

20200201_PSP4_ConsensusTarget

date	time	Tx(GONG)	Ty(GONG)	Tx(HMI)	Ty(HMI)
2020-01-01	00:00:00	-339.1199705703	873.2309504747	-601.7421588604	-439.5448892795
2020-01-01	06:00:00	-334.6542521378	876.9402685392	-564.1318118442	-437.5812241103
2020-01-01	12:00:00	-326.23144448617	876.1332422305	-650.1388495462	-645.8400906052
2020-01-01	18:00:00	-323.1829640633	882.0245501072	-660.6185382032	-620.4577910668
2020-01-02	00:00:00	-1984.673976644	180.314108385	-652.4985554244	-612.0345405371
2020-01-02	06:00:00	-1984.262729384	196.8577328992	-636.4338294193	-610.6589985959
2020-01-02	12:00:00	-1993.6489742997	199.2622506118	-625.8674276138	-603.931847197
2020-01-02	18:00:00	-2001.4129860168	201.6406026171	-599.2463485664	-603.6707164211
2020-01-03	00:00:00	-2008.0804019801	203.7562223423	-575.3645205216	-605.3774898472
2020-01-03	06:00:00	-547.6595502456	-707.8704852492	-547.3456925005	-611.8288742528
2020-01-03	12:00:00	-542.9853933943	-702.6444751244	-2002.093114835	205.9491651027
2020-01-03	18:00:00	-528.9156715653	-698.8338339635	nan	nan
2020-01-04	00:00:00	-509.5354902961	-696.1996505708	nan	nan
2020-01-04	06:00:00	-2030.7570293536	203.5938922758	-840.2903392122	511.797496901
2020-01-04	12:00:00	-2031.9827834622	200.7757029588	-857.1404381157	479.526466507
2020-01-04	18:00:00	-2043.6053607857	180.7213694458	-862.0523023431	457.7095698712
2020-01-05	00:00:00	-399.8722273959	884.3915101289	-867.934653745	441.8904800417
2020-01-05	06:00:00	-417.7265715767	878.7659871501	-865.4832111443	426.0846945745
2020-01-05	12:00:00	-421.6676533455	870.1108997882	-861.2874765764	414.1438157756
2020-01-05	18:00:00	-432.2931313734	867.2468575687	-858.9008184867	405.0644713127
2020-01-06	00:00:00	-441.4144096195	863.8376350996	-849.5297908178	393.0848818676
2020-01-06	06:00:00	-437.0601892418	858.4137581352	-847.3010342475	388.2412043762
2020-01-06	12:00:00	-442.6321042248	857.3399461405	-837.5159630084	382.3071556502
2020-01-06	18:00:00	-435.3109408806	855.7614120542	-826.3426731576	379.1007699571
2020-01-07	00:00:00	-426.6143692434	856.7912756747	-807.7325380654	374.3513408769
2020-01-07	06:00:00	-417.5302935054	859.8298852496	-798.4949831518	374.8086667337
2020-01-07	12:00:00	-399.5460355412	860.7594014869	-780.4627817818	375.8725621843
2020-01-07	18:00:00	-391.8411921845	864.7762284327	-764.0525136848	380.4882960206
2020-01-08	00:00:00	-375.5995474316	866.0653899666	-740.322576765	387.0471267019
2020-01-08	06:00:00	-366.4497111295	875.6165210535	-718.6639588752	396.6009867868
2020-01-08	12:00:00	-350.321741669	881.2408821101	-707.3953694762	412.9946514488
2020-01-08	18:00:00	-344.4705932732	889.7576391598	-681.1339427405	423.4165780575
2020-01-09	00:00:00	-330.5065510911	895.0424834267	-662.2072446086	445.0781920201
2020-01-09	06:00:00	-317.5895333467	900.2570224929	-650.3955994637	468.7942849763
2020-01-09	12:00:00	-323.0844247949	908.870097113	-638.4761699659	487.9353325249
2020-01-09	18:00:00	-316.813935183	905.6576547762	-617.4532620322	500.8821733338
2020-01-10	00:00:00	-329.5933248759	908.1453933163	-592.8688526894	521.6187566181
2020-01-10	06:00:00	-338.0094267039	905.6697883926	-547.7283809574	562.3524938711
2020-01-10	12:00:00	-347.3434224003	903.6418984644	-531.9105662042	633.7788878641
2020-01-10	18:00:00	-355.8887725186	902.0368125214	-532.2857099732	643.9724982012
2020-01-11	00:00:00	-2133.6053768951	177.0739161161	-519.8650607676	646.4146556995
2020-01-11	06:00:00	-2144.100623745	174.3540977659	-478.9589278665	670.143755097
2020-01-11	12:00:00	-2135.7720097446	191.8000106546	-420.3083546206	729.7928940069
2020-01-11	18:00:00	-2141.4514974547	192.7970560952	-413.45856084	787.0754307274
2020-01-12	00:00:00	-2146.3013289878	193.8014280517	-409.0131550373	804.1317599525
2020-01-12	06:00:00	-2150.4012210937	194.7859385292	-398.1193794305	813.6911430098
2020-01-12	12:00:00	-2153.8099234072	195.5931704162	-384.4678699735	830.1479133651
2020-01-12	18:00:00	-2156.5796965633	196.0515601297	-369.9732289643	849.9805421284

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2020-01-13	00:00:00	-2158.7261381191	196.0340819621	-354.2899581918	869.5033181605
2020-01-13	06:00:00	-2160.2211419849	195.4526076739	-346.1933800897	886.5256008859
2020-01-13	12:00:00	-2160.9352141384	194.2044878652	-356.6064973497	891.9329978608
2020-01-13	18:00:00	-2160.6297975248	192.2563894894	-405.7005712399	881.3683442469
2020-01-14	00:00:00	-2158.7948187939	189.7350657152	-445.9869414424	867.2237064004
2020-01-14	06:00:00	-2168.9670487465	169.9757306643	-489.3124878793	839.5783152318
2020-01-14	12:00:00	-2155.2701094169	172.9158014104	-549.8510227904	798.0889243099
2020-01-14	18:00:00	-465.7567487971	845.9369781842	-590.0808494203	755.215566532
2020-01-15	00:00:00	-469.5513611964	844.5594981888	-587.4058623142	752.6656951561
2020-01-15	06:00:00	-463.2211977795	841.7447184258	-576.2319884542	755.7743873669
2020-01-15	12:00:00	-463.9923342541	845.7509754802	-567.2228077922	759.8041984268
2020-01-15	18:00:00	-446.3148178214	844.3250603483	-555.6462855786	765.2949878747
2020-01-16	00:00:00	-438.8108812275	849.774800299	-534.150048912	772.6719841749
2020-01-16	06:00:00	-422.7970895709	852.85380016	-513.6895281721	782.8611959194
2020-01-16	12:00:00	-407.181423218	859.60140369	-490.7951234584	793.3896284299
2020-01-16	18:00:00	-382.920339091	866.9418827109	-468.159836015	809.7114492169
2020-01-17	00:00:00	-361.4959108729	880.3493664222	-448.008674151	825.5352435333
2020-01-17	06:00:00	-358.8744352327	892.1177992944	-435.2198634541	832.9792372327
2020-01-17	12:00:00	-363.7115534751	892.9769664475	-432.5630420542	843.0315848451
2020-01-17	18:00:00	-353.4154252675	892.3980780411	-422.5403180984	844.5004778646
2020-01-18	00:00:00	-356.5949903121	895.9393836443	-414.3164877305	851.2900385351
2020-01-18	06:00:00	-361.105096312	896.1538130896	-402.3317603557	855.1922948576
2020-01-18	12:00:00	-362.6437682672	897.8600999001	-397.9728723057	859.8571034132
2020-01-18	18:00:00	-366.1710898485	899.9873772613	-391.3617160686	864.1695196042
2020-01-19	00:00:00	-374.7608886906	899.7309243265	-380.9853532226	864.3677596789
2020-01-19	06:00:00	-386.8060804261	897.605101753	-2138.0136832788	177.1959203576
2020-01-19	12:00:00	-395.9686185911	886.9124241422	-746.3499877052	-603.3810855477
2020-01-19	18:00:00	-437.966846992	866.8431492921	-787.2910491477	-537.6047189195
2020-01-20	00:00:00	-2120.6332520133	154.5832163995	-786.8212520534	-525.4725953407
2020-01-20	06:00:00	-2109.941981897	174.3388691467	-782.0666504246	-516.904118263
2020-01-20	12:00:00	-755.0692187974	-534.3313693283	-765.1245427083	-506.1068680088
2020-01-20	18:00:00	-742.7395874646	-525.6671224025	-755.9231134215	-493.8725987252
2020-01-21	00:00:00	-726.1777122689	-517.9225885768	-786.7123875471	-413.8307892315
2020-01-21	06:00:00	-710.7904694923	-514.3102878072	-843.4487660991	-341.1243141939
2020-01-21	12:00:00	-688.1475074713	-508.7931628561	-824.9046696476	-327.1714961483
2020-01-21	18:00:00	-665.9025264534	-506.4106048404	-803.3373708939	-323.3887320617
2020-01-22	00:00:00	-643.9981184797	-507.2466173293	-789.7548737472	-329.9850216379
2020-01-22	06:00:00	-614.6954203777	-508.2178078872	-771.5377334659	-328.6688598248
2020-01-22	12:00:00	-579.9221312946	-510.2232672134	-746.0274212989	-326.075355211
2020-01-22	18:00:00	-546.0518660892	-528.9794533023	-719.5828882845	-324.6110724578
2020-01-23	00:00:00	-506.6965691769	-648.2188896462	-686.8439531953	-323.8124537952
2020-01-23	06:00:00	-511.9541228605	-650.4225232771	-661.3924678508	-362.5088468705
2020-01-23	12:00:00	-494.7740189754	-650.1608486689	-634.1664845631	-386.8723001112
2020-01-23	18:00:00	-473.9624550166	-650.3858277042	-597.5199387826	-457.8837935405
2020-01-24	00:00:00	-452.5922381813	-653.0413319687	-562.4974058482	-462.113987033
2020-01-24	06:00:00	-422.6401289783	-654.647386046	-551.8604260953	-504.3641916455
2020-01-24	12:00:00	-391.0540373588	-662.9478905132	-583.2557571547	-493.4873780235
2020-01-24	18:00:00	-358.4377034183	-677.6530735614	-553.8382282089	-482.6882020983
2020-01-25	00:00:00	-318.1948336151	-692.9726058932	-525.666608436	-482.3214562387

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2020-01-25	06:00:00	-279.2138715081	-709.2915894821	-536.9519527077	-496.5845597546
2020-01-25	12:00:00	-208.4540129942	-778.6407769169	-508.1213500786	-491.7680055353
2020-01-25	18:00:00	-187.2194716872	-800.017612031	-471.2313118689	-486.1872347666
2020-01-26	00:00:00	-170.1463924896	-807.7163188869	-440.1030258196	-483.6384741006
2020-01-26	06:00:00	-153.2393841438	-812.5633342114	-401.4653728106	-480.0944572899
2020-01-26	12:00:00	-137.8225109754	-816.6451960704	-359.8384306654	-477.3887800298
2020-01-26	18:00:00	-109.6792197516	-814.8632611005	-315.3028132101	-475.4652106546
2020-01-27	00:00:00	-72.7270750331	-808.6323071165	-273.4513343105	-475.927277623
2020-01-27	06:00:00	-34.2367956028	-801.8036321284	-224.1079954859	-475.8596832187
2020-01-27	12:00:00	14.5308819698	-786.5326596352	-174.4915103032	-477.1453972514
2020-01-27	18:00:00	61.8984773182	-709.5950979026	-119.5189142623	-478.5559978
2020-01-28	00:00:00	103.6873456576	-683.363565174	-9.3916115798	-468.4309140533
2020-01-28	06:00:00	149.0478350914	-662.6763993605	48.5981269442	-467.5646163671
2020-01-28	12:00:00	198.3350565894	-646.1119528471	132.6293806748	-528.6046063369
2020-01-28	18:00:00	251.4379800271	-637.2025540522	282.9260400421	-445.2866012868
2020-01-29	00:00:00	304.3495881932	-636.3543709069	337.6703910763	-438.5269441944
2020-01-29	06:00:00	355.8668715441	-635.3741939202	397.8347176234	-433.9773926979
2020-01-29	12:00:00	472.272129132	-626.0362490191	494.0249525839	-354.8622780789
2020-01-29	18:00:00	597.6161644785	-518.6152231553	577.8458225119	-319.0075687636
2020-01-30	00:00:00	640.7841956535	-511.5672903662	623.674424909	-317.957749846
2020-01-30	06:00:00	677.1833443217	-512.2178454665	670.272038708	-324.8530921176
2020-01-30	12:00:00	706.6739166703	-514.2188565483	722.9872929035	-486.8542799095
2020-01-30	18:00:00	727.9747890238	-515.0845572381	744.1900540335	-495.9676352669
2020-01-31	00:00:00	746.8441542208	-519.0570532919	766.3709508367	-503.8218694976
2020-01-31	06:00:00	762.8895236706	-525.442928965	782.2394732423	-510.8215571617
2020-01-31	12:00:00	776.4047727673	-534.1020462929	789.204034604	-514.924916679
2020-01-31	18:00:00	786.7910245057	-544.5615261094	803.3632656582	-523.1930147501
2020-02-01	00:00:00	789.8730757298	-546.7644543919	806.7246719907	-527.4589696462
2020-02-01	06:00:00	793.0157673875	-559.0106620266	815.3348815889	-536.7503701168
2020-02-01	12:00:00	792.1200104901	-570.875819641	812.5266989961	-539.8861679396
2020-02-01	18:00:00	789.573880276	-569.5390153933	814.0782365431	-547.7874956642
2020-02-02	00:00:00	783.7638029823	-585.1249748441	nan	nan
2020-02-02	06:00:00	nan	nan	nan	nan
2020-02-02	12:00:00	nan	nan	nan	nan
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2020-02-03	00:00:00	nan	nan	nan	nan
2020-02-03	06:00:00	nan	nan	nan	nan
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2020-02-03	18:00:00	nan	nan	nan	nan
2020-02-04	00:00:00	nan	nan	nan	nan
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2020-02-04	18:00:00	nan	nan	nan	nan
2020-02-05	00:00:00	nan	nan	nan	nan
2020-02-05	06:00:00	nan	nan	nan	nan
2020-02-05	12:00:00	nan	nan	nan	nan
2020-02-05	18:00:00	nan	nan	nan	nan
2020-02-06	00:00:00	nan	nan	nan	nan
2020-02-06	06:00:00	nan	nan	nan	nan

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2020-02-06	12:00:00	nan	nan	nan	nan
2020-02-06	18:00:00	nan	nan	nan	nan
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2020-02-07	06:00:00	nan	nan	nan	nan
2020-02-07	12:00:00	nan	nan	nan	nan
2020-02-07	18:00:00	nan	nan	nan	nan
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2020-02-16	00:00:00	nan	nan	nan	nan
2020-02-16	06:00:00	nan	nan	nan	nan
2020-02-16	12:00:00	nan	nan	nan	nan
2020-02-16	18:00:00	nan	nan	nan	nan
2020-02-17	00:00:00	nan	nan	nan	nan
2020-02-17	06:00:00	nan	nan	nan	nan
2020-02-17	12:00:00	nan	nan	nan	nan
2020-02-17	18:00:00	nan	nan	nan	nan
2020-02-18	00:00:00	nan	nan	nan	nan
2020-02-18	06:00:00	nan	nan	nan	nan
2020-02-18	12:00:00	nan	nan	nan	nan

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2020-02-18	18:00:00	nan	nan	nan	nan
2020-02-19	00:00:00	nan	nan	nan	nan
2020-02-19	06:00:00	nan	nan	nan	nan
2020-02-19	12:00:00	nan	nan	nan	nan
2020-02-19	18:00:00	nan	nan	nan	nan
2020-02-20	00:00:00	nan	nan	nan	nan
2020-02-20	06:00:00	nan	nan	nan	nan
2020-02-20	12:00:00	nan	nan	nan	nan
2020-02-20	18:00:00	nan	nan	nan	nan
2020-02-21	00:00:00	nan	nan	nan	nan
2020-02-21	06:00:00	nan	nan	nan	nan
2020-02-21	12:00:00	nan	nan	nan	nan
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2020-02-26	18:00:00	nan	nan	nan	nan
2020-02-27	00:00:00	nan	nan	nan	nan
2020-02-27	06:00:00	nan	nan	nan	nan
2020-02-27	12:00:00	nan	nan	nan	nan
2020-02-27	18:00:00	nan	nan	nan	nan

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lon(GONG)	lat(GONG)	elon(GONG)	elat(GONG)	lon(HMI)	lat(HMI)
25.4724314619	60.9300910051	10	10	26.5668744723	-28.697296355
22.7697489503	61.0998324439	10	10	26.5039192603	-28.7758542005
19.6504417933	61.6232074642	10	10	0.6615755371	-42.4368084644
16.9539401921	61.7468185458	10	10	357.7134257385	-40.8176365074
4.5412729381	2.331742375	10	10	357.2067659875	-40.1518899959
1.0716258794	2.7153440782	10	10	356.0124840241	-40.2461154989
357.5845674095	2.7520629225	10	10	355.322656035	-39.678956779
354.0990980533	2.791794454	10	10	354.8835681123	-39.9620396603
350.6150425061	2.8279518416	10	10	354.4309640064	-40.1546787242
344.0401733747	-48.1929819916	10	10	353.9021852135	-40.7238882526
343.2613157285	-47.4636419455	10	10	344.1007526883	2.8513238755
342.089151782	-47.337479115	10	10	306.2090223786	48.0743876286
341.1602382436	-47.410462341	10	10	302.538100709	37.2549652777
333.2269591261	2.7851674459	10	10	301.8386018073	31.1704292662
329.759164548	2.7193966572	10	10	300.8977962627	28.8510416185
326.328226351	2.2300112743	10	10	299.9908316419	27.3493778609
314.1378290052	63.0369464493	10	10	299.0377851372	26.08847374
309.9652867273	62.0300185403	10	10	297.9801389278	25.0199864261
306.7658124614	61.5417694505	10	10	297.0987782428	24.1308586476
303.7660962052	60.7845671574	10	10	296.0167221081	23.338522422
301.3817002002	59.9570453751	10	10	294.7563859899	22.5622439044
299.5054180149	59.7063925243	10	10	293.6407237646	21.9337849029
297.791852197	58.9407812377	10	10	292.3613886927	21.435782961
296.319889128	58.8151317998	10	10	291.2074015182	21.0638580217
294.9670169179	58.7862801652	10	10	289.9975083395	20.7773382012
293.3769319098	58.8890780808	10	10	288.7244914305	20.525187074
291.540901942	59.5590492526	10	10	287.5438486546	20.4792002651
289.8043171052	59.627230768	10	10	286.2100972668	20.6005332839
287.9486585679	60.2111752572	10	10	284.814196658	21.0276101089
285.8912936321	60.6357014949	10	10	283.2451194042	21.6062087646
283.3764051684	61.6068284892	10	10	281.3290967514	22.3449791083
279.9583698166	62.2956767377	10	10	279.608565862	23.1563745313
276.7386691992	63.391013979	10	10	277.7109619196	24.398276943
273.1246087355	64.5585197599	10	10	274.8280076275	25.8994603346
267.9036033916	65.0380733939	10	10	272.1668500608	27.066407332
263.1649823858	65.8437121299	10	10	270.0115390026	28.0494159644
257.1763130567	65.815950496	10	10	268.2459576907	29.4089606111
251.510765191	65.8297355566	10	10	267.7654333156	32.0594111192
246.310471562	65.649931871	10	10	262.6349514083	37.4104217154
241.7553445041	65.3676970793	10	10	258.9380673921	38.0839589271
239.6395295353	2.0396535629	10	10	256.715103992	38.2592667806
236.2142956501	1.9571157684	10	10	256.3072858342	39.962008262
232.8105119379	2.3757850427	10	10	255.5532898344	44.7226551498
229.3988463736	2.3867129463	10	10	248.5753294112	49.9474185727
225.9934875323	2.3989561133	10	10	243.5346863658	51.9250876071
222.5950091904	2.4116571555	10	10	239.6807814767	53.3511102541
219.2036090051	2.4210366677	10	10	236.4768850406	54.8497467352
215.8195247088	2.4230024931	10	10	232.7855119939	56.7690377531

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212.4430514443	2.4145586637	10	10	228.1508834946	59.1871543855
209.0745554907	2.3936805284	10	10	221.3625302353	61.7728921134
205.7145868435	2.3581809497	10	10	210.5139080825	63.7722091492
202.3636218292	2.3076759512	10	10	200.4680820931	62.2013804693
199.0218207239	2.2460252529	10	10	192.7022339565	60.4565227054
195.7195960983	1.7583767104	10	10	185.7974452989	57.9476722408
192.3865055631	1.8434852309	10	10	181.3925314356	53.6236157451
184.1347982277	58.4288243063	10	10	182.8354913866	49.0039868969
182.4587243471	57.7914171539	10	10	182.2040170539	48.336129565
180.8330427106	57.6374981095	10	10	180.4449412517	48.5776396119
179.5560267918	57.1644688302	10	10	178.6310039233	48.7443474074
178.3162112303	57.5451964391	10	10	177.0761425361	48.9989387658
176.8514701688	57.5859211183	10	10	175.4858395383	49.8530602534
175.3838646715	58.0517443817	10	10	173.7658407721	50.8078271612
173.9764022965	58.577380037	10	10	172.450619057	51.7673108093
172.5212676418	59.7055642062	10	10	171.0280889521	52.9615676554
169.7480071908	61.3489250322	10	10	168.3794277281	54.4898324891
164.6339424553	62.497506266	10	10	164.8515659768	55.6373674638
159.6654701084	62.7486732104	10	10	161.1649971935	56.2865770315
155.7093760367	63.6164861538	10	10	157.797170918	56.9970501757
150.69452642	64.0031400406	10	10	155.2866197883	57.437582006
146.0848380309	64.0801505754	10	10	152.1226902887	58.2889427788
141.8966152043	64.2608112755	10	10	149.2247840386	58.5645732801
136.8804400176	64.5225982091	10	10	146.8845655896	58.7588358583
131.9685438518	64.3660224674	10	10	144.4657755076	59.1123971732
126.2290176308	64.1194011415	10	10	130.8883983142	1.6272067612
120.7145012377	63.7462146494	10	10	107.4446176502	-39.1404526101
116.8648745637	60.8894297161	10	10	106.4841345214	-34.5218037542
121.9327220519	0.993384454	10	10	105.7400943178	-33.8172834019
119.0422865486	1.4121136285	10	10	105.2838442246	-33.3503727988
104.8184610544	-34.8137656536	10	10	104.9374310237	-33.0922652307
104.4089060749	-34.4587887249	10	10	104.9208102298	-32.3967161687
103.989882178	-34.2255846225	10	10	102.7930821611	-27.259994699
103.5037986093	-34.0963124252	10	10	96.4020115575	-22.2716587516
103.1142139355	-34.0451247004	10	10	96.2785718518	-21.706735707
102.6543653127	-34.0831428869	10	10	95.8021398891	-21.7343667435
102.1308511022	-34.2162130503	10	10	93.7819773835	-22.2751985901
101.6913022195	-34.5536482649	10	10	93.1325573441	-22.3160165658
101.249058778	-35.1161052513	10	10	92.5132541738	-22.409751545
100.6703028837	-36.4582602448	10	10	92.0908475053	-22.5122125938
93.8815914335	-45.1655101926	10	10	91.8233062514	-22.7268418458
89.7668443545	-45.3117824024	10	10	89.781510598	-25.2243172187
88.6102367231	-45.3644573225	10	10	88.297835643	-26.8684741538
87.594177892	-45.5354606146	10	10	85.9702005774	-31.4828096026
86.5305404342	-45.8225579088	10	10	85.3891194446	-32.0903411111
85.9395107671	-46.3074086045	10	10	81.6362768187	-34.8019548967
85.3970025958	-47.1189543265	10	10	75.8256607712	-33.9288892113
84.8230282731	-48.2627665218	10	10	75.2660547706	-33.6023276736
84.6123436384	-49.7733008948	10	10	74.6903182324	-33.680443175

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84.4387873685	-51.2581278276	10	10	70.0368560794	-34.4766669467
84.582218008	-57.8706773245	10	10	69.4885244265	-34.3307546919
82.3200154257	-60.1013312135	10	10	69.2326564816	-34.3245920614
80.6220510012	-60.9522263801	10	10	68.9514149316	-34.1122729938
79.1437562386	-61.5262891624	10	10	68.7614012801	-34.1113493398
77.6821032169	-61.870024049	10	10	68.723888246	-34.1492968015
78.0236709145	-61.8378393267	10	10	68.8268430023	-34.2267188284
79.5547393516	-61.3301803317	10	10	68.8909269238	-34.1499480394
81.1121468823	-60.5128122593	10	10	69.1951038738	-34.2959301446
83.5571728005	-59.2324223504	10	10	69.5123838048	-34.4234678596
84.4863290691	-51.9978051637	10	10	70.1123798515	-34.6708316709
84.7871308111	-49.9253729127	10	10	74.6495843259	-34.0414063531
85.1693236941	-48.0787449435	10	10	75.4389603117	-34.0812672673
85.908035591	-46.7407490886	10	10	78.6426625896	-38.2493794922
87.1344463126	-45.9842941659	10	10	85.4442075747	-32.437004143
88.4279536048	-45.5916583598	10	10	86.1160847357	-31.8950976324
90.0422994207	-45.4486996891	10	10	87.0355510557	-31.2527321956
97.8513073065	-44.1730459616	10	10	89.4000537348	-25.9312708993
101.0296339581	-35.8658996806	10	10	92.1128775795	-23.4424352747
101.7410032202	-35.0169925055	10	10	92.943901349	-23.2296722532
102.3705225649	-34.6687751209	10	10	94.0394647838	-23.3688022179
102.9911334278	-34.5160337684	10	10	104.1327309081	-32.817060482
103.5740618627	-34.4606732671	10	10	104.0492359933	-33.0473411504
104.0351538228	-34.4967633953	10	10	104.2205865227	-33.1278704911
104.343271993	-34.6152487096	10	10	104.5060480321	-33.2815897016
104.5784881023	-34.8169593527	10	10	104.7761162233	-33.4722643165
104.7524573921	-35.1039895648	10	10	104.9851902245	-33.5321234146
104.8147325573	-35.1368895837	10	10	105.157472225	-33.6412678582
104.736546424	-35.5627393004	10	10	105.3486961521	-33.7293125228
104.4746823808	-36.0291755263	10	10	105.4266003996	-33.7926872183
103.9904925882	-35.8641533918	10	10	105.5374625615	-33.8517399213
103.6329236788	-36.5418241107	10	10	105.504223791	-33.832330222
103.7992559509	-36.4658909483	10	10	105.5100079328	-33.8191346205
104.2727246907	-35.8864152746	10	10	105.4705609126	-33.7732560157
104.6591755503	-35.7599694687	10	10	105.3989543498	-33.7073820389
104.8645816247	-35.592858983	10	10	105.3040752574	-33.6351824288
104.9434577708	-35.4140038704	10	10	105.2440827165	-33.5138351233
104.9067351807	-34.9510695892	10	10	105.1032694353	-33.4136187845
104.8306457135	-34.8536686224	10	10	104.9680405632	-33.3111030881
104.7085399727	-34.7637654762	10	10	104.8426975352	-33.1911221949
104.5429389412	-34.680231027	10	10	104.7216146706	-33.0141131251
104.3727093013	-34.4680235062	10	10	104.6084287439	-32.719986949
104.1424928005	-34.3918517443	10	10	104.6776068732	-32.5362582025
103.9309860114	-34.2757641001	10	10	105.6471711229	-31.5730782497
103.7071371984	-34.1983526424	10	10	102.2653169955	-26.9857318024
103.4751480027	-34.148968392	10	10	96.2912089912	-22.478709741
103.2226157174	-34.1239476406	10	10	95.9897815091	-22.2727436075
102.9183175668	-34.132788593	10	10	95.2484451892	-22.2636070446
102.5643361649	-34.1793199534	10	10	94.1652028778	-22.4381648345

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102.1678727952	-34.2754547076	10	10	93.7332638544	-22.4315687851
101.8773219899	-34.4838839526	10	10	93.1439295868	-22.4698430468
101.5059108596	-34.8197947425	10	10	92.711652727	-22.4900383445
101.0236518069	-35.4247960697	10	10	92.3542579446	-22.515472882
100.6695632164	-36.5802087336	10	10	92.0398136576	-22.5825939639
94.7285186018	-45.0213290282	10	10	91.8346427433	-22.740182582
90.1171372615	-45.3215307601	10	10	90.2016904557	-24.9056674246
88.8495338977	-45.3367049036	10	10	88.5113517699	-26.351190981
87.7938386455	-45.4886255728	10	10	86.1622008414	-31.3298813389
86.5579783369	-45.7581698857	10	10	85.5114769182	-31.9887275942
85.6876430475	-46.2662035193	10	10	81.5603296743	-34.7231794507
85.1579459005	-47.4005823096	10	10	75.5279112589	-33.7035077878
84.754382755	-49.5212442944	10	10	74.6570292225	-33.6212089718
84.7923023597	-55.4090543752	10	10	69.4987638849	-34.3656593822
79.870626691	-61.0564409608	10	10	68.5917157425	-33.9082651079
67.1836986019	0.782433252	10	10	65.6081503219	-31.9707826049
64.7492998755	0.7793676212	10	10	64.9915027573	-30.7552924285
62.2913962632	0.784397411	10	10	64.4906313399	-29.745163561
59.811386004	0.7980733534	10	10	64.334247308	-30.7483793916
57.3105295336	0.8174042336	10	10	64.2511437418	-32.0056381279
54.7949664205	0.4183302802	10	10	60.3126317203	-42.9554901739
52.2527609579	0.4516356328	10	10	48.8732962095	-51.5416293697
49.6921954422	0.4962185184	10	10	45.9386645759	-46.8129936167
47.1138718992	0.5477018206	10	10	35.23630968	-38.561315242
44.5182816634	0.5967347945	10	10	29.7597842094	-31.3841118158
41.9058086963	0.6352708978	10	10	28.8677045422	-30.5574946656
39.2767986703	0.6598302894	10	10	28.5255062134	-30.2005167927
36.6317882146	0.6754472286	10	10	27.8161782293	-29.8878829479
33.9716171991	0.6928103565	10	10	27.4590055366	-29.5083062856
31.2973736016	0.7217182772	10	10	27.3508505036	-29.202930372
28.6268849446	1.1866546	10	10	27.1635441019	-29.0117471941
25.9290547001	1.2359992971	10	10	26.9047550837	-28.8885556803
23.2191637743	1.2901543688	10	10	26.6615871196	-28.8305585908
20.4978960249	1.3512095519	10	10	26.6003572088	-28.7947320043
17.7657286123	1.4185149015	10	10	26.549631846	-28.8052813873
10.618536969	-57.3471964783	10	10	26.5750597392	-28.898191884
3.9856929325	-57.5409182189	10	10	6.0253897508	-50.3301643473
2.3641202397	-53.8452672085	10	10	359.3040045621	-41.9110928444
0.5027264571	-53.434065102	10	10	357.8580547043	-41.1904021604
358.9111860208	-53.3990966738	10	10	357.3551131111	-40.7685482259
355.0695240238	-52.8939295362	10	10	356.9483777111	-40.3729275705
351.4598352255	-51.3778916131	10	10	355.8548921387	-40.450592947
349.4001131897	-50.0667085424	10	10	355.2689651258	-40.3410056061
348.083493511	-49.3005241002	10	10	354.672245875	-40.1732260271
345.3493394792	-49.0527985089	10	10	354.4004295929	-40.6434425525
344.1465042967	-48.0981964891	10	10	353.7422492189	-41.027388455
343.3597554979	-47.6623853708	10	10	352.5465716926	-41.1999123572
342.451178831	-47.5601126407	10	10	341.812103397	1.722672067
341.6043679159	-47.3967154533	10	10	303.4491291945	39.4135846781

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340.9818515149	-47.5585840061	10	10	301.8972261517	32.8881319285
340.4064676774	-48.131824271	10	10	301.4716045459	30.1227570631
340.5074909656	-49.9459950712	10	10	300.6799584291	28.3606721341
338.7153622983	-55.0419558653	10	10	299.9973549204	27.1767185939
333.2203945019	-57.592760111	10	10	299.0840006111	26.1532378315
321.1439268165	1.8387022443	10	10	298.2082975846	25.1834449407
318.2338374068	1.7629143905	10	10	297.5345419336	24.3144489762
315.3441881513	1.4060387695	10	10	296.8624328764	23.6311501204
303.6649536134	60.7568259316	10	10	295.9528792506	22.9168371362
301.6302372496	60.0224000736	10	10	294.9422403329	22.2947722398
299.9965196818	59.8208377917	10	10	293.8818828075	21.801514301
298.4843310144	59.0891347683	10	10	292.8488152963	21.3709715416
297.137258636	58.9667292568	10	10	291.7936822948	21.0273617592
295.9671053486	58.8926745764	10	10	290.8764021205	20.7473088945
294.8270582597	58.9083873354	10	10	289.7899063356	20.4964639512
293.4448357152	59.0264573096	10	10	288.6875628764	20.336926112
291.8982432724	59.1308949407	10	10	287.7362676859	20.3282993524
290.3309192061	59.7274002525	10	10	286.7577861584	20.3552720974
288.8047242085	59.8495271663	10	10	285.5115986235	20.6041447936
287.1438596549	60.1143385521	10	10	284.2063133119	21.0833382593
285.2368624917	60.9152668521	10	10	282.762304906	21.6479094305
282.9662635116	61.8832192351	10	10	281.1251910665	22.2855643689
279.8927051592	62.5172338026	10	10	279.6041638185	23.0522277996
277.1310610361	63.5341763004	10	10	277.971641935	24.0721145458
273.8203941857	64.144702542	10	10	275.5844406301	25.4807329642
269.7458939222	64.9552592803	10	10	273.1854391785	26.5835457659
265.1254830616	65.5103158474	10	10	270.8704872517	27.4914999136
260.5878693917	65.7292936069	10	10	269.3583044259	28.5382319353
252.184952543	1.3224609486	10	10	267.8037572527	29.6930080494
249.1480165631	1.6333177118	10	10	266.9919222233	34.6296291802
246.092050866	1.6283692318	10	10	262.2389459181	37.283902278
243.0439987937	2.0745111279	10	10	258.9237723891	37.8793355207
239.9767463097	2.1033608021	10	10	256.8014001641	38.1203763011
236.9046294572	2.1331874011	10	10	256.2662012499	39.2252113373
233.8283383694	2.164978215	10	10	256.0899416266	42.1638134941
230.7484602426	2.1987747458	10	10	251.9605144872	48.4480094772
227.6654102352	2.2331803994	10	10	245.5763900975	51.1019189998

