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4. CATALOG MATERIALS.

1. Introduction:

The documentation for this data set was originally on paper kept in NSSDC's Data Set Catalogs (DSCs). The offline tape datasets have now been migrated from the original magnetic tape to magnetic disk (starting in mid-2004). Accordingly, statements in the format descriptions that address such tape relevant factors as blocking and bit density are no longer applicable. The paper documentation in the DSCs have been scanned and made into digital images of the pages, then collected into a single PDF file for each Data Set Catalog.

The inventory information in these DSCs is current as of July 1, 2004. But this inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system, and the user should go to that interface (JIN) if further information is desired on possible later changes to the inventory information. The information existing in the DSCs is now not needed for locating data files, but we did not go to the trouble of removing that inventory information.

2. CHANGE LOG

Version	Date	Person	Page	Description of Change
01	10/19/2004	J. Manuel	1-6 and 8	Added to document

3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:
[NOTE: ANY OF THE INFORMATION FIELDS MIGHT BE BLANK.]
[THE "MATERIALS FOR DISTRIBUTION" FIELD IS HERE CALLED JUST "MATERIALS"]

"Remarks" for spacecraft SCNAME1":
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A--remark--

"Materials" for spacecraft SCNAME1":
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A--mat--

"Remarks" for SCNAME1 experiment EXNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102A&ex=09--remark--

"Materials" for SCNAME experiment EXNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1977-102&ex=09--mat--

"Remarks" for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--remark--

"Materials" for EXNAME1 data set DSNAME1:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--mat--

"Remarks" for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa,gov/database/MasterCatalog?ds=SPHE-00677--remark--

"Materials" for EXNAME1 data set DSNAME2:
http://nssdc.gsfc.nasa.gov/database/MasterCatalog?ds=SPHE-00677--mat--

"Remarks" for EXNAME1 data set DSNAME3:

"Materials" for EXNAME1 data set DSNAME3:

"Remarks" for SCNAME1 experiment EXNAME2:

"Materials" for SCNAME1 experiment EXNAME2:

"Remarks" for EXNAME2 data set DSNAME1:
"Materials" for EXNAME2 data set DSNAME1:

"Remarks" for EXNAME2 data set DSNAME2:
"Materials" for EXNAME2 data set DSNAME2:

DATA SET CATALOG #32

1964-83C Rubidium Vapor Magnetometer

64-083C-01A 1 tape

1964-083C

RUBIDUM VAPOR MAG. DATA, TAPE

64-083C-01A

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 7-TRACK, 556 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE WRITTEN IN ASCII. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE TIME SPANS ON THE ORIGINAL TAPE WAS NOT IN TIME CONSECUTIVE ORDER, AND THE DR/DS TAPES ARE THE SAME WAY. THE ORIGINAL TAPE WAS CREATED ON A 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004385	DS004385	D000242	1	12/17/64 - 06/30/65

Data Set Catalog

Satellite 1964 83C
Rubidium Vapor Magnetometer

This data set consists of a single magnetic tape (D 00242). These data are for integer latitudes and represent either direct measurements at these latitudes or points linearly interpolated to these latitudes using consecutive measurements separated by latitudinal arcs of length 4.8km. It is estimated that the error in each field value is ± 18 gammas. The satellite position is given in earth-fixed spherical geocentric coordinates.

We received this tape on September 20, 1967 from Messers Favin and Zmuda at the Applied Physics Laboratory at the Johns Hopkins University.

The tape is recorded at 556 BPI in BCD. There are 1333 records at 80 characters/record and 1 file.

In the printout reading from left to right the following data will be listed:

1. Universal time in seconds;
2. Universal time in hours, minutes and seconds:
3. Year-day number specifications;
4. Latitude in degrees with +for north and - for south;
5. East longitude in degrees;
6. Radial distance in kilometers; and
7. Geomagnetic scalar intensities in gauss.

The data are sorted by latitude.

SATELLITE 1964 83C MAGNETIC DATA APL/JHU

38836.05	10	47	16.05	65139	-63.000	285.193	7414.068	0.2828
43075.74	11	57	55.74	65121	-63.000	285.256	7417.551	0.2820
38018.42	10	46	56.42	65139	-62.000	285.265	7413.854	0.2788
35862.67	9	57	42.67	65138	-62.000	298.604	7413.242	0.2654
40573.59	11	16	13.59	65118	-62.000	298.661	7421.682	0.2645
39143.00	10	52	23.00	65124	-61.000	298.717	7416.154	0.2609
38763.17	10	46	23.17	65139	-60.000	285.409	7413.444	0.2710
34526.81	9	35	26.81	65157	-59.000	285.420	7429.921	0.2655
36752.01	10	12	32.01	65134	-59.000	298.839	7411.182	0.2528
34509.10	9	35	9.10	65157	-58.000	285.492	7429.338	0.2617
40031.58	11	7	11.58	65120	-58.000	298.957	7419.546	0.2480
42969.85	11	56	9.85	65121	-57.000	285.690	7419.006	0.2587
33418.99	9	16	58.99	65148	-57.000	298.937	7417.290	0.2444
29521.32	8	12	1.32	65151	-57.000	312.256	7421.201	0.2347
38241.46	10	37	21.46	65141	-56.000	285.699	7412.106	0.2556
35756.94	9	55	56.94	65138	-56.000	299.037	7412.218	0.2408
32330.12	8	58	50.12	65139	-56.000	312.366	7412.669	0.2318
35868.56	9	57	48.56	65151	-55.000	285.734	7420.359	0.2517
33383.71	9	16	23.71	65148	-55.000	299.082	7416.436	0.2366
32312.50	8	58	32.50	65139	-55.000	312.438	7412.503	0.2280
34430.32	9	33	58.32	65157	-54.000	285.784	7427.029	0.2466
36663.94	10	11	3.94	65134	-54.000	299.201	7410.840	0.2332
32294.88	8	58	14.88	65139	-54.000	312.511	7412.344	0.2244
35833.25	9	57	13.25	65151	-53.000	285.879	7419.433	0.2431
35704.09	9	55	4.09	65138	-53.000	299.255	7411.801	0.2291
32277.26	8	57	57.26	65139	-53.000	312.583	7412.192	0.2201
38170.99	10	36	10.99	65141	-52.000	285.990	7411.140	0.2407
36628.72	10	10	28.72	65134	-52.000	299.346	7410.755	0.2255
32259.64	8	57	39.64	65139	-52.000	312.656	7412.047	0.2171
42863.92	11	54	23.92	65121	-51.000	286.127	7420.640	0.2365
33313.17	9	15	13.17	65148	-51.000	299.373	7414.796	0.2211
32242.03	8	57	22.03	65139	-51.000	312.729	7411.909	0.2133
42846.26	11	54	6.26	65121	-50.000	286.206	7420.929	0.2323
33295.54	9	14	55.54	65148	-50.000	299.446	7414.402	0.2188
31753.22	8	49	13.22	65141	-50.000	312.802	7410.655	0.2100
24558.38	6	49	18.38	65158	-50.000	326.071	7426.207	0.2077
33879.21	9	24	39.21	65159	-49.000	286.139	7427.465	0.2288
39872.64	11	4	32.64	65120	-49.000	299.613	7422.142	0.2148
30322.18	8	25	22.18	65147	-49.000	312.857	7412.887	0.2077
24540.70	6	49	0.70	65158	-49.000	326.144	7425.640	0.2044
38571.73	10	42	51.73	65139	-48.000	286.280	7411.563	0.2266
39854.97	11	4	14.97	65120	-48.000	299.686	7422.452	0.2100
30304.56	8	25	4.56	65147	-48.000	312.930	7412.526	0.2044
24523.02	6	48	43.02	65158	-48.000	326.218	7425.075	0.2011
33843.83	9	24	3.83	65159	-47.000	286.285	7426.321	0.2211
39837.30	11	3	57.30	65120	-47.000	299.759	7422.766	0.2077
31700.39	8	48	20.39	65141	-47.000	313.020	7410.057	0.2011
24505.34	6	48	25.34	65158	-47.000	326.291	7424.514	0.1955
39819.63	11	3	39.63	65120	-46.000	299.832	7423.084	0.2044
31682.78	8	48	2.78	65141	-46.000	313.093	7409.873	0.1955
24487.66	6	48	7.66	65158	-46.000	326.364	7423.957	0.1900
37235.12	10	20	35.12	65158	-45.000	273.103	7423.639	0.2311
33808.46	9	23	28.46	65159	-45.000	286.432	7425.188	0.2111
39801.96	11	3	21.96	65120	-45.000	299.905	7423.405	0.2011
31665.17	8	47	45.17	65141	-45.000	313.166	7409.697	0.1911
37217.45	10	20	17.45	65158	-44.000	273.176	7423.087	0.2311
33790.76	9	23	10.76	65159	-44.000	286.505	7424.627	0.2111
39784.29	11	3	4.29	65120	-44.000	299.978	7423.730	0.1911
27408.22	7	36	48.22	65159	-44.000	313.172	7424.507	0.1911
37199.78	10	19	59.78	65158	-43.000	273.249	7422.538	0.2211
42722.60	11	52	2.60	65121	-43.000	286.712	7423.067	0.2011

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414.068	0.28280
417.551	0.28207
413.854	0.27885
413.242	0.26546
421.682	0.26455
416.154	0.26091
413.444	0.27106
429.921	0.26552
411.182	0.25289
429.338	0.26172
419.546	0.24800
419.006	0.25877
417.290	0.24441
421.201	0.23477
412.106	0.25563
412.218	0.24082
412.669	0.23184
420.359	0.25110
416.436	0.23665
412.503	0.22809
427.029	0.24665
410.840	0.23330
412.344	0.22441
419.433	0.24367
411.801	0.22946
412.192	0.22079
411.140	0.24061
410.755	0.22585
412.047	0.21737
420.640	0.23608
414.796	0.22192
411.909	0.21397
420.929	0.23250
414.402	0.21841
410.655	0.21057
426.207	0.20746
427.465	0.22855
422.142	0.21431
412.887	0.20730
425.640	0.20466
411.563	0.22634
422.452	0.21099
412.526	0.20424
425.075	0.20196
426.321	0.22193
422.766	0.20773
410.057	0.20143
424.514	0.19939
423.084	0.20462
409.873	0.19857
423.957	0.19692
423.639	0.23545
425.188	0.21562
423.405	0.20159
409.597	0.19583
423.087	0.23234
424.627	0.21260
423.730	0.19866
424.507	0.19226
422.538	0.22929
423.067	0.20955

38825.35	10	47	5.35	65124	-43.000	300.027	7420.435	0.19612
27390.54	7	36	30.54	65159	-43.000	313.245	7423.949	0.18976
37182.11	10	19	42.11	6515[illegible]	-42.000	273.322	7421.994	0.22633
33755.43	9	22	35.43	65159	-42.000	286.651	7423.813	0.20683
32212.39	8	56	52.39	65152	-42.000	300.010	7415.850	0.19378
27372.87	7	36	12.87	65159	-42.000	313.318	7423.395	0.18737
37164.45	10	19	24.45	65158	-41.000	273.396	7421.454	0.22343
37977.30	10	32	57.30	65141	-41.000	286.791	7409.101	0.20502
36434.99	10	7	14.99	65134	-41.000	300.147	7410.822	0.19146
27355.20	7	35	55.20	65159	-41.000	313.392	7422.845	0.18509
37146.78	10	19	6.78	65158	-40.000	273.469	7420.918	0.22016
34661.85	9	37	41.85	65155	-40.000	286.816	7416.438	0.20181
35475.11	9	51	15.11	65138	-40.000	300.201	7410.746	0.18906
27337.53	7	35	37.53	65159	-40.000	313.465	7422.298	0.[illegible]292
37128.97	10	18	48.97	65158	-39.000	273.542	7420.387	0.21782
34644.21	9	37	24.21	65155	-39.000	286.899	7415.952	0.19925
33101.72	9	11	41.72	65148	-39.000	300.248	7410.510	0.18658
27319.86	7	35	19.86	65159	-39.000	313.538	7421.756	0.18085
30828.26	8	33	48.26	65117	-39.000	340.349	7431.245	0.18789
27872.20	7	44	32.20	65116	-39.000	353.688	7432.455	0.19551
37924.49	10	32	4.49	65141	-38.000	287.010	7408.710	0.197[illegible]6
33064.11	9	11	24.11	65148	-38.000	300.321	7410.200	0.18436
27302.20	7	35	2.20	65159	-38.000	313.611	7421.218	0.17889
30810.55	8	33	30.55	65117	-38.000	340.422	7431.641	0.18652
27854.48	7	44	14.48	65116	-38.000	353.762	7432.853	0.19438
33667.10	9	21	7.10	65159	-37.000	287.017	7420.797	0.19417
33066.50	9	11	6.50	65148	-37.000	300.394	7409.897	0.18225
27264.54	7	34	44.54	65159	-37.000	313.684	7420.684	0.17705
30792.84	8	33	12.84	65117	-37.000	340.496	7432.038	0.18522
27836.77	7	43	56.77	65116	-37.000	353.835	7433.253	0.19332
37547.10	10	25	47.10	65156	-36.000	273.770	7415.946	0.21000
34591.31	9	36	31.31	65155	-36.000	287.108	7414.531	0.19218
33048.90	9	10	48.90	65148	-36.000	300.467	7409.602	0.18028
27266.88	7	34	26.88	65159	-36.000	313.758	7420.155	0.17532
23840.18	6	37	20.18	65160	-36.000	327.087	7421.634	0.17760
25595.26	7	6	35.26	65139	-36.000	340.480	7410.707	0.18534
27819.05	7	43	39.05	65116	-36.000	353.909	7433.654	0.19235
37058.51	10	17	38.51	65158	-35.000	273.835	7418.309	0.20736
37529.46	10	25	29.46	65156	-35.000	273.844	7415.466	0.20786
36458.17	10	7	38.17	65147	-35.000	287.211	7408.556	0.19039
33031.29	9	10	31.29	65148	-35.000	300.540	7409.315	0.17842
27249.23	7	34	9.23	65159	-35.000	313.831	7419.630	0.17368
23822.52	6	37	2.52	65160	-35.000	327.160	7421.096	0.[illegible]7642
25577.65	7	6	17.65	65139	-35.000	340.562	7410.688	0.18419
27801.32	7	43	21.32	65116	-35.000	353.982	7434.055	0.19145
34556.06	9	35	56.06	65155	-34.000	287.254	7413.615	0.18805
40078.33	11	7	58.33	65118	-34.000	300.710	7431.933	0.17527
27231.58	7	33	51.58	65159	-34.000	313.904	7419.110	0.17217
23804.86	6	36	44.86	65160	-34.000	327.233	7420.554	0.17512
25088.81	6	58	8.81	65141	-34.000	340.636	7408.265	0.18318
27763.60	7	43	3.60	65116	-34.000	354.056	7434.456	0.19060
37023.22	10	17	3.22	65158	-33.000	273.981	7417.301	0.20296
37494.20	10	24	54.20	65156	-33.000	273.990	7414.525	0.20333
34538.44	9	35	38.43	65155	-33.000	287.328	7413.168	0.18616
32996.08	9	9	56.08	65148	-33.000	300.686	7408.765	0.17506
27213.93	7	33	33.92	65159	-33.000	313.977	7418.595	0.17077
23787.20	6	36	27.20	65160	-33.000	327.307	7420.035	0.17391
30721.97	8	32	1.97	65117	-33.000	340.790	7433.635	0.18057
27765.87	7	42	45.87	65116	-33.000	354.130	7434.858	0.18982
37005.58	10	16	45.58	65158	-32.000	274.055	7416.805	0.20103
37476.57	10	24	36.57	65156	-32.000	274.063	7414.064	0.20120
36405.37	10	6	45.37	65147	-32.000	287.430	7407.810	0.18472

32978.48	9	9	38.48	65148	-32.000	300.759	7408.501	0.17356
30022.82	8	20	22.82	65147	-32.000	314.097	7407.759	0.17009
23769.55	6	36	9.55	65160	-32.000	327.380	7419.512	0.17278
30704.25	8	31	44.25	65117	-32.000	340.864	7434.036	0.17971
27748.15	7	40	28.15	65116	-32.000	354.203	7435.259	0.18908
37458.94	10	24	18.94	65156	-31.000	274.136	7413.609	0.19918
42510.44	11	48	30.44	65121	-31.000	287.592	7427.142	0.18181
36258.85	10	4	18.85	65134	-31.000	300.877	7411.684	0.17202
29876.30	8	17	56.30	65134	-31.000	327.544	7411.690	0.17215
20325.18	5	38	45.18	65161	-31.000	340.702	7420.443	0.17952
27730.42	7	42	10.42	65116	-31.000	354.277	7435.651	0.18840
37441.32	10	24	1.32	65156	-30.000	274.209	7413.152	0.19726
33072.64	9	11	12.64	65161	-30.000	287.521	7420.141	0.18084
32943.28	9	9	3.28	65148	-30.000	300.905	7406.690	0.17092
29045.20	8	4	5.19	65151	-30.000	314.225	7410.383	0.16766
23734.25	6	35	34.25	65160	-30.000	327.526	7418.479	0.17077
20307.52	5	38	27.52	65161	-30.000	340.855	7419.916	0.17873
27712.68	7	41	52.68	65116	-30.000	354.351	7436.063	0.18778
37423.70	10	23	43.70	65156	-29.000	274.283	7412.721	0.19546
37766.09	10	29	26.09	65141	-29.000	287.667	7407.976	0.18019
32925.68	9	8	45.68	65148	-29.000	300.978	7407.761	0.16980
29970.04	8	19	30.03	65147	-29.000	314.316	7407.095	0.16677
26543.14	7	22	23.14	65148	-29.000	327.645	7407.711	0.17040
20289.87	5	38	9.87	65161	-29.000	340.929	7419.394	0.17798
27694.95	7	41	34.95	65116	-29.000	354.424	7436.465	0.18714
37748.49	10	29	8.49	65141	-28.000	287.740	7407.935	0.17887
32908.09	9	8	28.09	65148	-28.000	301.051	7407.531	0.16880
26525.54	7	22	5.54	65148	-28.000	327.718	7407.483	0.16958
20272.22	5	37	52.22	65161	-28.000	341.002	7418.876	0.17728
27677.22	7	41	17.22	65116	-28.000	354.498	7436.866	0.18657
33019.69	9	10	19.69	65161	-27.000	287.741	7418.582	0.17702
32890.49	9	8	10.49	65148	-27.000	301.124	7407.309	0.16791
29805.82	8	16	45.82	65134	-27.000	327.837	7412.236	0.16855
20254.37	5	37	34.37	65161	-27.000	341.075	7418.364	0.17662
27659.48	7	40	59.48	65116	-27.000	354.572	7437.267	0.18602
33002.04	9	10	2.04	65161	-26.000	287.815	7418.072	0.17603
32872.89	9	7	52.89	65148	-26.000	301.197	7407.096	0.16717
29788.21	8	16	28.21	65134	-26.000	327.910	7412.390	0.16783
24948.20	6	55	48.20	65141	-26.000	341.221	7407.872	0.17677
27641.74	7	40	41.74	65116	-26.000	354.645	7437.668	0.18548
61467.99	17	4	27.99	65067	-25.000	261.664	7459.247	0.19964
32984.39	9	9	44.39	65161	-25.000	287.888	7417.568	0.17519
40859.42	11	20	59.42	65114	-25.000	301.398	7440.225	0.16448
31313.15	8	41	53.14	65141	-25.000	314.627	7407.862	0.16372
29770.59	8	16	10.59	65134	-25.000	327.983	7412.551	0.16721
24930.60	6	55	30.60	65141	-25.000	341.296	7407.861	0.17619
27624.00	7	40	24.00	65116	-25.000	354.719	7438.067	0.18503
36393.51	10	6	33.51	65160	-24.000	274.632	7415.716	0.18792
46754.00	12	59	14.00	65116	-24.000	274.792	7438.206	0.18623
32966.75	9	9	26.75	65161	-24.000	287.961	7417.069	0.17449
38489.58	10	41	29.58	65124	-24.000	301.421	7426.531	0.16497
31295.55	8	41	35.55	65141	-24.000	314.700	7407.857	0.16317
29752.96	8	15	52.96	65134	-24.000	328.056	7412.719	0.16664
24913.00	6	55	13.00	65141	-24.000	341.367	7407.857	0.17565
27606.25	7	40	6.25	65116	-24.000	354.793	7438.466	0.18455
39331.67	10	55	31.67	65161	-23.000	261.368	7416.681	0.20117
61432.31	17	3	52.31	65067	-23.000	261.813	7458.107	0.19733
36375.88	10	6	15.88	65160	-23.000	274.705	7415.239	0.18689
32949.11	9	9	9.11	65161	-23.000	288.035	7416.576	0.17395
39883.38	11	4	43.38	65118	-23.000	301.520	7436.340	0.16394
31277.95	8	41	17.95	65141	-23.000	314.773	7407.861	0.16279
23139.68	6	25	39.68	65162	-23.000	328.035	7415.003	0.16602

39779.98	11	2	59.98	65049	-3.000	10.029	7419.050	0.19211
12378.11	3	26	18.11	65152	-3.000	22.862	7405.220	0.20122
4034.63	1	7	14.63	64363	-3.000	30.660	7430.237	0.20320
4976.19	1	22	56.19	64359	-3.000	30.664	7423.140	0.20372
6124.42	1	42	4.42	65165	-3.000	36.155	7409.201	0.20798
10705.38	2	58	25.38	65132	-3.000	49.604	7423.170	0.21467
39752.33	11	2	42.33	65049	-2.000	10.102	7418.455	0.19238
12360.53	3	26	0.53	65152	-2.000	22.935	7405.122	0.20133
4052.33	1	7	32.33	64363	-2.000	30.586	7430.615	0.20294
4953.86	1	23	13.86	64359	-2.000	30.591	7423.477	0.20348
33850.26	9	24	10.26	65047	-2.000	36.778	7415.033	0.20750
9275.42	2	34	35.42	65138	-2.000	49.650	7414.989	0.21540
12342.46	3	25	42.46	65152	-1.000	23.008	7405.034	0.20132
4070.04	1	7	50.04	64363	-1.000	30.512	7430.994	0.20276
5011.53	1	23	31.53	64359	-1.000	30.517	7423.819	0.20331
10329.99	2	52	9.99	65147	-1.000	36.363	7404.806	0.20797
9257.79	2	34	17.79	65138	-1.000	49.723	7415.235	0.21517
4087.75	1	8	7.75	64363	0.	30.438	7431.375	0.20266
5029.21	1	23	49.21	64359	0.	30.443	7424.164	0.20322
33344.46	9	15	44.46	65049	0.	36.916	7417.158	0.20727
3115.91	0	51	55.91	65164	0.	49.712	7406.700	0.21582
4105.46	1	8	25.46	64363	1.000	30.365	7431.757	0.20270
5046.88	1	24	6.88	64359	1.000	30.370	7424.512	0.20322
9222.52	2	33	42.52	65138	1.000	49.870	7415.745	0.21507
16529.32	4	35	29.32	65134	2.000	23.296	7419.457	0.20021
4123.17	1	8	43.17	64363	2.000	30.291	7432.140	0.20279
5064.56	1	24	24.56	64359	2.000	30.296	7424.854	0.20334
33308.72	9	15	8.72	65049	2.000	37.064	7416.008	0.20847
10617.00	2	56	57.00	65132	2.000	49.971	7424.874	0.21435
16511.67	4	35	11.67	65134	3.000	23.370	7419.789	0.20049
4140.89	1	9	0.89	64363	3.000	30.217	7432.524	0.20299
5082.24	1	24	42.24	64359	3.000	30.222	7425.219	0.20355
33291.55	9	14	51.55	65049	3.000	37.137	7415.443	0.20812
10598.88	2	56	38.88	65132	3.000	50.045	7425.225	0.21463
16494.01	4	34	54.01	65134	4.000	23.443	7420.126	0.20093
4158.60	1	9	18.60	64363	4.000	30.143	7432.909	0.20332
5099.92	1	24	59.92	64359	4.000	30.148	7425.576	0.20388
13873.51	3	51	13.51	65118	4.000	50.184	7446.995	0.21304
16476.11	4	34	36.11	65134	5.000	23.516	7420.467	0.20148
4176.32	1	9	36.32	64363	5.000	30.069	7433.294	0.20377
5117.61	1	25	17.61	64359	5.000	30.075	7425.937	0.20434
12445.56	3	27	25.56	65124	5.000	50.225	7437.783	0.21455
13855.73	3	50	55.73	65118	5.000	50.258	7447.341	0.21358
4194.04	1	9	54.04	64363	6.000	29.995	7433.680	0.20433
5135.29	1	25	35.29	64359	6.000	30.001	7426.301	0.20494
12427.82	3	27	7.82	65124	6.000	50.299	7438.165	0.21522
13837.94	3	50	37.94	65118	6.000	50.332	7447.683	0.21424
12410.07	3	26	50.07	65124	7.000	50.373	7438.549	0.21604
13820.15	3	50	20.15	65118	7.000	50.406	7448.022	0.21508
12392.00	3	26	32.00	65124	8.000	50.447	7438.930	0.21703
13802.36	3	50	2.36	65118	8.000	50.480	7448.357	0.21605
13784.57	3	49	44.57	65118	9.000	50.554	7448.687	0.21717
64232.18	17	50	32.18	65163	-14.000	155.355	7412.573	0.27807
64214.56	17	50	14.56	65163	-13.000	155.428	7412.079	0.27440
64745.20	17	59	5.20	64362	-12.000	137.987	7423.772	0.28017
64196.95	17	49	56.95	65163	-12.000	155.502	7411.594	0.27085
64762.87	17	59	22.87	64362	-11.000	137.914	7424.117	0.27622
64179.33	17	49	39.33	65163	-11.000	155.575	7411.115	0.26720
81374.58	22	36	14.57	65117	-10.000	129.150	7442.083	0.27473
64760.55	17	59	40.55	64362	-10.000	137.840	7424.465	0.27247
64161.27	17	49	21.27	65163	-10.000	155.648	7410.644	0.26320
81356.81	22	35	56.81	65117	-9.000	129.224	7442.467	0.27127

64758.23	17	59	58.23	64362	-9.000	137.766	7424.816	0.26884
81338.44	22	35	38.44	65117	-8.000	129.297	7442.849	0.26773
64815.91	18	0	15.91	64362	-8.000	137.692	7425.170	0.26551
67563.33	18	45	53.33	65162	-8.000	142.465	7408.504	0.26487
64833.59	18	0	33.59	64362	-7.000	137.619	7425.528	0.26219
67535.73	18	45	35.73	65162	-7.000	142.538	7408.078	0.26187
64851.27	18	0	51.27	64362	-6.000	137.545	7425.888	0.25893
64868.96	18	1	8.96	64362	-5.000	137.471	7426.252	0.25582
64886.65	18	1	26.64	64362	-4.000	137.397	7426.618	0.25282
64904.33	18	1	44.33	64362	-3.000	137.324	7426.987	0.25002
51703.99	14	21	43.98	64364	-1.000	190.505	7432.745	0.21432
51721.70	14	22	1.70	64364	0.	190.431	7433.131	0.21313
51739.42	14	22	19.42	64364	1.000	190.357	7433.517	0.21215
51757.14	14	22	37.14	64364	2.000	190.283	7433.903	0.21135
51774.87	14	22	54.87	64364	3.000	190.209	7434.291	0.21068
51792.59	14	23	12.59	64364	4.000	190.136	7434.678	0.21022
51810.32	14	23	30.32	64364	5.000	190.062	7435.065	0.20990
51828.05	14	23	48.05	64364	6.000	189.988	7435.453	0.20976
51845.78	14	24	5.78	64364	7.000	189.914	7435.841	0.20982
51863.51	14	24	23.51	64364	8.000	189.840	7436.229	0.21000
50814.54	14	6	54.54	64357	36.000	201.122	7436.265	0.27202
76089.47	21	8	9.47	65068	37.000	199.578	7420.371	0.27526
50832.27	14	7	12.27	64357	37.000	201.049	7436.663	0.27474
76071.81	21	7	51.81	65068	38.000	199.652	7419.729	0.27850
50850.01	14	7	30.01	64357	38.000	200.975	7437.061	0.27773
76054.16	21	7	34.16	65068	39.000	199.725	7419.091	0.28179
76036.51	21	7	16.51	65068	40.000	199.799	7418.458	0.28548
53113.38	14	45	13.38	65179	41.000	185.990	7402.577	0.28220
76018.86	21	6	58.86	65068	41.000	199.872	7417.831	0.28951
53095.80	14	44	55.80	65179	42.000	186.063	7402.190	0.28543
76001.22	21	6	41.22	65068	42.000	199.946	7417.209	0.29282
53078.23	14	44	38.23	65179	43.000	186.136	7401.814	0.28920
75983.58	21	6	23.58	65068	43.000	200.019	7416.592	0.29625
53060.67	14	44	20.67	65179	44.000	186.208	7401.447	0.29262
75965.94	21	6	5.94	65068	44.000	200.092	7415.981	0.29962
57412.81	15	56	52.80	65174	45.000	172.963	7397.221	0.29485
53043.10	14	44	3.10	65179	45.000	186.281	7401.092	0.29581
75948.31	21	5	48.31	65068	45.000	200.166	7415.377	0.30277
53025.53	14	43	45.53	65179	46.000	186.354	7400.746	0.29927
75930.67	21	5	30.67	65068	46.000	200.239	7414.778	0.30618
55963.58	15	32	43.58	65180	47.000	173.090	7401.430	0.30124
57849.15	16	4	9.15	65172	47.000	173.114	7396.068	0.30178
53007.97	14	43	27.97	65179	47.000	186.426	7400.411	0.30268
75913.04	21	5	13.04	65068	47.000	200.312	7414.186	0.30935
55946.02	15	32	26.02	65180	48.000	173.162	7401.074	0.30466
57831.61	16	3	51.61	65172	48.000	173.187	7395.970	0.30515
52990.41	14	43	10.41	65179	48.000	186.499	7400.087	0.30631
55928.45	15	32	8.45	65180	49.000	173.235	7400.729	0.30793
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