

HATHARAS DETOUR CO-ORDINATE				
CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:0	218315.886	3052910.889	27 ° 34 ' 14.8103 "	78 ° 8 ' 49.2193 "
CH:50	218311.364	3052940.529	27 ° 34 ' 15.769 "	78 ° 8 ' 49.0297 "
CH:100	218302.177	3052989.672	27 ° 34 ' 17.3573 "	78 ° 8 ' 48.6538 "
CH:150	218290.551	3053038.297	27 ° 34 ' 18.9269 "	78 ° 8 ' 48.1894 "
CH:200	218276.512	3053086.28	27 ° 34 ' 20.4739 "	78 ° 8 ' 47.6377 "
CH:250	218260.094	3053133.502	27 ° 34 ' 21.9943 "	78 ° 8 ' 47 "
CH:300	218241.338	3053179.846	27 ° 34 ' 23.4845 "	78 ° 8 ' 46.2779 "
CH:350	218220.291	3053225.195	27 ° 34 ' 24.9407 "	78 ° 8 ' 45.4731 "
CH:400	218197.007	3053269.436	27 ° 34 ' 26.3593 "	78 ° 8 ' 44.5877 "
CH:450	218171.542	3053312.46	27 ° 34 ' 27.7367 "	78 ° 8 ' 43.624 "
CH:500	218143.96	3053354.158	27 ° 34 ' 29.0694 "	78 ° 8 ' 42.5842 "
CH:550	218114.33	3053394.427	27 ° 34 ' 30.3543 "	78 ° 8 ' 41.471 "
CH:600	218082.727	3053433.166	27 ° 34 ' 31.5879 "	78 ° 8 ' 40.2872 "
CH:650	218049.228	3053470.278	27 ° 34 ' 32.7674 "	78 ° 8 ' 39.0357 "
CH:700	218014.056	3053505.812	27 ° 34 ' 33.8943 "	78 ° 8 ' 37.7246 "
CH:750	217978.272	3053540.733	27 ° 34 ' 35.0009 "	78 ° 8 ' 36.3918 "
CH:800	217942.475	3053575.641	27 ° 34 ' 36.1071 "	78 ° 8 ' 35.0584 "
CH:850	217906.677	3053610.549	27 ° 34 ' 37.2132 "	78 ° 8 ' 33.725 "
CH:900	217870.88	3053645.456	27 ° 34 ' 38.3193 "	78 ° 8 ' 32.3916 "
CH:950	217835.082	3053680.364	27 ° 34 ' 39.4255 "	78 ° 8 ' 31.0582 "
CH:1000	217799.285	3053715.272	27 ° 34 ' 40.5316 "	78 ° 8 ' 29.7248 "
CH:1050	217763.487	3053750.179	27 ° 34 ' 41.6377 "	78 ° 8 ' 28.3914 "
CH:1100	217727.69	3053785.087	27 ° 34 ' 42.7439 "	78 ° 8 ' 27.058 "
CH:1150	217691.893	3053819.995	27 ° 34 ' 43.85 "	78 ° 8 ' 25.7246 "
CH:1200	217656.095	3053854.902	27 ° 34 ' 44.9561 "	78 ° 8 ' 24.3911 "
CH:1250	217620.298	3053889.81	27 ° 34 ' 46.0622 "	78 ° 8 ' 23.0577 "
CH:1300	217584.5	3053924.718	27 ° 34 ' 47.1683 "	78 ° 8 ' 21.7242 "
CH:1350	217548.703	3053959.625	27 ° 34 ' 48.2744 "	78 ° 8 ' 20.3908 "
CH:1400	217512.905	3053994.533	27 ° 34 ' 49.3805 "	78 ° 8 ' 19.0573 "
CH:1450	217477.108	3054029.441	27 ° 34 ' 50.4866 "	78 ° 8 ' 17.7239 "
CH:1500	217441.311	3054064.348	27 ° 34 ' 51.5926 "	78 ° 8 ' 16.3904 "
CH:1550	217405.513	3054099.256	27 ° 34 ' 52.6987 "	78 ° 8 ' 15.0569 "
CH:1600	217369.716	3054134.164	27 ° 34 ' 53.8048 "	78 ° 8 ' 13.7234 "
CH:1650	217333.919	3054169.071	27 ° 34 ' 54.9109 "	78 ° 8 ' 12.39 "
CH:1700	217298.121	3054203.979	27 ° 34 ' 56.017 "	78 ° 8 ' 11.0564 "
CH:1750	217262.324	3054238.887	27 ° 34 ' 57.123 "	78 ° 8 ' 9.7229 "
CH:1800	217226.526	3054273.794	27 ° 34 ' 58.2291 "	78 ° 8 ' 8.3894 "
CH:1850	217190.729	3054308.702	27 ° 34 ' 59.3351 "	78 ° 8 ' 7.0559 "
CH:1900	217154.931	3054343.61	27 ° 35 ' 0.4412 "	78 ° 8 ' 5.7223 "
CH:1950	217119.134	3054378.517	27 ° 35 ' 1.5472 "	78 ° 8 ' 4.3888 "
CH:2000	217083.337	3054413.425	27 ° 35 ' 2.6533 "	78 ° 8 ' 3.0553 "
CH:2050	217047.539	3054448.333	27 ° 35 ' 3.7593 "	78 ° 8 ' 1.7217 "
CH:2100	217011.742	3054483.24	27 ° 35 ' 4.8653 "	78 ° 8 ' 0.3881 "
CH:2150	216975.944	3054518.148	27 ° 35 ' 5.9714 "	78 ° 7 ' 59.0545 "
CH:2200	216940.147	3054553.056	27 ° 35 ' 7.0774 "	78 ° 7 ' 57.721 "
CH:2250	216904.349	3054587.963	27 ° 35 ' 8.1834 "	78 ° 7 ' 56.3874 "
CH:2300	216868.552	3054622.871	27 ° 35 ' 9.2895 "	78 ° 7 ' 55.0538 "
CH:2350	216832.755	3054657.778	27 ° 35 ' 10.3954 "	78 ° 7 ' 53.7202 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:2400	216797.024	3054692.754	27 ° 35 ' 11.5037 "	78 ° 7 ' 52.389 "
CH:2450	216762.23	3054728.656	27 ° 35 ' 12.6428 "	78 ° 7 ' 51.0911 "
CH:2500	216729.225	3054766.208	27 ° 35 ' 13.8367 "	78 ° 7 ' 49.8569 "
CH:2550	216698.136	3054805.36	27 ° 35 ' 15.084 "	78 ° 7 ' 48.6912 "
CH:2600	216669.04	3054846.016	27 ° 35 ' 16.3817 "	78 ° 7 ' 47.5969 "
CH:2650	216642.012	3054888.075	27 ° 35 ' 17.7264 "	78 ° 7 ' 46.5766 "
CH:2700	216617.117	3054931.43	27 ° 35 ' 19.1149 "	78 ° 7 ' 45.633 "
CH:2750	216594.418	3054975.975	27 ° 35 ' 20.5436 "	78 ° 7 ' 44.7684 "
CH:2800	216573.973	3055021.598	27 ° 35 ' 22.009 "	78 ° 7 ' 43.985 "
CH:2850	216555.831	3055068.185	27 ° 35 ' 23.5074 "	78 ° 7 ' 43.2846 "
CH:2900	216540.038	3055115.619	27 ° 35 ' 25.0351 "	78 ° 7 ' 42.6691 "
CH:2950	216526.633	3055163.783	27 ° 35 ' 26.5884 "	78 ° 7 ' 42.14 "
CH:3000	216515.646	3055212.556	27 ° 35 ' 28.1632 "	78 ° 7 ' 41.6984 "
CH:3050	216506.515	3055261.714	27 ° 35 ' 29.7519 "	78 ° 7 ' 41.3242 "
CH:3100	216497.734	3055310.936	27 ° 35 ' 31.3429 "	78 ° 7 ' 40.9626 "
CH:3150	216488.952	3055360.159	27 ° 35 ' 32.934 "	78 ° 7 ' 40.601 "
CH:3200	216480.17	3055409.382	27 ° 35 ' 34.5251 "	78 ° 7 ' 40.2394 "
CH:3250	216471.388	3055458.605	27 ° 35 ' 36.1162 "	78 ° 7 ' 39.8777 "
CH:3300	216462.607	3055507.828	27 ° 35 ' 37.7073 "	78 ° 7 ' 39.5161 "
CH:3350	216453.825	3055557.05	27 ° 35 ' 39.2983 "	78 ° 7 ' 39.1545 "
CH:3400	216445.043	3055606.273	27 ° 35 ' 40.8894 "	78 ° 7 ' 38.7929 "
CH:3450	216436.261	3055655.496	27 ° 35 ' 42.4805 "	78 ° 7 ' 38.4312 "
CH:3500	216427.48	3055704.719	27 ° 35 ' 44.0716 "	78 ° 7 ' 38.0696 "
CH:3550	216418.698	3055753.941	27 ° 35 ' 45.6626 "	78 ° 7 ' 37.708 "
CH:3600	216409.916	3055803.164	27 ° 35 ' 47.2537 "	78 ° 7 ' 37.3464 "
CH:3650	216401.134	3055852.387	27 ° 35 ' 48.8448 "	78 ° 7 ' 36.9847 "
CH:3700	216392.352	3055901.61	27 ° 35 ' 50.4359 "	78 ° 7 ' 36.6231 "
CH:3750	216383.571	3055950.832	27 ° 35 ' 52.0269 "	78 ° 7 ' 36.2614 "
CH:3800	216374.789	3056000.055	27 ° 35 ' 53.618 "	78 ° 7 ' 35.8998 "
CH:3850	216366.007	3056049.278	27 ° 35 ' 55.2091 "	78 ° 7 ' 35.5381 "
CH:3900	216357.225	3056098.501	27 ° 35 ' 56.8001 "	78 ° 7 ' 35.1764 "
CH:3950	216348.444	3056147.723	27 ° 35 ' 58.3912 "	78 ° 7 ' 34.8148 "
CH:4000	216339.662	3056196.946	27 ° 35 ' 59.9823 "	78 ° 7 ' 34.4531 "
CH:4050	216330.88	3056246.169	27 ° 36 ' 1.5733 "	78 ° 7 ' 34.0915 "
CH:4100	216322.098	3056295.392	27 ° 36 ' 3.1644 "	78 ° 7 ' 33.7298 "
CH:4150	216313.317	3056344.615	27 ° 36 ' 4.7555 "	78 ° 7 ' 33.3681 "
CH:4200	216304.535	3056393.837	27 ° 36 ' 6.3465 "	78 ° 7 ' 33.0064 "
CH:4250	216295.753	3056443.06	27 ° 36 ' 7.9376 "	78 ° 7 ' 32.6448 "
CH:4300	216286.971	3056492.283	27 ° 36 ' 9.5287 "	78 ° 7 ' 32.2831 "
CH:4350	216278.189	3056541.506	27 ° 36 ' 11.1197 "	78 ° 7 ' 31.9214 "
CH:4400	216269.408	3056590.728	27 ° 36 ' 12.7108 "	78 ° 7 ' 31.5597 "
CH:4450	216260.626	3056639.951	27 ° 36 ' 14.3018 "	78 ° 7 ' 31.198 "
CH:4500	216251.844	3056689.174	27 ° 36 ' 15.8929 "	78 ° 7 ' 30.8363 "
CH:4550	216243.062	3056738.397	27 ° 36 ' 17.484 "	78 ° 7 ' 30.4746 "
CH:4600	216234.281	3056787.619	27 ° 36 ' 19.075 "	78 ° 7 ' 30.1129 "
CH:4650	216225.499	3056836.842	27 ° 36 ' 20.6661 "	78 ° 7 ' 29.7512 "
CH:4700	216216.717	3056886.065	27 ° 36 ' 22.2571 "	78 ° 7 ' 29.3894 "
CH:4750	216207.935	3056935.288	27 ° 36 ' 23.8482 "	78 ° 7 ' 29.0277 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:4800	216199.154	3056984.51	27 ° 36 ' 25.4393 "	78 ° 7 ' 28.666 "
CH:4850	216190.372	3057033.733	27 ° 36 ' 27.0303 "	78 ° 7 ' 28.3043 "
CH:4900	216181.59	3057082.956	27 ° 36 ' 28.6214 "	78 ° 7 ' 27.9426 "
CH:4950	216172.808	3057132.179	27 ° 36 ' 30.2124 "	78 ° 7 ' 27.5808 "
CH:5000	216164.026	3057181.402	27 ° 36 ' 31.8035 "	78 ° 7 ' 27.2191 "
CH:5050	216155.245	3057230.624	27 ° 36 ' 33.3945 "	78 ° 7 ' 26.8574 "
CH:5100	216146.463	3057279.847	27 ° 36 ' 34.9856 "	78 ° 7 ' 26.4956 "
CH:5150	216137.681	3057329.07	27 ° 36 ' 36.5767 "	78 ° 7 ' 26.1339 "
CH:5200	216128.899	3057378.293	27 ° 36 ' 38.1677 "	78 ° 7 ' 25.7721 "
CH:5250	216120.118	3057427.515	27 ° 36 ' 39.7588 "	78 ° 7 ' 25.4104 "
CH:5300	216111.336	3057476.738	27 ° 36 ' 41.3498 "	78 ° 7 ' 25.0486 "
CH:5350	216102.554	3057525.961	27 ° 36 ' 42.9409 "	78 ° 7 ' 24.6868 "
CH:5400	216093.772	3057575.184	27 ° 36 ' 44.5319 "	78 ° 7 ' 24.3251 "
CH:5450	216084.991	3057624.406	27 ° 36 ' 46.123 "	78 ° 7 ' 23.9633 "
CH:5500	216076.209	3057673.629	27 ° 36 ' 47.714 "	78 ° 7 ' 23.6016 "
CH:5550	216067.427	3057722.852	27 ° 36 ' 49.3051 "	78 ° 7 ' 23.2398 "
CH:5600	216058.645	3057772.075	27 ° 36 ' 50.8961 "	78 ° 7 ' 22.878 "
CH:5650	216049.863	3057821.297	27 ° 36 ' 52.4872 "	78 ° 7 ' 22.5162 "
CH:5700	216041.082	3057870.52	27 ° 36 ' 54.0782 "	78 ° 7 ' 22.1544 "
CH:5750	216032.3	3057919.743	27 ° 36 ' 55.6693 "	78 ° 7 ' 21.7926 "
CH:5800	216023.518	3057968.966	27 ° 36 ' 57.2603 "	78 ° 7 ' 21.4308 "
CH:5850	216014.736	3058018.188	27 ° 36 ' 58.8513 "	78 ° 7 ' 21.069 "
CH:5900	216005.955	3058067.411	27 ° 37 ' 0.4424 "	78 ° 7 ' 20.7073 "
CH:5950	215997.173	3058116.634	27 ° 37 ' 2.0335 "	78 ° 7 ' 20.3455 "
CH:6000	215988.391	3058165.857	27 ° 37 ' 3.6245 "	78 ° 7 ' 19.9836 "
CH:6050	215979.609	3058215.08	27 ° 37 ' 5.2156 "	78 ° 7 ' 19.6218 "
CH:6100	215970.828	3058264.302	27 ° 37 ' 6.8066 "	78 ° 7 ' 19.26 "
CH:6150	215962.046	3058313.525	27 ° 37 ' 8.3976 "	78 ° 7 ' 18.8982 "
CH:6200	215953.264	3058362.748	27 ° 37 ' 9.9887 "	78 ° 7 ' 18.5364 "
CH:6250	215944.482	3058411.971	27 ° 37 ' 11.5797 "	78 ° 7 ' 18.1746 "
CH:6300	215935.7	3058461.193	27 ° 37 ' 13.1707 "	78 ° 7 ' 17.8127 "
CH:6350	215926.919	3058510.416	27 ° 37 ' 14.7618 "	78 ° 7 ' 17.4509 "
CH:6400	215918.137	3058559.639	27 ° 37 ' 16.3528 "	78 ° 7 ' 17.0891 "
CH:6450	215909.507	3058608.888	27 ° 37 ' 17.9448 "	78 ° 7 ' 16.7328 "
CH:6500	215902.362	3058658.37	27 ° 37 ' 19.5455 "	78 ° 7 ' 16.4303 "
CH:6550	215897.66	3058708.143	27 ° 37 ' 21.1575 "	78 ° 7 ' 16.2167 "
CH:6600	215895.45	3058758.088	27 ° 37 ' 22.777 "	78 ° 7 ' 16.0937 "
CH:6650	215895.737	3058808.082	27 ° 37 ' 24.4 "	78 ° 7 ' 16.0617 "
CH:6700	215898.521	3058857.999	27 ° 37 ' 26.0223 "	78 ° 7 ' 16.1207 "
CH:6750	215903.793	3058907.714	27 ° 37 ' 27.64 "	78 ° 7 ' 16.2706 "
CH:6800	215911.541	3058957.105	27 ° 37 ' 29.2491 "	78 ° 7 ' 16.511 "
CH:6850	215921.746	3059006.046	27 ° 37 ' 30.8454 "	78 ° 7 ' 16.8413 "
CH:6900	215934.383	3059054.418	27 ° 37 ' 32.4251 "	78 ° 7 ' 17.2607 "
CH:6950	215949.419	3059102.097	27 ° 37 ' 33.9841 "	78 ° 7 ' 17.7682 "
CH:7000	215966.817	3059148.967	27 ° 37 ' 35.5187 "	78 ° 7 ' 18.3624 "
CH:7050	215986.534	3059194.909	27 ° 37 ' 37.0249 "	78 ° 7 ' 19.0419 "
CH:7100	216008.519	3059239.81	27 ° 37 ' 38.499 "	78 ° 7 ' 19.805 "
CH:7150	216032.266	3059283.809	27 ° 37 ' 39.9452 "	78 ° 7 ' 20.633 "

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CHAINAGE	EASTING	NORTHING	LATITUDE	LONGITUDE
CH:7200	216056.389	3059327.605	27 ° 37 ' 41.3851 "	78 ° 7 ' 21.4749 "
CH:7250	216080.511	3059371.402	27 ° 37 ' 42.825 "	78 ° 7 ' 22.3168 "
CH:7300	216104.634	3059415.198	27 ° 37 ' 44.2649 "	78 ° 7 ' 23.1588 "
CH:7350	216128.757	3059458.994	27 ° 37 ' 45.7048 "	78 ° 7 ' 24.0007 "
CH:7400	216152.88	3059502.79	27 ° 37 ' 47.1446 "	78 ° 7 ' 24.8426 "
CH:7450	216177.002	3059546.586	27 ° 37 ' 48.5845 "	78 ° 7 ' 25.6846 "
CH:7500	216201.125	3059590.382	27 ° 37 ' 50.0244 "	78 ° 7 ' 26.5265 "
CH:7550	216225.248	3059634.178	27 ° 37 ' 51.4643 "	78 ° 7 ' 27.3685 "
CH:7600	216249.37	3059677.974	27 ° 37 ' 52.9042 "	78 ° 7 ' 28.2104 "
CH:7650	216273.493	3059721.77	27 ° 37 ' 54.344 "	78 ° 7 ' 29.0524 "
CH:7700	216297.616	3059765.566	27 ° 37 ' 55.7839 "	78 ° 7 ' 29.8944 "
CH:7750	216321.739	3059809.362	27 ° 37 ' 57.2238 "	78 ° 7 ' 30.7364 "
CH:7800	216345.861	3059853.158	27 ° 37 ' 58.6637 "	78 ° 7 ' 31.5783 "
CH:7850	216369.984	3059896.954	27 ° 38 ' 0.1035 "	78 ° 7 ' 32.4203 "
CH:7900	216394.107	3059940.75	27 ° 38 ' 1.5434 "	78 ° 7 ' 33.2623 "
CH:7950	216418.229	3059984.546	27 ° 38 ' 2.9833 "	78 ° 7 ' 34.1043 "
CH:8000	216442.352	3060028.342	27 ° 38 ' 4.4231 "	78 ° 7 ' 34.9463 "
CH:8050	216466.475	3060072.139	27 ° 38 ' 5.863 "	78 ° 7 ' 35.7883 "
CH:8100	216490.597	3060115.935	27 ° 38 ' 7.3029 "	78 ° 7 ' 36.6303 "
CH:8150	216514.72	3060159.731	27 ° 38 ' 8.7428 "	78 ° 7 ' 37.4723 "
CH:8200	216538.843	3060203.527	27 ° 38 ' 10.1826 "	78 ° 7 ' 38.3144 "
CH:8250	216562.966	3060247.323	27 ° 38 ' 11.6225 "	78 ° 7 ' 39.1564 "
CH:8300	216587.088	3060291.119	27 ° 38 ' 13.0624 "	78 ° 7 ' 39.9984 "
CH:8350	216611.211	3060334.915	27 ° 38 ' 14.5022 "	78 ° 7 ' 40.8405 "
CH:8400	216635.334	3060378.711	27 ° 38 ' 15.9421 "	78 ° 7 ' 41.6825 "
CH:8450	216659.456	3060422.507	27 ° 38 ' 17.3819 "	78 ° 7 ' 42.5246 "
CH:8500	216683.579	3060466.303	27 ° 38 ' 18.8218 "	78 ° 7 ' 43.3666 "
CH:8550	216707.702	3060510.099	27 ° 38 ' 20.2617 "	78 ° 7 ' 44.2087 "
CH:8600	216731.825	3060553.895	27 ° 38 ' 21.7015 "	78 ° 7 ' 45.0508 "
CH:8650	216755.947	3060597.691	27 ° 38 ' 23.1414 "	78 ° 7 ' 45.8929 "
CH:8700	216780.07	3060641.487	27 ° 38 ' 24.5812 "	78 ° 7 ' 46.735 "
CH:8750	216804.193	3060685.283	27 ° 38 ' 26.0211 "	78 ° 7 ' 47.5771 "
CH:8800	216828.315	3060729.079	27 ° 38 ' 27.4609 "	78 ° 7 ' 48.4191 "
CH:8850	216852.438	3060772.876	27 ° 38 ' 28.9008 "	78 ° 7 ' 49.2612 "
CH:8900	216876.561	3060816.672	27 ° 38 ' 30.3407 "	78 ° 7 ' 50.1034 "
CH:8950	216900.683	3060860.468	27 ° 38 ' 31.7805 "	78 ° 7 ' 50.9455 "
CH:9000	216924.806	3060904.264	27 ° 38 ' 33.2204 "	78 ° 7 ' 51.7876 "
CH:9050	216948.929	3060948.06	27 ° 38 ' 34.6602 "	78 ° 7 ' 52.6297 "
CH:9100	216972.876	3060991.951	27 ° 38 ' 36.103 "	78 ° 7 ' 53.4654 "
CH:9150	216995.381	3061036.595	27 ° 38 ' 37.5692 "	78 ° 7 ' 54.2478 "
CH:9200	217015.648	3061082.297	27 ° 38 ' 39.0679 "	78 ° 7 ' 54.9478 "
CH:9250	217033.607	3061128.955	27 ° 38 ' 40.596 "	78 ° 7 ' 55.5629 "
CH:9300	217049.214	3061176.451	27 ° 38 ' 42.1495 "	78 ° 7 ' 56.0915 "
CH:9350	217062.43	3061224.667	27 ° 38 ' 43.7246 "	78 ° 7 ' 56.5324 "
CH:9400	217073.221	3061273.483	27 ° 38 ' 45.3172 "	78 ° 7 ' 56.8843 "
CH:9450	217081.561	3061322.777	27 ° 38 ' 46.9236 "	78 ° 7 ' 57.1466 "
CH:9500	217087.429	3061372.426	27 ° 38 ' 48.5396 "	78 ° 7 ' 57.3184 "
CH:9550	217090.811	3061422.306	27 ° 38 ' 50.1612 "	78 ° 7 ' 57.3994 "

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CH:9600	217091.697	3061472.293	27 ° 38 ' 51.7844 "	78 ° 7 ' 57.3894 "
CH:9650	217090.087	3061522.262	27 ° 38 ' 53.4051 "	78 ° 7 ' 57.2883 "
CH:9700	217085.985	3061572.088	27 ° 38 ' 55.0193 "	78 ° 7 ' 57.0966 "
CH:9750	217079.654	3061621.683	27 ° 38 ' 56.6243 "	78 ° 7 ' 56.8238 "
CH:9800	217072.589	3061671.182	27 ° 38 ' 58.2257 "	78 ° 7 ' 56.5243 "