.118	257.722
4370	4624278.687	9398276.693	257.607
4380	4624288.585	9398275.269	257.510
4390	4624298.483	9398273.844	257.431
4400	4624308.381	9398272.419	257.371
4410	4624318.279	9398270.995	257.328
4420	4624328.176	9398269.562	257.304
4430	4624338.067	9398268.089	257.298
4440	4624347.951	9398266.574	257.310
4450	4624357.829	9398265.015	257.341
4460	4624367.700	9398263.413	257.387
4470	4624377.564	9398261.769	257.456
4480	4624387.420	9398260.081	257.541
4490	4624397.270	9398258.351	257.644
4500	4624407.111	9398256.578	257.754
4510	4624416.945	9398254.762	257.859
4520	4624426.771	9398252.904	257.957
4530	4624436.588	9398251.003	258.048
4540	4624446.398	9398249.059	258.132
4550	4624456.198	9398247.072	258.208
4560	4624465.990	9398245.043	258.277
4570	4624475.775	9398242.979	258.341

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Проверявам проекта за:
Консултант:
Управител:
(име и подпис)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ГПП ЗА ТЕКУЩАТА ГОДИНА
Секция: ГПГ
Части на проекта: по удостоверение за ППП

Обект: "Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"

Участък: Път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920

Координатна с-ма : 1970 г.
Височинна с-ма : Балтийска

Координатен регистър РГО

Номер по ред	Northing [X] [m]	Easting [Y] [m]	Кота	Име точка	Забележка
1	4606835.413	9393024.528	140.031	РТ1	стоманен болт/шиш
2	4606664.235	9393059.720	139.054	РТ2	стоманен болт/шиш
3	4606191.997	9393256.794	133.341	РТ4	стоманен болт/шиш
4	4606222.597	9393129.512	135.447	РТ5	стоманен болт/шиш
5	4606484.205	9393136.977	135.435	РТ3	стоманен болт/шиш

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта до част: .....
Консултант: .....
Управител: .....
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1" ЕООД * Благоевград *

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
КИИП
ПЪЛНА ПРОЕКТАНТСКА ПРАЕСПОСОБНОСТ
Регистрационен № 11962
Секция: ГПГ
инж. ДИАН СТОЯНОВ СТОЯНОВ
Части на проекта: по удостоверение за ППП
Подпис: .....
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ППП ЗА ТЕКУЩАТА ГОДИНА

Обект: "Реконструкция на общински път SZR 1001 от път III-664 км 14+400 (с.Братя Даскалови) до село Гранит, общински път SZR 2002 от път III-664 км 15+900 (с. Братя Даскалови) до село Верен и общински път SZR 2006 с. Мирово (път II-66) – с. Опълченец (път III-565) от км 1+400 до км 1+920, Община Братя Даскалови"

Участък: Път SZR 2006 с. Мирово - с. Опълченец от км 1+400 до км 1+920

Координатна с-ма : 1970 г.

Височинна с-ма : Балтийска

Координатен регистър пикетни точки ос пътно платно

Станция SZR 2006 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1400	4606162.000	9393279.689	132.817
1410	4606170.853	9393275.040	132.929
1420	4606179.707	9393270.391	133.041
1430	4606188.560	9393265.741	133.152
1440	4606197.414	9393261.092	133.264
1450	4606206.313	9393256.532	133.376
1460	4606215.250	9393252.045	133.488
1470	4606224.187	9393247.559	133.600
1480	4606233.124	9393243.072	133.712
1490	4606242.098	9393238.660	133.824
1500	4606251.134	9393234.376	133.936
1510	4606260.230	9393230.221	134.048
1520	4606269.384	9393226.197	134.160
1530	4606278.587	9393222.285	134.271
1540	4606287.796	9393218.385	134.383
1550	4606297.004	9393214.486	134.495
1560	4606306.212	9393210.587	134.607
1570	4606315.421	9393206.688	134.707
1580	4606324.629	9393202.788	134.806
1590	4606333.838	9393198.889	134.904
1600	4606343.046	9393194.990	134.995
1610	4606352.255	9393191.090	135.078
1620	4606361.463	9393187.191	135.152
1630	4606370.672	9393183.292	135.218
1640	4606379.880	9393179.393	135.276
1650	4606389.089	9393175.493	135.325
1660	4606398.297	9393171.594	135.366
1670	4606407.505	9393167.695	135.399
1680	4606416.714	9393163.795	135.428

Станция SZR 2006 [m]	Northing [X] [m]	Easting [Y] [m]	Кота асфалт (нивелета) [m]
1690	4606425.922	9393159.896	135.456
1700	4606435.131	9393155.997	135.484
1710	4606444.339	9393152.098	135.513
1720	4606453.548	9393148.198	135.541
1730	4606462.756	9393144.299	135.569
1740	4606471.965	9393140.400	135.599
1750	4606481.173	9393136.501	135.652
1760	4606490.382	9393132.601	135.739
1770	4606499.590	9393128.702	135.859
1780	4606508.798	9393124.803	136.013
1790	4606518.007	9393120.903	136.199
1800	4606527.215	9393117.004	136.420
1810	4606536.424	9393113.105	136.662
1820	4606545.632	9393109.206	136.891
1830	4606554.841	9393105.306	137.103
1840	4606564.049	9393101.407	137.299
1850	4606573.258	9393097.508	137.478
1860	4606582.466	9393093.609	137.640
1870	4606591.675	9393089.709	137.785
1880	4606600.883	9393085.810	137.916
1890	4606610.092	9393081.911	138.045
1900	4606619.345	9393078.120	138.174
1910	4606628.681	9393074.536	138.304
1920	4606638.093	9393071.161	

Проектант:

КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ
ПЪЛНА ПРОЕКТАНТСКА ПРАВОСПОСОБНОСТ
Регистрационен № 11962
инж. ДИАН СТОЯНОВ СТОЯНОВ
Подпис:
Секция: ГПГ
Части на проекта: по удостоверение за ППП
ВАЖИ С ВАЛИДНО УДОСТОВЕРЕНИЕ ЗА ТЕКУЩАТА ГОДИНА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД (СТРОИТЕЛЕН НАДЗОР)
Заверявам проекта по част:
Консултант:
Управител:
(инж. А. Лачов)

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
ПАБ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД
консултант/строителен надзор
СХИ СЪГЛАСУВА

ЛАЧОВ СТРОЙ КОНСУЛТ 1 ЕООД * Благоевград *