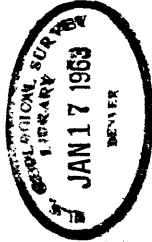


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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

*U.S. Geological Survey,
Report Open file series-674.*



TABULATION No. 9108

AS OF _____

TITLE

Gravity Reductions

"PRINCIPAL FACTS FOR GRAVITY STATIONS IN THE URAYAN AREA,

MESA, MONTROSE, AND SAN MIGUEL COUNTIES, COLORADO"

by

H. R. Joesting and J. E. Case

U. S. GEOLOGICAL SURVEY

Released to open files

124-22,1943

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Survey standards.

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EXPLANATION TO ACCOMPANY "PRINCIPAL FACTS FOR GRAVITY STATIONS IN THE
URAVAN AREA, MESA, MONTROSE, AND SAN MIGUEL COUNTIES, COLORADO"

by

H. R. Joesting and J. E. Case

Abbreviations of the headings of the accompanying tables of principal facts are explained in the following list:

EGNAR, COLO.	U. S. Coast and Geodetic Survey pendulum station to which gravity stations are referred (Duerksen, 1949).
GBV 979328.00	Observed gravity in milligals at Egnar pendulum station.
MSV	Meter scale value. Not used in these computations as observed gravity had been computed previously.
D1 2.67	Density 2.67 g per cm ³
D2 2.50	Density 2.50 g per cm ³
STA	Station number
LAT	North latitude in degrees, minutes, and hundredths of minutes
<u>LONG</u>	West longitude in degrees, minutes, and hundredths of minutes
E	Elevation in feet
MG/OG	Observed gravity in milligals minus 978,000 milligals.
TC	Terrain correction in milligals for density 2.67 g per cm ³ .
OG	Observed gravity in milligals minus 978,000 milligals.
FTH	Theoretical gravity in milligals minus 978,000 milligals.
FAA	Free air anomaly in milligals
BA1	Simple Bouguer anomaly in milligals for assumed density 2.67 g per cm ³ .
BA2	Simple Bouguer anomaly in milligals for assumed density 2.50 g per cm ³ .
CC	Curvature correction in milligals

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COL	PLAT	URAVAN	LONG	COL	F	62	FGNAR	COL	TC	OG	MSV	FAA	DI	RA2	DI	RA2	DI	RA2
170	38	24.20	108	40.50	5902.0	1452.70	1452.70	1452.70	1.7	1452.70	2039.43	31.50	232.57	219.77	232.57	219.77	232.57	219.77
171	38	24.20	108	39.90	6175.0	1435.20	1435.20	1435.20	1.6	1435.20	2040.45	24.34	234.72	221.32	234.72	221.32	234.72	221.32
172	38	25.60	108	38.20	6493.0	1420.10	1420.10	1420.10	1.2	1420.10	2041.48	10.55	231.76	217.67	231.76	217.67	231.76	217.67
173	38	26.30	108	38.10	6630.0	1410.00	1410.00	1410.00	0.9	1410.00	2042.50	8.78	234.66	220.28	234.66	220.28	234.66	220.28
174	38	26.90	108	38.80	6168.0	1435.60	1435.60	1435.60	0.5	1435.60	2040.45	24.60	234.74	221.36	234.74	221.36	234.74	221.36
175	38	23.60	108	39.70	5880.0	1452.40	1452.40	1452.40	0.1	1452.40	2038.55	32.99	233.31	220.56	233.31	220.56	233.31	220.56
176	38	24.00	108	37.70	6076.0	1439.00	1439.00	1439.00	0.6	1439.00	2039.14	28.53	235.54	222.36	235.54	222.36	235.54	222.36
177	38	21.50	108	37.70	5452.0	1471.60	1471.60	1471.60	1.7	1471.60	2035.48	50.98	236.72	224.90	236.72	224.90	236.72	224.90
180	38	19.60	108	37.90	5559.0	1464.30	1464.30	1464.30	0.1	1464.30	2032.70	45.43	234.82	222.77	234.82	222.77	234.82	222.77
181	38	12.40	108	38.90	5674.0	1450.50	1450.50	1450.50	0.1	1450.50	2032.41	40.12	233.43	221.12	233.43	221.12	233.43	221.12
182	38	19.70	108	39.70	5818.0	1450.90	1450.90	1450.90	0.2	1450.90	2032.85	34.61	232.83	220.21	232.83	220.21	232.83	220.21
183	38	12.80	108	40.90	5895.0	1447.00	1447.00	1447.00	0.5	1447.00	2032.99	31.42	232.25	219.47	232.25	219.47	232.25	219.47
186	38	20.30	108	38.80	5743.0	1455.40	1455.40	1455.40	0.0	1455.40	2033.72	38.05	233.71	221.25	233.71	221.25	233.71	221.25
187	38	22.80	108	37.90	5710.0	1456.80	1456.80	1456.80	0.0	1456.80	2034.46	40.48	235.02	222.63	235.02	222.63	235.02	222.63
189	38	14.30	108	41.70	5898.0	1443.20	1443.20	1443.20	2.0	1443.20	2030.80	32.74	233.68	220.89	233.68	220.89	233.68	220.89
189	38	17.50	108	41.50	5850.0	1442.40	1442.40	1442.40	1.6	1442.40	2029.63	35.95	235.59	222.88	235.59	222.88	235.59	222.88
190	38	15.60	108	43.00	5540.0	1437.60	1437.60	1437.60	1.2	1437.60	2026.85	68.07	256.82	244.80	256.82	244.80	256.82	244.80
191	38	15.20	108	43.60	5500.0	1433.80	1433.80	1433.80	0.7	1433.80	2026.27	75.05	262.43	250.50	262.43	250.50	262.43	250.50
192	38	14.30	108	45.40	5646.0	1432.10	1432.10	1432.10	3.1	1432.10	2024.95	61.70	254.05	241.81	254.05	241.81	254.05	241.81
193	38	14.70	108	45.00	5540.0	1423.70	1423.70	1423.70	1.5	1423.70	2025.54	70.66	259.40	247.38	259.40	247.38	259.40	247.38
194	38	15.70	108	45.60	5436.0	1442.20	1442.20	1442.20	0.7	1442.20	2027.00	73.59	258.72	246.93	258.72	246.93	258.72	246.93
195	38	16.10	108	46.50	5417.0	1446.10	1446.10	1446.10	0.9	1446.10	2027.58	71.87	256.43	244.68	256.43	244.68	256.43	244.68
196	38	16.60	108	47.60	5402.0	1448.60	1448.60	1448.60	1.1	1448.60	2028.31	70.86	255.14	243.41	255.14	243.41	255.14	243.41
197	38	16.80	108	48.40	5210.0	1462.70	1462.70	1462.70	1.6	1462.70	2028.61	75.77	253.27	241.97	253.27	241.97	253.27	241.97
198	38	17.50	108	49.40	5135.0	1468.50	1468.50	1468.50	2.2	1468.50	2029.63	78.05	253.00	241.86	253.00	241.86	253.00	241.86
199	38	18.20	108	50.80	5051.0	1475.70	1475.70	1475.70	2.2	1475.70	2030.65	79.78	251.86	240.90	251.86	240.90	251.86	240.90
200	38	18.50	108	50.00	5118.0	1467.70	1467.70	1467.70	1.2	1467.70	2031.09	81.91	256.28	245.18	256.28	245.18	256.28	245.18
201	38	19.00	108	49.30	5248.0	1469.20	1469.20	1469.20	1.5	1469.20	2030.36	76.45	259.25	243.86	259.25	243.86	259.25	243.86
202	38	18.40	108	48.30	5438.0	1451.20	1451.20	1451.20	2.2	1451.20	2030.94	68.16	253.43	241.63	253.43	241.63	253.43	241.63
203	38	19.50	108	54.10	5090.0	1480.60	1480.60	1480.60	1.5	1480.60	2032.55	73.11	246.52	235.48	246.52	235.48	246.52	235.48
204	38	19.90	108	54.20	5106.0	1481.20	1481.20	1481.20	1.1	1481.20	2033.14	71.59	245.55	234.47	245.55	234.47	245.55	234.47
205	38	20.40	108	56.00	5153.0	1481.60	1481.60	1481.60	1.6	1481.60	2033.87	67.50	243.06	231.89	243.06	231.89	243.06	231.89
206	38	21.20	108	56.90	5193.0	1479.20	1479.20	1479.20	0.9	1479.20	2035.04	67.31	244.23	232.96	244.23	232.96	244.23	232.96
207	38	24.70	108	58.20	6364.0	1418.20	1418.20	1418.20	4.5	1418.20	2040.16	23.27	240.08	226.28	240.08	226.28	240.08	226.28
208	38	25.60	108	58.10	7442.0	1361.00	1361.00	1361.00	3.7	1361.00	2041.48	19.63	233.91	217.77	233.91	217.77	233.91	217.77
209	38	26.20	108	58.80	7591.0	1354.00	1354.00	1354.00	4.6	1354.00	2042.36	25.77	232.85	216.38	232.85	216.38	232.85	216.38
210	38	25.80	108	57.00	7291.0	1371.50	1371.50	1371.50	4.5	1371.50	2041.77	15.63	232.77	216.95	232.77	216.95	232.77	216.95
211	38	26.20	108	57.60	7248.0	1370.90	1370.90	1370.90	4.9	1370.90	2040.45	11.40	235.53	212.81	235.53	212.81	235.53	212.81
212	38	24.50	108	55.40	7093.0	1285.60	1285.60	1285.60	4.4	1285.60	2039.87	4.91	233.88	218.68	233.88	218.68	233.88	218.68
213	38	25.00	108	54.00	6314.0	1309.40	1309.40	1309.40	4.1	1309.40	2040.60	1.17	233.37	218.54	233.37	218.54	233.37	218.54
214	38	24.00	108	54.60	7053.0	1340.30	1340.30	1340.30	5.1	1340.30	2039.14	4.68	235.61	220.31	235.61	220.31	235.61	220.31
215	38	23.60	108	53.50	6890.0	1392.50	1392.50	1392.50	3.3	1392.50	2038.55	2.13	232.61	217.66	232.61	217.66	232.61	217.66
216	38	24.00	108	52.60	6642.0	1410.10	1410.10	1410.10	2.7	1410.10	2039.10	4.19	230.47	216.07	230.47	216.07	230.47	216.07
217	38	24.20	108	52.00	6385.0	1424.20	1424.20	1424.20	1.6	1424.20	2032.43	14.46	232.03	218.18	232.03	218.18	232.03	218.18
218	38	24.60	108	50.60	5811.0	1467.20	1467.20	1467.20	1.2	1467.20	2040.01	31.14	229.12	216.51	229.12	216.51	229.12	216.51

STA	LAT	LONG	COLC 62	FGMR COLO	IC	GRV	979326.00	MSV	99999	D1 2.67	D2 2.59	DATATRON
319	38 31.00	108 47.20	5574.0	1474.10	2.6	1474.10	2042.38	50.91	240.81	228.72	1.6	
320	38 32.00	108 46.80	5765.0	1463.30	2.0	1463.30	2050.85	45.21	241.62	229.11	1.6	
321	38 33.00	108 45.90	6028.0	1448.20	2.0	1448.90	2052.31	36.33	241.70	228.62	1.7	
322	38 31.60	108 45.40	6055.0	1447.20	7.6	1447.80	2050.26	32.84	239.13	225.99	1.7	
323	38 33.50	108 47.30	6137.0	1444.60	1.0	1444.60	2053.05	31.11	240.19	226.88	1.7	
324	38 32.80	108 48.70	5400.0	1436.10	2.1	1406.10	2052.02	57.92	241.89	230.18	1.6	
325	38 32.20	108 50.00	5214.0	1438.20	2.1	1438.20	2051.14	63.44	240.07	228.76	1.6	
326	38 31.60	108 50.20	5135.0	1404.20	3.0	1504.20	2050.26	62.99	237.93	226.79	1.6	
327	38 32.70	108 47.10	6240.0	1426.70	1.1	1436.70	2051.88	28.15	240.74	227.20	1.7	
328	38 31.70	108 48.10	6042.0	1444.10	3	1448.10	2050.41	33.81	239.69	226.59	1.7	
329	38 31.10	108 49.50	5972.0	1453.50	2	1453.50	2049.53	34.21	237.68	224.72	1.7	
330	38 31.10	108 50.50	6124.0	1444.30	1.1	1444.30	2049.53	29.11	237.75	224.47	1.7	
331	38 22.00	108 42.60	5925.0	1456.70	3	1456.70	2047.92	33.82	235.68	222.83	1.7	
332	38 29.50	108 50.50	6122.0	1445.20	6	1465.20	2047.19	26.06	234.63	221.35	1.7	
333	38 27.10	108 50.20	5924.0	1450.30	6	1450.32	2043.67	26.66	231.90	218.83	1.7	
334	38 27.20	108 49.20	5972.0	1459.20	6	1459.20	2043.82	32.21	232.26	219.53	1.7	
335	38 23.80	108 44.90	5090.0	1405.40	3	1505.40	2038.84	54.60	228.01	216.97	1.5	
336	38 24.40	108 43.70	5295.0	1422.40	1.6	1422.40	2039.72	49.19	229.59	218.10	1.6	
337	38 24.00	108 42.30	5545.0	1415.70	1.5	1475.70	2039.14	41.79	230.70	218.67	1.6	
338	38 24.20	108 42.50	5486.0	1416.90	1.5	1478.90	2040.45	46.02	232.72	220.83	1.6	
339	38 25.50	108 42.80	5620.0	1472.80	1.4	1472.80	2041.33	39.83	231.30	219.11	1.6	
340	38 25.60	108 42.10	5780.0	1461.20	1.1	1461.20	2041.48	36.52	233.44	220.90	1.6	
341	38 24.60	108 46.70	5840.0	1462.60	3	1462.60	2040.01	28.61	227.58	214.91	1.7	
342	38 26.00	108 44.00	5918.0	1455.60	3	1455.60	2042.06	29.73	231.35	218.51	1.7	
343	38 27.50	108 42.50	6475.0	1432.30	1.0	1432.30	2044.26	12.82	233.42	219.37	1.7	
344	38 37.70	108 41.00	6690.0	1400.20	1.8	1409.20	2059.20	20.64	248.56	234.05	1.7	
345	38 28.20	108 41.40	6817.0	1400.30	2.6	1400.30	2045.28	3.67	235.92	221.14	1.7	
346	38 26.80	108 43.40	6080.0	1446.80	3	1446.80	2043.23	25.46	232.60	219.41	1.7	
347	38 27.90	108 44.00	6024.0	1449.10	6	1449.10	2044.84	29.04	234.27	221.20	1.7	
348	38 29.40	108 43.20	6310.0	1432.20	6	1432.20	2047.04	21.23	236.20	222.52	1.7	
349	38 24.90	108 45.70	5840.0	1461.60	4	1461.60	2040.45	29.45	228.42	215.75	1.7	
350	38 24.10	108 47.00	6013.0	1451.30	7	1451.00	2039.28	22.61	227.47	214.42	1.7	
351	38 24.50	108 48.10	6081.0	1446.30	1.5	1446.30	2039.87	21.50	228.67	215.48	1.7	
352	38 25.10	108 47.70	5998.0	1459.10	3	1459.10	2040.75	26.79	227.73	214.94	1.7	
353	38 26.00	108 47.80	5890.0	1465.20	4	1465.20	2042.06	31.23	228.83	216.25	1.7	
354	38 25.50	108 47.10	5775.0	1466.90	3	1466.90	2041.33	31.15	227.90	215.37	1.6	
355	38 15.70	108 37.80	5295.0	1467.40	2	1467.40	2027.00	61.47	241.86	230.38	1.6	
356	38 27.10	108 47.30	5214.0	1407.80	1.9	1407.80	2043.67	55.36	242.00	271.69	1.6	
357	38 27.50	108 46.80	5300.0	1421.20	3.6	1421.20	2044.26	54.46	245.03	223.53	1.6	
358	38 28.10	108 46.20	5637.0	1426.60	3.6	1426.60	2045.14	51.05	236.28	224.49	1.6	
359	38 28.10	108 45.70	5632.0	1460.60	3.1	1462.60	2046.60	45.28	237.85	225.59	1.6	
361	38 14.20	108 44.00	5936.0	1406.50	1.3	1406.50	2024.81	50.87	262.11	249.23	1.7	
362	38 13.30	108 43.30	6178.0	1396.30	2.0	1396.30	2023.42	52.58	260.67	247.42	1.7	
363	38 14.80	108 47.80	6446.0	1400.10	1.3	1400.10	2025.68	19.17	238.78	224.80	1.7	
364	38 15.30	108 48.60	6280.0	1412.90	1.1	1412.90	2026.41	22.72	236.67	223.05	1.7	

STA	PLAT	URAVAN	LONG	COLO	F	62	FGMAR	COLO	IC	OG	979328.00	MSV	979328.00	FAA	BA1	BA2	D2 2.50	CC
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365	38	15.80	108 49.30	6152.0	1424.40	1.2	1424.40	2027.14	23.99	233.58	220.24	1.7
366	38	16.20	108 49.70	6255.0	1418.30	1.2	1418.30	2027.73	20.99	234.09	220.52	1.7
367	38	17.00	108 50.50	6172.0	1421.30	1.8	1421.30	2028.90	26.06	237.24	223.85	1.7
368	38	14.20	108 46.90	6662.0	1382.60	4.2	1382.60	2024.81	15.98	242.98	220.53	1.7
369	38	13.90	108 48.00	6350.0	1414.60	.7	1414.60	2024.37	12.39	228.73	214.95	1.7
370	38	12.70	108 49.30	6322.0	1422.20	.7	1422.20	2024.08	6.43	221.81	208.10	1.7
371	38	16.60	108 51.10	6643.0	1419.40	.3	1419.40	2025.10	.43	219.08	205.10	1.7
372	38	14.80	108 53.60	6497.0	1421.60	1.0	1421.60	2025.68	6.53	214.82	200.73	1.7
373	38	15.60	108 54.20	6490.0	1422.20	.0	1422.20	2026.85	5.90	215.21	201.13	1.7
374	38	14.70	108 52.70	6515.0	1418.20	.9	1418.20	2025.54	5.57	216.39	202.26	1.7
375	38	14.70	108 51.70	6460.0	1419.70	.6	1419.70	2025.54	1.89	218.19	204.18	1.7
376	38	13.70	108 44.80	6247.0	1376.50	2.2	1376.50	2024.08	39.88	252.71	239.16	1.7
378	38	11.50	108 37.70	5540.0	1426.00	2.6	1426.00	2020.86	72.83	261.88	249.85	1.6
379	38	16.60	108 46.20	5365.0	1428.80	1.3	1428.80	2028.31	74.80	257.58	245.94	1.6
380	38	21.00	108 52.20	5037.0	1478.90	1.2	1478.90	2034.75	81.99	253.60	242.67	1.5
381	38	13.30	108 52.10	6367.0	1422.60	2.0	1422.60	2023.49	1.91	218.83	205.02	1.7
382	38	12.80	108 53.00	6247.0	1429.90	1.3	1429.90	2022.76	5.17	218.00	204.45	1.7
383	38	11.80	108 52.50	6290.0	1424.60	1.9	1424.60	2021.30	5.90	219.86	206.24	1.7
384	38	11.40	108 51.60	6216.0	1423.80	1.3	1423.80	2020.71	12.14	223.91	210.43	1.7
385	38	11.20	108 50.20	6310.0	1418.60	1.6	1418.60	2021.45	9.22	224.20	210.52	1.7
386	38	12.50	108 48.00	6874.0	1380.60	1.1	1380.60	2022.32	4.36	229.84	214.92	1.7
387	38	11.40	108 48.30	6242.0	1418.10	1.1	1418.10	2020.71	15.39	228.05	214.51	1.7
388	38	12.00	108 47.20	6250.0	1416.10	.9	1416.10	2021.59	17.52	230.45	216.89	1.7
389	38	10.70	108 46.90	6238.0	1412.70	1.3	1412.70	2019.69	20.15	232.67	219.14	1.7
390	38	9.90	108 47.70	6089.0	1420.80	1.6	1420.80	2018.38	24.75	232.20	218.99	1.7
391	38	13.30	108 48.60	6143.0	1421.30	1.5	1421.30	2019.11	19.90	229.19	215.86	1.7
392	38	10.40	108 50.30	6235.0	1417.90	1.1	1417.90	2019.25	14.79	227.21	213.69	1.7
396	38	23.10	108 51.80	6550.0	1411.80	2.9	1411.80	2037.82	9.83	232.98	218.77	1.7
397	38	23.20	108 50.70	6140.0	1440.70	1.8	1440.70	2037.97	19.64	228.83	215.51	1.7
398	38	23.50	108 49.40	5920.0	1454.60	2.6	1454.60	2038.40	26.88	228.57	215.73	1.7
399	38	13.20	108 46.60	6208.0	1371.60	1.2	1371.60	2023.49	2.01	237.36	222.38	1.7
400	38	12.90	108 49.40	6890.0	1383.50	1.9	1383.50	2022.91	8.78	225.96	211.01	1.7
401	38	12.40	108 50.10	6300.0	1378.70	4.1	1378.70	2022.18	8.47	227.63	212.60	1.7
402	38	12.50	108 45.70	6238.0	1368.00	1.0	1368.00	2022.32	1.62	238.00	222.95	1.7
403	38	12.00	108 45.70	6935.0	1364.20	.0	1364.20	2021.59	4.97	241.24	226.20	1.7
404	38	10.50	108 44.70	6919.0	1365.50	.0	1365.50	2019.40	2.99	238.71	223.70	1.7
405	38	09.70	108 45.40	6885.0	1367.60	.0	1367.60	2018.23	2.72	237.20	222.35	1.7
406	38	02.20	108 46.30	6802.0	1368.40	.3	1368.40	2017.50	1.67	236.14	221.21	1.7
407	38	06.50	108 46.60	6862.0	1368.40	.0	1368.40	2016.48	2.53	236.31	221.43	1.7
408	38	07.20	108 46.40	6676.0	1376.30	.1	1376.30	2014.58	10.23	237.68	223.19	1.7
409	38	07.50	108 47.00	6781.0	1371.40	.2	1371.40	2015.02	5.69	236.71	222.00	1.7
410	38	07.70	108 47.50	6879.0	1365.40	.3	1365.40	2015.31	1.76	236.12	221.20	1.7
411	38	08.00	108 48.40	6949.0	1363.90	.0	1363.90	2015.75	1.88	234.66	219.79	1.7
412	38	08.70	108 47.00	6923.0	1368.10	.9	1368.10	2016.77	2.62	233.24	218.23	1.7
413	38	08.70	108 50.00	7080.0	1359.20	2.6	1359.20	2016.77	5.49	232.72	217.37	1.7

COLO PLAT URAVAN CONO 62 FGHAR COLO TC GRV 979328.00 MSV .99929 D1 2.67 D2 2.50 DATATRON
STA LAT LONG F FTH CC

414	38	08.80	108	51.10	6845.0	1374.30	1.8	1374.30	2016.92	1.33	231.87-	217.02-	1.7
415	38	08.70	108	51.00	6754.0	1376.10	5.1	1376.10	2016.77	5.28-	235.39-	220.74-	1.7
416	38	08.90	108	51.40	6215.0	1418.20	3.3	1418.20	2018.52	15.64-	227.38-	213.90-	1.7
417	38	21.30	108	58.20	5358.0	1477.20	.0	1477.20	2035.19	53.93-	236.47-	224.85-	1.6
418	38	21.20	108	58.00	5937.0	1449.80	1.6	1449.80	2035.04	26.71-	228.98-	216.10-	1.7
419	38	21.00	108	58.40	6219.0	1461.90	1.9	1461.90	2034.75	7.79-	219.67-	206.18-	1.7
420	38	20.00	108	59.00	5876.0	1468.30	2.2	1468.30	2033.28	12.50-	212.69-	199.94-	1.7
421	38	19.50	108	52.10	5627.0	1482.30	5.0	1482.30	2032.55	20.89-	212.60-	200.39-	1.6
422	38	19.20	108	57.90	5523.0	1485.20	6.0	1485.20	2032.11	27.34-	215.50-	203.52-	1.6
423	38	18.70	108	57.00	5352.0	1492.90	.0	1492.90	2031.38	34.99-	217.33-	205.72-	1.6
424	38	20.50	108	59.70	5695.0	1480.20	.0	1480.20	2034.02	18.06-	212.08-	199.73-	1.6
426	38	20.70	108	53.60	5051.0	1477.30	.4	1477.30	2034.31	81.83-	253.92-	242.96-	1.5
427	38	09.80	108	44.50	6409.0	1371.70	.0	1371.70	2019.38	6.49-	238.33-	223.57-	1.7
428	38	09.80	108	42.00	6833.0	1364.50	.0	1364.50	2018.30	10.76-	243.55-	220.73-	1.7
429	38	10.50	108	43.00	6850.0	1366.30	.2	1366.30	2019.40	8.68-	242.05-	227.20-	1.7
430	38	09.10	108	44.20	6684.0	1377.10	.0	1377.10	2017.36	11.45-	239.17-	224.67-	1.7
431	38	09.00	108	42.50	6694.0	1375.10	.0	1375.00	2017.21	13.41-	241.12-	226.63-	1.7
432	38	08.60	108	43.10	6535.0	1384.40	.0	1384.40	2016.63	17.44-	240.08-	225.91-	1.7
433	38	08.30	108	41.00	6496.0	1385.40	.0	1385.60	2016.19	19.56-	240.84-	226.75-	1.7
434	38	08.30	108	41.20	6575.0	1380.10	.0	1380.50	2016.19	17.14-	241.14-	226.88-	1.7
435	38	09.30	108	41.70	6775.0	1367.90	.0	1367.90	2017.65	12.38-	243.20-	228.51-	1.7
436	38	09.70	108	43.30	6796.0	1369.70	.0	1369.70	2018.23	9.29-	240.79-	226.05-	1.7
437	38	08.40	108	44.00	6639.0	1380.50	.0	1380.50	2016.33	14.09-	239.25-	224.91-	1.7
438	38	07.80	108	43.90	6521.0	1394.40	.0	1394.40	2015.46	16.05-	239.15-	224.99-	1.7
439	38	07.10	108	43.80	6491.0	1385.00	.0	1385.80	2014.44	17.99-	239.13-	225.05-	1.7
440	38	07.20	108	44.90	6625.0	1378.10	.0	1378.10	2014.58	13.23-	238.94-	224.57-	1.7
441	38	06.80	108	46.90	6365.0	1394.60	1.5	1394.60	2014.00	20.60-	237.45-	223.65-	1.7
442	38	06.60	108	48.10	6235.0	1401.30	1.0	1401.30	2013.71	25.84-	238.26-	224.74-	1.7
443	38	06.80	109	49.50	6611.0	1374.80	3.5	1374.80	2014.00	17.26-	242.49-	228.15-	1.7
444	38	07.70	108	50.50	6332.0	1397.80	1.4	1397.80	2015.31	17.12-	234.55-	220.70-	1.7
445	38	07.30	108	48.70	6750.0	1373.10	1.0	1373.10	2014.73	6.61-	236.58-	221.94-	1.7
446	38	06.90	109	43.90	6468.0	1387.50	.0	1387.50	2014.14	20.04-	239.72-	225.73-	1.7
447	38	06.30	108	42.20	6377.0	1391.20	.0	1391.20	2013.27	22.14-	239.40-	225.57-	1.7
448	38	06.10	108	41.20	6339.0	1394.20	.0	1394.20	2012.98	22.43-	238.39-	224.64-	1.7
449	38	05.70	108	40.60	6309.0	1397.30	.0	1397.30	2012.39	22.41-	237.05-	223.38-	1.7
450	38	04.90	108	40.10	6337.0	1394.40	.0	1394.40	2011.22	20.66-	236.56-	222.81-	1.7
451	38	05.30	108	40.00	6330.0	1398.10	.0	1398.10	2011.81	21.03-	235.66-	222.00-	1.7
452	38	05.20	108	38.00	6313.0	1393.40	.0	1393.40	2011.66	18.36-	233.44-	219.75-	1.7
453	38	05.30	108	37.00	6307.0	1401.50	.0	1401.50	2011.81	16.97-	231.94-	218.16-	1.7
454	38	05.80	108	39.60	6365.0	1396.40	.0	1396.40	2012.54	17.34-	234.19-	220.39-	1.7
455	38	06.40	108	40.70	6332.0	1396.40	.0	1396.40	2013.41	21.32-	237.05-	223.31-	1.7
456	38	06.80	108	38.90	6324.0	1398.20	.0	1398.20	2011.08	17.94-	233.40-	219.68-	1.7
457	38	06.30	108	38.00	6342.0	1396.70	.0	1396.70	2010.35	17.02-	233.09-	219.33-	1.7
458	38	04.10	108	40.40	6460.0	1383.80	.0	1383.80	2010.06	18.52-	238.61-	224.60-	1.7
459	38	03.70	108	39.00	6460.0	1384.70	.0	1384.70	2009.47	17.04-	237.13-	223.12-	1.7

460	38	03.90	108	38.80	6352.0	1395.80	.0	1395.90	2009.77	16.29-	232.70-	218.92-	1.7
461	38	03.50	108	38.40	6388.0	1393.80	.0	1393.80	2009.18	14.42-	232.06-	218.20-	1.7
462	38	03.80	108	37.60	6410.0	1394.70	.0	1394.70	2009.62	11.89-	230.27-	216.37-	1.7
463	38	01.40	108	38.10	6467.0	1378.30	.4	1378.30	2006.12	19.43-	239.75-	225.72-	1.7
464	38	01.50	108	37.80	6364.0	1379.80	.5	1379.50	2006.26	28.06-	244.88-	231.07-	1.7
465	38	02.10	108	40.00	6233.0	1386.60	.4	1386.60	2007.14	34.16-	246.52-	232.99-	1.7
466	38	02.30	108	42.00	6051.0	1396.10	.1	1396.10	2007.43	42.08-	248.23-	235.10-	1.7
467	38	01.10	108	42.70	5982.0	1412.40	.5	1412.40	2005.68	32.40-	235.52-	222.59-	1.7
468	38	00.70	108	42.30	5960.0	1409.10	.2	1409.10	2005.10	35.30-	238.35-	225.43-	1.7
469	38	00.10	108	42.00	5927.0	1416.50	.1	1416.50	2004.22	30.13-	232.06-	219.20-	1.7
470	38	01.20	108	43.80	5860.0	1421.40	.1	1421.40	2005.83	33.14-	232.79-	220.07-	1.7
471	38	01.30	108	44.70	5883.0	1421.60	.1	1421.60	2005.97	30.92-	231.35-	218.59-	1.7
472	38	21.00	108	55.20	5140.0	1475.80	.5	1475.80	2034.75	75.40-	250.52-	239.37-	1.6
473	38	21.90	108	53.40	5230.0	1474.80	1.5	1474.80	2036.06	69.25-	247.43-	236.09-	1.6
474	38	17.20	108	47.40	5494.0	1447.20	1.3	1447.20	2029.19	73.61-	257.72-	245.99-	1.6
475	38	15.70	108	46.70	5407.0	1447.20	1.1	1447.20	2027.00	71.13-	255.34-	243.61-	1.6
476	38	15.30	108	46.70	5458.0	1445.90	1.5	1445.90	2026.41	67.05-	253.00-	241.16-	1.6
477	38	16.60	108	45.50	5352.0	1450.10	1.4	1450.10	2028.31	74.72-	257.06-	245.45-	1.6
478	38	17.20	108	45.50	5611.0	1437.90	.4	1439.90	2029.19	62.37-	253.19-	241.04-	1.6
479	38	15.00	108	50.60	6420.0	1419.70	.5	1419.70	2025.97	2.31-	221.03-	207.11-	1.7
480	38	15.30	108	50.80	6445.0	1418.10	1.6	1418.10	2026.41	2.00-	221.57-	207.59-	1.7
481	38	15.80	108	51.70	6535.0	1412.70	.3	1412.70	2027.14	.34	222.30-	208.13-	1.7
482	38	13.00	108	47.40	6880.0	1378.60	1.0	1378.60	2023.05	2.79	231.61-	216.68-	1.7
483	38	11.30	108	44.80	6880.0	1363.20	.2	1368.20	2020.57	4.19-	238.92-	223.98-	1.7
484	38	11.40	108	42.30	7053.0	1345.30	.0	1345.30	2020.71	10.96-	251.59-	236.27-	1.7
485	38	12.20	108	38.10	5835.0	1423.10	.9	1420.10	2021.88	71.67-	263.65-	251.42-	1.6
486	38	13.40	108	39.40	5770.0	1413.70	.5	1413.70	2023.64	67.12-	263.70-	251.18-	1.6
487	38	14.00	108	43.40	5686.0	1412.30	1.2	1418.80	2024.51	69.86-	263.92-	251.56-	1.6
488	38	12.60	108	43.00	6540.0	1371.80	2.6	1371.80	2022.47	34.57-	257.68-	243.48-	1.7
489	38	12.10	108	43.00	6740.0	1364.50	2.2	1364.50	2021.74	22.23-	252.19-	237.59-	1.7
490	38	12.20	108	41.60	6470.0	1373.00	1.2	1373.00	2021.88	40.21-	260.64-	246.61-	1.7
491	38	06.80	108	40.20	6277.0	1400.20	.0	1400.20	2014.00	23.78-	237.13-	223.52-	1.7
492	38	07.50	108	40.70	6425.0	1390.10	.0	1390.10	2015.02	20.48-	239.38-	225.44-	1.7
493	38	10.00	108	40.70	6345.0	1351.60	.9	1361.60	2018.67	13.12-	246.32-	231.48-	1.7
494	38	11.30	108	42.60	6380.0	1358.80	.4	1358.80	2020.57	5.12-	242.92-	227.78-	1.7
495	38	04.80	108	41.20	6379.0	1389.90	.0	1389.80	2011.08	21.17-	238.49-	224.66-	1.7
496	38	05.40	108	41.70	6364.0	1391.00	.0	1391.00	2011.95	22.25-	239.07-	225.27-	1.7
497	38	04.70	108	42.10	6590.0	1374.10	.0	1374.10	2010.93	17.81-	241.99-	227.71-	1.7
498	38	05.20	108	43.00	6600.0	1374.60	.0	1374.40	2011.66	16.36-	241.22-	226.90-	1.7
499	38	05.60	108	43.80	6620.0	1373.30	.2	1373.30	2012.25	16.16-	241.70-	227.34-	1.7
500	38	06.20	108	44.50	6590.0	1377.10	.0	1377.10	2013.12	16.06-	240.58-	226.28-	1.7
501	38	00.50	108	49.80	5637.0	1447.70	.6	1447.70	2004.95	25.94-	218.99-	206.76-	1.6
502	38	00.40	108	40.20	5641.0	1446.90	.9	1446.00	2004.66	27.98-	220.16-	207.92-	1.6
503	37	59.70	108	48.90	5061.0	1430.50	.7	1430.50	2003.64	21.76-	221.44-	208.72-	1.7
504	37	58.90	108	49.00	6074.0	1414.60	1.2	1414.60	2002.47	16.43-	223.39-	210.21-	1.7

COLO PLAT URAVAN COLC 62 FGNAR COLO TC GRV 979328.00 MSV .99999 D1 2.67 D2 2.50 DATATRON STA LAT LONG E

STA	LAT	LONG	E	COLC 62	FGNAR COLO	TC	GRV 979328.00	MSV .99999	D1 2.67	D2 2.50	DATATRON
505	37 59.20	108 50.10	6100.0		1413.30	2.1	1413.30	2002.91	15.74-	223.57-	210.33- 1.7
506	37 58.10	108 49.30	6437.0		1384.80	3.1	1384.80	2001.31	10.94-	230.24-	216.28- 1.7
507	37 57.30	108 49.70	7049.0		1342.30	6.3	1342.30	2000.14	5.31	234.85-	219.56- 1.7
508	37 56.70	108 48.70	7330.0		1322.60	3.7	1322.60	1999.26	12.92	236.81-	220.91- 1.7
509	37 56.00	108 48.40	7385.0		1313.20	9.2	1313.20	1998.24	9.71	241.89-	225.87- 1.7
510	37 56.30	108 47.70	7067.0		1332.20	.0	1332.20	1998.68	5.36	235.41-	220.08- 1.7
511	37 56.40	108 47.10	6903.0		1350.30	2.0	1350.30	1998.83	.88	234.30-	219.32- 1.7
512	37 55.20	108 46.90	7634.0		1293.90	5.8	1293.90	1997.08	15.00	245.08-	228.52- 1.7
513	37 54.30	108 47.50	7982.0		1267.90	8.0	1267.90	1995.77	22.95	248.99-	231.67- 1.7
514	37 53.10	108 47.00	8140.0		1257.50	.6	1257.50	1994.02	29.26	248.06-	230.40- 1.7
515	37 53.10	108 46.40	8111.0		1260.00	1.5	1260.00	1994.02	29.04	247.30-	229.71- 1.7
516	38 01.50	108 49.00	5614.0		1449.50	.0	1448.50	2006.41	29.77-	221.03-	208.85- 1.6
517	38 01.50	108 47.80	5654.0		1443.00	.0	1443.00	2006.41	31.50-	224.13-	211.87- 1.6
518	38 01.60	108 46.80	5773.0		1433.80	.0	1433.80	2006.41	29.51-	226.19-	213.67- 1.6
519	38 01.60	108 46.00	5813.0		1429.10	.0	1429.10	2006.41	30.44-	228.49-	215.88- 1.7
520	38 02.00	108 50.10	5603.0		1451.30	.2	1451.30	2006.99	28.58-	219.47-	207.32- 1.6
521	38 02.30	108 50.60	5664.0		1448.40	.2	1448.40	2007.43	26.18-	219.15-	206.86- 1.6
522	38 02.70	108 51.20	5757.0		1443.50	.2	1443.50	2008.01	22.32-	219.05-	206.57- 1.6
523	38 03.00	108 51.70	5798.0		1441.80	.2	1441.80	2008.45	21.20-	218.73-	206.15- 1.7
524	38 03.30	108 52.30	5909.0		1436.20	.3	1436.20	2008.89	16.79-	218.11-	205.29- 1.7
525	38 03.60	108 53.00	6184.0		1420.90	.7	1420.90	2009.33	5.72-	216.75-	203.31- 1.7
526	38 01.30	108 41.40	6240.0		1390.30	1.1	1390.30	2005.97	28.64-	241.23-	227.69- 1.7
527	38 01.00	108 40.70	6356.0		1393.20	.3	1393.20	2005.54	24.39-	240.93-	227.14- 1.7
528	38 02.70	108 42.20	6436.0		1377.90	.3	1377.90	2005.10	21.72-	240.99-	227.03- 1.7
529	38 00.30	109 39.10	6665.0		1363.90	.6	1363.90	2004.51	13.60-	240.67-	226.21- 1.7
530	38 00.80	108 39.00	6537.0		1363.10	.4	1368.10	2005.24	22.17-	244.88-	230.70- 1.7
531	38 02.00	108 40.90	6207.0		1386.10	.0	1386.10	2006.99	36.96-	248.43-	234.97- 1.7
532	37 52.30	108 55.70	7245.0		1343.20	1.6	1343.20	2003.06	21.73	225.10-	200.39- 1.7
533	38 00.00	109 52.60	7100.0		1452.30	3.0	1342.30	2004.03	16.17	225.73-	210.32- 1.7
534	37 59.50	108 57.10	7177.0		1348.40	1.3	1348.40	2003.35	20.24	224.28-	208.71- 1.7
535	38 00.20	108 57.10	7149.0		1351.20	3.0	1351.20	2004.37	19.38	224.18-	208.67- 1.7
536	38 00.30	108 56.10	7071.0		1356.50	2.3	1356.50	2004.51	17.20	223.70-	208.37- 1.7
537	37 52.80	108 52.00	7677.0		1297.00	.0	1297.00	1993.58	25.64	235.91-	219.25- 1.7
538	37 52.80	108 50.40	7936.0		1275.60	2.4	1275.60	1993.58	28.61	241.76-	224.55- 1.7
539	37 54.80	109 50.10	8155.0		1265.30	4.5	1265.30	1996.50	36.00	243.84-	224.15- 1.7
540	37 57.00	108 56.00	7264.0		1338.40	.5	1338.40	1999.70	22.07	225.41-	209.65- 1.7
541	37 47.50	109 54.50	7445.0		1327.50	.6	1327.50	2000.43	27.47	226.18-	210.03- 1.7
542	38 02.50	108 44.60	6047.0		1397.60	.2	1397.60	2007.72	41.24-	247.26-	234.14- 1.7
543	38 03.00	108 43.80	6976.0		1400.20	.0	1400.20	2008.45	46.05-	249.65-	236.69- 1.7
544	38 03.50	108 44.20	5901.0		1403.50	.2	1403.50	2009.18	50.54-	251.58-	238.78- 1.7
545	38 03.80	108 45.70	5820.0		1403.40	.0	1409.40	2009.62	52.70-	250.98-	238.35- 1.7
546	38 04.10	108 46.60	5736.0		1412.40	.5	1412.40	2010.06	53.33-	250.46-	237.91- 1.7
547	38 04.20	108 47.60	5804.0		1415.80	.2	1415.80	2010.20	48.39-	246.12-	233.53- 1.7
548	38 04.70	108 48.50	5674.0		1423.90	.9	1423.90	2010.93	53.25-	246.55-	234.25- 1.6
549	38 05.10	108 49.40	5600.0		1429.30	1.2	1429.30	2011.52	55.20-	246.06-	233.91- 1.6

COLO PLAT URAYAM LONG COLO 62 EGMAR CMLO TC CRV 979328.00 MSV 99999 D1 2.67 RA1 D2 2.50 RA2 CC DATAIRON STA LAT

578	38	05.70	108	50.10	5526.0	1434.80	1.2	1434.80	2012.39	57.73-	245.99-	234.01-	1.6
579	38	06.00	108	50.50	5476.0	1439.10	1.3	1439.10	2012.83	58.57-	245.13-	233.25-	1.6
580	38	06.30	108	51.10	5425.0	1443.70	1.5	1443.70	2013.41	59.35-	244.18-	232.41-	1.6
581	38	07.00	108	52.20	5352.0	1450.40	1.7	1450.40	2014.29	59.99-	242.33-	230.72-	1.6
582	38	06.20	108	52.20	5360.0	1451.70	2.0	1451.70	2013.12	57.17-	239.79-	228.16-	1.6
583	38	06.80	108	51.60	5385.0	1447.20	1.6	1447.20	2014.00	60.20-	243.66-	231.99-	1.6
584	38	07.20	108	51.70	5382.0	1448.30	2.6	1448.30	2014.58	59.36-	242.72-	231.05-	1.6
585	38	06.80	108	50.80	5485.0	1441.40	2.1	1441.40	2014.00	56.59-	243.46-	231.56-	1.6
586	38	06.50	108	50.20	5570.0	1435.50	2.2	1435.50	2013.56	54.06-	243.82-	231.74-	1.6
587	38	06.30	108	49.80	5620.0	1431.10	2.0	1431.10	2013.27	53.46-	244.93-	232.74-	1.6
588	38	05.90	108	48.90	5660.0	1432.20	3.4	1432.20	2012.68	57.42-	246.85-	234.78-	1.6
589	38	05.50	108	47.10	5662.0	1430.30	1.3	1430.30	2012.10	57.95-	247.44-	235.38-	1.6
590	38	05.30	108	48.30	5742.0	1418.40	1.7	1418.40	2011.81	53.22-	248.85-	236.39-	1.6
591	38	03.00	108	47.50	5775.0	1414.50	1.8	1414.50	2011.37	53.58-	250.33-	237.80-	1.6
592	38	04.90	108	46.90	5802.0	1412.40	1.7	1412.40	2011.22	53.00-	250.66-	238.08-	1.7
593	38	04.50	108	43.30	6020.0	1398.40	1.0	1398.40	2010.64	45.90-	251.00-	237.94-	1.7
594	38	04.80	108	44.30	5980.0	1399.30	1.3	1399.30	2011.08	48.60-	252.34-	239.37-	1.7
595	38	04.70	108	45.20	5933.0	1402.30	1.7	1402.30	2010.93	50.48-	252.61-	239.74-	1.7
596	38	04.20	108	45.20	5822.0	1405.50	.0	1405.50	2010.20	56.99-	255.34-	242.71-	1.7
597	38	04.70	108	45.80	5978.0	1406.50	1.6	1406.50	2010.93	51.45-	251.71-	239.96-	1.7
598	38	03.60	108	42.40	6061.0	1396.70	.7	1396.70	2009.33	42.43-	248.93-	235.78-	1.7
599	38	03.00	108	42.40	6013.0	1396.50	.1	1396.50	2008.45	46.27-	251.13-	238.09-	1.7
600	38	03.20	108	42.40	6167.0	1392.20	.9	1392.20	2008.74	36.38-	246.48-	233.10-	1.7
601	38	02.80	108	42.40	6235.0	1390.70	1.1	1390.70	2008.16	30.96-	243.32-	229.79-	1.7
602	38	01.10	108	47.10	5704.0	1439.60	.0	1439.60	2005.68	29.47-	223.80-	211.43-	1.6
603	38	00.50	108	47.80	5617.0	1446.50	.2	1446.50	2004.81	29.88-	221.25-	209.06-	1.6
604	38	00.20	108	46.50	5648.0	1442.40	.2	1442.40	2004.37	30.63-	223.05-	210.80-	1.6
605	37	59.80	108	46.60	5700.0	1438.80	.2	1438.80	2003.78	28.75-	222.94-	210.58-	1.6
606	37	59.80	108	47.60	5743.0	1437.40	.3	1437.40	2003.78	26.10-	221.76-	209.31-	1.6
607	38	03.40	108	43.50	5916.0	1400.40	.0	1400.40	2003.04	52.08-	253.63-	240.80-	1.7
608	38	00.60	108	44.60	5775.0	1430.40	.0	1430.40	2004.95	31.26-	228.01-	215.48-	1.6
609	38	02.30	108	43.90	5786.0	1428.70	.0	1428.70	2004.51	31.49-	228.61-	216.06-	1.7
610	38	00.30	108	45.40	5720.0	1436.10	.2	1436.10	2004.51	30.30-	225.17-	212.77-	1.6
611	37	59.80	108	45.90	5662.0	1440.50	.2	1440.50	2003.78	30.62-	223.52-	211.24-	1.6
612	37	58.50	108	46.30	5858.0	1425.40	.9	1425.40	2001.89	25.39-	224.57-	212.26-	1.7
613	37	57.70	108	46.50	6166.0	1402.80	1.2	1402.80	2000.72	17.89-	227.92-	214.54-	1.7
614	37	57.00	108	46.50	6602.0	1372.00	1.7	1372.00	1999.70	6.61-	231.53-	217.21-	1.7
615	37	58.90	108	45.70	5747.0	1433.30	.3	1433.30	2002.47	28.52-	224.31-	211.84-	1.6
616	37	57.60	108	52.10	7334.0	1331.20	2.2	1331.20	2000.58	20.58	229.28-	213.38-	1.7
617	37	57.20	108	52.40	7390.0	1322.40	4.7	1322.40	1999.99	17.63	234.14-	218.11-	1.7
618	37	58.30	108	52.20	7113.0	1345.90	2.8	1345.90	2001.60	13.47	228.87-	213.44-	1.7
619	37	59.00	108	51.60	6480.0	1389.70	2.6	1389.70	2002.62	3.30-	224.07-	210.02-	1.7
620	38	00.00	108	51.70	5940.0	1427.10	1.7	1427.10	2004.08	18.16-	220.53-	207.65-	1.7
621	38	00.00	108	52.30	6171.0	1413.20	.0	1413.20	2004.08	10.33-	220.57-	207.19-	1.7
622	38	00.70	108	53.20	6197.0	1413.30	2.0	1413.30	2005.10	8.81-	219.93-	206.49-	1.7

COLA PLAT URAVAN LONG COLD E 62 FGAR CQLO IC GRV 979328.99 MSV 93399 DAI 3.67 BA2 2.50 CC DATATRON

669	38	12.00	108	58.40	5386.0	1478.60	1.3	1478.60	2021.59	36.30-	219.80-	208.11-	1.6
670	38	12.50	108	58.00	5315.0	1484.00	1.3	1484.00	2022.47	38.46-	219.53-	208.00-	1.6
671	38	12.20	108	57.60	5480.0	1469.60	.7	1469.60	2021.88	36.75-	223.45-	211.56-	1.6
672	00	00.00	000	00.00	5700.0	1452.60	.7	1452.60	49.00	940.12	745.93	758.29	1.6
673	38	09.30	108	54.40	5430.0	1456.70	1.1	1456.70	2017.65	50.12-	235.11-	223.33-	1.6
674	38	09.70	108	54.60	5457.0	1458.60	2.1	1458.60	2019.23	46.26-	232.18-	220.34-	1.6
675	38	01.10	108	54.90	6407.0	1402.20	1.0	1402.20	2005.68	.73-	219.02-	205.12-	1.7
676	38	02.00	108	48.90	5724.0	1437.50	.0	1437.50	2008.16	32.17-	227.18-	214.76-	1.6
677	38	02.40	108	48.90	5679.0	1442.00	.0	1442.00	2007.58	31.32-	224.80-	212.48-	1.6
678	38	03.20	108	47.80	5856.0	1423.80	.1	1423.80	2008.74	34.03-	233.54-	220.84-	1.7
680	38	13.00	108	32.80	5451.0	1446.00	.0	1446.00	2023.05	66.24-	251.96-	240.13-	1.6
681	38	10.30	108	32.30	6139.0	1401.70	.0	1401.70	2019.11	39.86-	249.03-	235.71-	1.7
684	38	06.30	108	32.60	6749.0	1372.70	.0	1372.70	2013.27	6.15-	236.08-	221.44-	1.7
686	38	07.40	108	32.70	6664.0	1373.40	.0	1373.40	2014.87	14.55-	241.59-	227.13-	1.7
687	38	13.50	108	30.50	5626.0	1420.40	.0	1420.40	2023.78	64.01-	255.69-	243.48-	1.6
688	38	13.30	108	31.50	5687.0	1428.20	.0	1428.20	2023.49	60.28-	254.03-	241.70-	1.6
689	38	13.20	108	29.30	6794.0	1417.60	.0	1417.60	2023.34	60.67-	258.07-	245.50-	1.7
690	38	13.80	108	29.00	5883.0	1413.70	.0	1413.70	2024.22	57.07-	257.50-	244.74-	1.7
691	38	11.40	108	20.30	5873.0	1411.70	.0	1411.70	2020.71	56.60-	256.66-	243.92-	1.7
692	38	02.30	108	29.30	6128.0	1396.60	.0	1396.60	2017.65	44.55-	253.33-	240.03-	1.7
693	38	07.70	108	30.10	6250.0	1383.90	.0	1383.90	2015.31	33.44-	246.37-	232.81-	1.7
694	38	06.40	108	31.30	6409.0	1370.60	.0	1370.60	2013.41	20.73-	238.77-	224.89-	1.7
695	38	05.20	108	32.00	6511.0	1366.80	.0	1366.80	2011.66	12.33-	234.16-	220.03-	1.7
696	38	04.00	108	33.00	6510.0	1367.80	.0	1367.80	2009.91	9.68-	231.47-	217.34-	1.7
697	38	04.00	108	34.30	6434.0	1396.60	.0	1396.60	2009.91	10.85-	229.03-	215.14-	1.7
698	38	10.00	108	28.30	5094.0	1402.70	.0	1402.70	2018.67	51.14-	255.69-	242.67-	1.7
699	38	08.60	108	29.00	6165.0	1377.00	.0	1377.00	2016.63	39.65-	249.68-	236.31-	1.7
700	38	07.00	108	00.50	6325.0	1391.60	.0	1391.60	2014.29	26.72-	242.55-	228.80-	1.7
701	38	01.80	108	31.80	6474.0	1384.50	.0	1384.50	2012.54	14.99-	235.55-	221.51-	1.7
702	38	06.60	108	32.30	6525.0	1376.60	.0	1376.60	2010.79	10.64-	232.94-	218.79-	1.7
703	38	04.00	108	31.10	6625.0	1376.60	.0	1376.60	2009.91	10.06-	235.76-	221.39-	1.7
708	38	07.30	108	39.40	6128.0	1407.60	.0	1407.60	2014.73	30.63-	239.41-	226.11-	1.7
709	38	03.00	108	39.30	6015.0	1413.00	.0	1413.00	2015.75	36.88-	241.81-	228.76-	1.7
710	38	08.70	108	39.00	5898.0	1418.10	.0	1418.10	2016.77	43.81-	244.75-	231.96-	1.7
711	38	08.20	108	38.40	6035.0	1412.00	.0	1412.00	2016.04	38.22-	242.80-	229.77-	1.7
712	38	00.30	108	39.00	5836.0	1420.20	.0	1420.20	2017.65	48.42-	247.25-	234.59-	1.7
713	38	00.90	108	39.20	5790.0	1422.10	.0	1422.10	2018.52	51.72-	248.98-	236.43-	1.7
714	38	10.30	108	38.90	5713.0	1421.70	.0	1421.70	2019.11	59.48-	254.29-	241.89-	1.6
715	38	10.80	108	38.60	5678.0	1422.10	.0	1422.00	2019.84	63.68-	257.12-	244.80-	1.6
716	38	11.20	108	38.10	5690.0	1422.50	.0	1422.50	2020.42	71.10-	261.89-	249.74-	1.6
717	38	11.90	108	36.40	5502.0	1427.70	.0	1427.70	2021.45	67.67-	258.19-	246.06-	1.6
718	38	11.60	108	34.00	5951.0	1410.60	.0	1410.60	2021.01	50.56-	253.31-	240.40-	1.7
719	38	10.70	108	34.90	6084.0	1402.60	.0	1402.60	2019.60	44.73-	252.01-	238.81-	1.7
720	38	11.30	108	34.20	5916.0	1419.70	.0	1410.70	2020.57	47.67-	251.27-	238.31-	1.7
721	38	10.40	108	34.00	6055.0	1412.60	.0	1412.90	2019.84	46.72-	249.60-	236.69-	1.7

STA	PLAT	URAVAN	LONG	COLO	E	FGNAR	COLO	TC	OG	FTH	MSV	99999	D1	2.67	RA2	D2	2.50	CC
722	38	13.30	108	29.50	6018.0	1403.60	1403.60	0.0	1403.60	2023.49	53.74-	258.77-	245.72-	1.7				
723	38	12.80	108	27.30	6141.0	1393.40	1393.40	0.0	1393.40	2022.76	51.64-	260.86-	247.54-	1.7				
724	38	12.10	108	26.60	6263.0	1384.30	1384.30	0.0	1384.30	2021.74	48.24-	261.62-	248.03-	1.7				
725	38	10.80	108	25.80	6376.0	1375.00	1375.00	0.0	1375.00	2019.84	45.01-	262.24-	248.40-	1.7				
727	38	19.70	108	27.30	7120.0	1363.80	1363.80	0.0	1363.80	2032.85	.77	241.80-	226.36-	1.7				
728	38	19.30	108	28.40	6702.0	1381.10	1381.10	0.0	1381.30	2032.26	12.00-	243.40-	228.66-	1.7				
729	38	18.60	108	29.00	6608.0	1385.20	1385.20	0.0	1385.20	2031.24	18.74-	245.91-	231.45-	1.7				
730	38	18.00	108	29.20	6568.0	1387.90	1387.90	0.0	1387.80	2030.36	24.67-	248.44-	234.19-	1.7				
731	38	17.70	108	30.00	6313.0	1402.50	1402.50	0.0	1402.50	2029.92	33.52-	248.60-	234.91-	1.7				
732	38	16.80	108	30.80	6052.0	1415.20	1415.20	0.0	1415.20	2028.61	43.40-	249.83-	236.68-	1.7				
733	38	16.50	108	31.30	5973.0	1419.00	1419.00	0.0	1419.00	2028.17	47.25-	250.75-	237.79-	1.7				
734	38	16.20	108	32.20	5920.0	1423.00	1423.00	0.0	1423.00	2027.73	47.80-	249.42-	236.65-	1.7				
735	38	17.90	108	31.00	6212.0	1414.50	1414.50	0.0	1414.50	2030.21	31.32-	242.95-	229.48-	1.7				
736	38	18.50	108	32.30	6302.0	1411.40	1411.40	0.0	1411.40	2031.09	26.83-	241.53-	227.86-	1.7				
737	38	23.70	108	32.50	7320.0	1354.60	1354.60	0.0	1364.60	2038.70	14.54	234.85-	218.97-	1.7				
738	38	24.00	108	31.70	7355.0	1363.40	1363.40	0.0	1363.40	2039.14	16.19	234.39-	218.44-	1.7				
739	38	24.10	108	31.30	7467.0	1357.10	1357.10	0.0	1357.10	2039.28	20.28	234.12-	217.92-	1.7				
740	38	24.70	108	30.90	7666.0	1347.00	1347.00	0.0	1347.00	2040.16	26.14	234.35-	217.77-	1.7				
741	38	19.80	108	36.20	5770.0	1448.10	1448.10	0.0	1448.10	2032.99	42.08-	238.66-	226.14-	1.6				
742	38	20.40	108	35.60	5918.0	1440.60	1440.60	0.0	1440.60	2033.87	36.53-	238.15-	225.31-	1.7				
743	38	21.00	108	34.00	6120.0	1428.10	1428.10	0.0	1428.10	2034.75	30.91-	239.41-	226.13-	1.7				
744	38	21.10	108	34.30	6229.0	1421.50	1421.50	0.0	1421.50	2034.89	27.40-	239.61-	226.10-	1.7				
745	38	22.90	108	31.00	7182.0	1371.50	1371.50	0.0	1371.50	2037.53	9.62	235.06-	219.48-	1.7				
746	38	22.90	108	33.10	6991.0	1381.10	1381.10	0.0	1391.10	2037.53	1.25	236.92-	221.76-	1.7				
747	38	22.80	108	33.70	6831.0	1390.20	1390.20	0.0	1390.20	2037.38	4.55-	237.28-	222.46-	1.7				
748	38	22.70	108	34.60	6457.0	1413.20	1413.20	0.0	1413.20	2037.23	16.59-	236.57-	222.57-	1.7				
749	38	22.60	108	35.10	6234.0	1426.00	1426.00	0.0	1426.00	2037.09	24.43-	236.89-	223.36-	1.7				
750	38	22.20	108	35.70	5952.0	1442.30	1442.30	0.0	1442.30	2036.50	33.61-	236.63-	223.70-	1.7				
751	38	21.90	108	36.00	5622.0	1461.50	1461.50	0.0	1461.50	2036.06	45.67-	237.21-	225.01-	1.6				
752	38	21.70	108	36.20	5529.0	1456.10	1456.10	0.0	1466.10	2035.77	49.53-	237.90-	225.90-	1.6				
754	38	15.70	108	33.30	5609.0	1437.00	1437.00	0.0	1437.00	2027.00	53.95-	248.08-	235.72-	1.6				
755	38	15.70	108	32.30	5773.0	1432.10	1432.10	0.0	1430.10	2027.00	53.33-	250.18-	237.65-	1.6				
756	38	15.70	108	31.10	5876.0	1422.00	1422.00	0.0	1422.00	2027.00	52.21-	252.40-	229.65-	1.7				
757	38	14.90	108	31.10	5824.0	1423.00	1423.00	0.0	1423.00	2025.83	54.93-	253.35-	240.72-	1.7				
758	38	15.80	108	30.60	6086.0	1407.70	1407.70	0.0	1407.70	2027.14	46.90-	254.24-	241.04-	1.7				
759	38	14.30	108	28.60	6831.0	1291.60	1291.60	0.0	1391.80	2033.14	8.71-	241.44-	226.62-	1.7				
760	38	20.40	108	28.00	6951.0	1377.80	1377.80	0.0	1377.80	2033.87	1.21-	238.37-	223.27-	1.7				
761	38	20.70	108	29.00	7365.0	1353.30	1353.30	0.0	1353.30	2034.31	11.86	239.06-	223.09-	1.7				
762	38	20.60	108	29.70	7276.0	1356.70	1356.70	0.0	1356.70	2034.16	7.03	240.88-	225.07-	1.7				
763	38	21.20	108	30.00	7160.0	1353.30	1353.30	0.0	1363.80	2035.04	2.34	241.59-	226.06-	1.7				
764	38	20.30	108	26.80	7248.0	1265.00	1265.00	0.0	1365.00	2033.72	13.14	233.80-	218.08-	1.7				
765	38	26.40	108	31.50	6749.0	1273.20	1273.20	0.0	1373.20	2013.41	5.29-	235.23-	220.59-	1.7				
766	38	26.10	108	34.30	6662.0	1390.20	1390.20	0.0	1390.20	2012.98	6.04-	233.01-	218.56-	1.7				
767	38	26.00	108	34.80	6575.0	1386.00	1386.00	0.0	1336.00	2012.83	8.28-	232.20-	218.02-	1.7				
768	38	25.90	108	35.90	6511.0	1300.40	1300.40	0.0	1390.40	2012.68	10.70-	232.18-	218.08-	1.7				

COLL PLAT UPVAVR LONG COL F 62 FGAR COLO IC GRV 979328.00 MSV .99999 D1 2.67 BA1 D2 2.50 BA2 CC DATATRON

762	38	05.30	108	36.50	6344.7	1400.20	2011.81	14.79-	230.92-	217.16-	1.7
771	38	07.50	108	35.00	6936.0	1354.70	2015.02	2.16-	240.51-	225.34-	1.7
772	38	07.10	108	33.70	6890.0	1362.50	2014.46	3.75-	238.49-	223.54-	1.7
773	38	04.70	108	33.50	6474.0	1391.50	2010.93	10.38-	230.95-	216.90-	1.7
774	00	00.00	000	00.00	6630.0	1350.70	49.00	956.61-	730.42-	744.82-	1.7
775	38	04.80	108	34.70	6428.0	1375.00	2011.08	11.36-	230.35-	216.41-	1.7
776	38	04.90	108	35.60	6370.0	1308.90	2011.22	13.06-	230.08-	216.26-	1.7
779	38	02.10	108	33.60	6549.0	1385.20	2008.60	7.29-	230.41-	216.21-	1.7
780	38	02.40	108	33.60	6597.0	1382.50	2007.58	5.40-	229.81-	215.52-	1.7
781	38	01.80	108	33.50	6643.0	1378.10	2006.70	3.65-	229.98-	215.57-	1.7
782	38	01.10	108	33.30	6743.0	1369.90	2005.68	1.42-	231.15-	216.53-	1.7
783	38	00.50	108	33.30	6962.0	1360.80	2004.81	1.25	232.54-	217.65-	1.7
784	37	02.80	108	33.30	7036.0	1346.40	2003.78	4.54	235.17-	217.91-	1.7
785	38	00.50	108	32.50	6995.0	1363.10	2004.81	1.52-	233.36-	218.60-	1.7
786	38	00.30	108	31.70	6901.0	1355.30	2004.51	.01	235.11-	220.14-	1.7
787	37	59.90	108	31.10	6973.0	1348.60	2003.93	.66	236.90-	221.77-	1.7
788	38	00.60	108	30.70	6788.0	1361.30	2004.95	5.06-	236.32-	221.60-	1.7
789	38	01.20	108	31.10	6719.0	1368.10	2005.83	5.63-	234.54-	219.96-	1.7
790	38	01.30	108	31.80	6726.0	1369.00	2005.97	4.22-	233.36-	218.77-	1.7
791	38	01.50	108	32.60	6696.0	1372.80	2006.26	3.53-	231.66-	217.13-	1.7
801	38	04.00	108	33.60	6488.0	1390.10	2009.91	9.45-	230.49-	216.41-	1.7
802	38	04.00	108	34.20	6475.0	1391.70	2009.91	9.07-	229.67-	215.62-	1.7
803	38	04.00	108	35.30	6370.0	1399.10	2009.91	11.55-	228.57-	214.75-	1.7
804	38	04.00	108	36.60	6359.0	1399.20	2009.91	12.48-	229.13-	215.33-	1.7
805	38	01.70	108	36.70	6546.0	1382.40	2006.56	8.52-	231.47-	217.27-	1.7
805	38	01.10	108	37.20	6531.0	1376.70	2005.97	12.98-	236.17-	221.96-	1.7
807	38	00.60	108	37.00	6703.0	1364.50	2004.95	9.86-	238.22-	223.68-	1.7
808	38	02.50	108	36.70	6482.0	1389.30	2007.72	8.62-	229.46-	215.40-	1.7
809	38	02.00	108	35.80	6535.0	1385.80	2006.99	6.41-	229.05-	214.87-	1.7
810	38	02.60	108	35.50	6481.0	1390.90	2007.87	7.26-	228.06-	214.00-	1.7
811	38	02.30	108	34.80	6461.0	1392.40	2008.16	7.93-	228.06-	214.04-	1.7
812	38	03.00	108	04.30	6494.0	1399.90	2008.45	7.62-	228.87-	214.78-	1.7
813	38	04.00	108	29.90	6751.0	1366.30	2009.91	8.50-	238.50-	223.86-	1.7
814	38	03.00	108	29.90	6776.0	1364.10	2008.45	6.99-	237.74-	223.05-	1.7
815	38	02.30	108	29.50	6892.0	1355.50	2007.43	3.46-	238.30-	223.35-	1.7
816	38	04.00	108	28.80	6944.0	1351.20	2009.91	5.45-	242.02-	226.96-	1.7
817	38	04.70	108	29.30	6833.0	1358.30	2010.93	9.81-	242.61-	227.78-	1.7
818	38	05.30	108	29.60	6630.0	1369.40	2011.81	13.28-	241.56-	227.07-	1.7
819	38	06.10	108	29.60	6763.0	1363.50	2012.98	13.24-	243.65-	228.98-	1.7
820	38	12.80	108	28.50	6004.0	1403.40	2022.75	54.53-	259.08-	246.06-	1.7
821	38	11.50	108	27.80	6087.0	1396.20	2020.86	52.02-	259.40-	246.20-	1.7
822	38	11.00	108	27.20	6104.0	1398.60	2020.13	48.82-	259.85-	246.41-	1.7
823	38	10.10	108	26.50	6358.0	1377.60	2018.82	43.08-	259.69-	245.90-	1.7
824	38	15.20	108	28.60	5667.0	1427.20	2026.27	65.24-	258.31-	246.02-	1.6
825	38	16.30	108	26.90	6046.0	1406.90	2027.87	52.19-	258.18-	245.06-	1.7

STA	PLAT	URAVAN	LONG	COLO	F	62	FGNAR	COLO	MG/OG	TC	GRV	979328.00	MSV	.99999	FAA	BA1	D1 2.67	D2 2.50	BA2	CC
826	38	16.10	108 25.20	6010.0			1406.10	1406.10		.0	1406.10	2027.58	56.09	250.84	247.81	1.7				
827	38	16.30	108 26.00	6006.0			1407.80	1407.80		.0	1407.80	2027.87	55.06	259.68	246.65	1.7				
828	38	15.80	108 27.70	5846.0			1418.90	1418.90		.0	1418.90	2027.14	58.28	257.45	244.77	1.7				
829	38	09.60	108 31.90	6232.0			1306.50	1306.50		.0	1306.50	2018.09	35.30	247.62	234.11	1.7				
830	38	08.90	108 32.00	6664.0			1393.70	1393.70		.0	1393.70	2017.06	25.26	245.48	231.46	1.7				
831	38	08.60	108 32.40	6603.0			1375.80	1375.80		.0	1375.80	2016.63	19.64	244.60	230.28	1.7				
832	38	10.00	108 31.10	6139.0			1409.40	1409.40		.0	1409.40	2018.67	40.74	249.89	236.57	1.7				
833	38	10.30	108 30.10	6088.0			1400.90	1400.90		.0	1400.90	2019.11	45.57	252.99	239.78	1.7				
834	38	10.70	108 29.70	5982.0			1406.70	1406.70		.0	1406.70	2019.69	50.23	254.03	241.06	1.7				
835	38	09.60	108 30.10	6191.0			1305.50	1305.50		.0	1305.50	2018.09	40.16	251.08	237.65	1.7				
836	38	14.20	108 28.70	6078.0			1406.60	1406.60		.0	1406.60	2024.81	53.00	257.69	244.65	1.7				
837	38	14.20	108 27.70	6128.0			1397.20	1397.20		.0	1397.20	2024.81	50.17	259.29	245.97	1.7				
838	38	14.40	108 26.70	6342.0			1384.00	1384.00		.0	1384.00	2025.10	44.47	260.54	246.78	1.7				
839	38	14.00	108 25.40	6454.0			1374.80	1374.80		.0	1374.80	2024.51	42.55	262.43	248.43	1.7				
840	38	14.00	108 25.40	6454.0			1374.80	1374.80		.0	1374.80	2024.51	42.55	262.43	248.43	1.7				
841	38	13.30	108 27.80	5160.0			1500.10	1500.10		.0	1500.10	2023.49	37.96	213.76	202.56	1.6				
842	38	14.10	108 27.50	5120.0			1505.80	1505.80		.0	1505.80	2024.66	37.19	211.63	200.57	1.6				
843	38	14.10	108 26.70	5060.0			1502.90	1502.90		.0	1502.90	2024.66	38.84	211.23	200.25	1.5				
844	38	14.50	108 26.50	5032.0			1511.90	1511.90		.0	1511.90	2025.24	39.95	211.39	200.48	1.5				
845	38	15.10	108 26.70	5020.0			1510.90	1510.90		.0	1510.90	2026.12	42.96	213.99	203.10	1.5				
846	38	15.10	108 25.90	5012.0			1510.90	1510.90		.0	1510.90	2026.12	43.71	214.47	203.60	1.5				
847	38	15.50	108 26.20	5005.0			1511.30	1511.30		.0	1511.30	2026.71	43.96	214.47	203.62	1.5				
848	38	15.50	108 25.50	5001.0			1511.60	1511.60		.0	1511.60	2026.71	44.63	215.01	204.16	1.5				
849	38	16.10	108 25.50	4991.0			1515.40	1515.40		.0	1515.40	2027.58	42.65	212.69	201.86	1.5				
850	38	16.70	108 25.90	4983.0			1516.60	1516.60		.0	1516.60	2028.46	43.08	212.85	202.04	1.5				
851	38	17.00	108 25.00	5080.0			1510.30	1510.30		.0	1510.30	2028.90	40.19	213.27	202.25	1.5				
852	38	09.20	108 37.60	6961.0			1350.80	1350.80		.0	1350.80	2017.50	11.84	248.99	233.89	1.7				
853	38	09.30	108 36.80	7222.0			1332.70	1332.70		.0	1332.70	2017.65	5.53	251.58	235.91	1.7				
854	38	08.80	108 36.00	7278.0			1329.90	1329.90		.0	1329.90	2016.92	2.33	250.29	234.50	1.7				
855	38	08.50	108 35.10	7244.0			1332.80	1332.80		.0	1332.80	2016.48	2.19	248.99	233.28	1.7				
856	38	08.10	108 34.30	7184.0			1339.60	1339.60		.0	1339.60	2015.90	.45	245.21	229.62	1.7				