The FREQ Procedure

Relative Distance from Equator (nearest 10 degrees latitude)				
LATITUDE_GROUP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-9	631	0.16	631	0.16
-8	6983	1.82	7614	1.98
-7	13528	3.52	21142	5.50
-6	18758	4.88	39900	10.38
-5	25392	6.61	65292	16.99
-4	34576	9.00	99868	25.98
-3	46503	12.10	146371	38.08
-2	46156	12.01	192527	50.09
-1	40922	10.65	233449	60.74
0	32364	8.42	265813	69.16
1	30414	7.91	296227	77.07
2	28990	7.54	325217	84.62
3	23365	6.08	348582	90.70
4	14162	3.68	362744	94.38
5	10800	2.81	373544	97.19
6	7975	2.07	381519	99.27
7	2780	0.72	384299	99.99
8	44	0.01	384343	100.00

Relative Distance from Equator (nearest 1 degree latitude)				
NEAREST_LATITUDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-87	2	0.00	2	0.00
-86	16	0.00	18	0.00
-85	62	0.02	80	0.02
-84	68	0.02	148	0.04
-83	100	0.03	248	0.06
-82	169	0.04	417	0.11
-81	214	0.06	631	0.16
-80	321	0.08	952	0.25
-79	462	0.12	1414	0.37
-78	431	0.11	1845	0.48
-77	469	0.12	2314	0.60
-76	571	0.15	2885	0.75
-75	713	0.19	3598	0.94
-74	963	0.25	4561	1.19
-73	901	0.23	5462	1.42
-72	1004	0.26	6466	1.68
-71	1148	0.30	7614	1.98
-70	1161	0.30	8775	2.28
-69	1193	0.31	9968	2.59
-68	1258	0.33	11226	2.92
-67	1146	0.30	12372	3.22
-66	1318	0.34	13690	3.56
-65	1395	0.36	15085	3.92

The FREQ Procedure

Relative Distance from Equator (nearest 1 degree latitude)				
NEAREST_LATITUDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-64	1464	0.38	16549	4.31
-63	1427	0.37	17976	4.68
-62	1584	0.41	19560	5.09
-61	1582	0.41	21142	5.50
-60	1780	0.46	22922	5.96
-59	1747	0.45	24669	6.42
-58	1754	0.46	26423	6.87
-57	1870	0.49	28293	7.36
-56	1880	0.49	30173	7.85
-55	1930	0.50	32103	8.35
-54	1886	0.49	33989	8.84
-53	2027	0.53	36016	9.37
-52	1960	0.51	37976	9.88
-51	1924	0.50	39900	10.38
-50	2012	0.52	41912	10.90
-49	2204	0.57	44116	11.48
-48	2355	0.61	46471	12.09
-47	2536	0.66	49007	12.75
-46	2549	0.66	51556	13.41
-45	2612	0.68	54168	14.09
-44	2715	0.71	56883	14.80
-43	2735	0.71	59618	15.51
-42	2768	0.72	62386	16.23
-41	2906	0.76	65292	16.99
-40	2850	0.74	68142	17.73
-39	3012	0.78	71154	18.51
-38	3171	0.83	74325	19.34
-37	3176	0.83	77501	20.16
-36	3373	0.88	80874	21.04
-35	3448	0.90	84322	21.94
-34	3722	0.97	88044	22.91
-33	3835	1.00	91879	23.91
-32	3962	1.03	95841	24.94
-31	4027	1.05	99868	25.98
-30	4091	1.06	103959	27.05
-29	4162	1.08	108121	28.13
-28	4338	1.13	112459	29.26
-27	4437	1.15	116896	30.41
-26	4683	1.22	121579	31.63
-25	4509	1.17	126088	32.81
-24	4861	1.26	130949	34.07
-23	5077	1.32	136026	35.39
-22	5209	1.36	141235	36.75
-21	5136	1.34	146371	38.08

The FREQ Procedure

Relative Distance from Equator (nearest 1 degree latitude)				
NEAREST_LATITUDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-20	4959	1.29	151330	39.37
-19	4604	1.20	155934	40.57
-18	4969	1.29	160903	41.86
-17	4761	1.24	165664	43.10
-16	4563	1.19	170227	44.29
-15	4576	1.19	174803	45.48
-14	4376	1.14	179179	46.62
-13	4588	1.19	183767	47.81
-12	4437	1.15	188204	48.97
-11	4323	1.12	192527	50.09
-10	4319	1.12	196846	51.22
-9	4111	1.07	200957	52.29
-8	3774	0.98	204731	53.27
-7	3916	1.02	208647	54.29
-6	4100	1.07	212747	55.35
-5	4195	1.09	216942	56.44
-4	4242	1.10	221184	57.55
-3	4247	1.11	225431	58.65
-2	4147	1.08	229578	59.73
-1	3871	1.01	233449	60.74
0	3344	0.87	236793	61.61
1	3345	0.87	240138	62.48
2	3266	0.85	243404	63.33
3	3329	0.87	246733	64.20
4	3205	0.83	249938	65.03
5	3179	0.83	253117	65.86
6	3283	0.85	256400	66.71
7	3029	0.79	259429	67.50
8	3092	0.80	262521	68.30
9	3292	0.86	265813	69.16
10	3193	0.83	269006	69.99
11	3089	0.80	272095	70.79
12	3010	0.78	275105	71.58
13	3099	0.81	278204	72.38
14	3156	0.82	281360	73.21
15	3153	0.82	284513	74.03
16	3132	0.81	287645	74.84
17	2888	0.75	290533	75.59
18	2793	0.73	293326	76.32
19	2901	0.75	296227	77.07
20	3076	0.80	299303	77.87
21	3011	0.78	302314	78.66
22	3106	0.81	305420	79.47
23	2960	0.77	308380	80.24

The FREQ Procedure

Relative Distance from Equator (nearest 1 degree latitude)				
NEAREST_LATITUDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
24	2867	0.75	311247	80.98
25	2933	0.76	314180	81.74
26	2967	0.77	317147	82.52
27	2739	0.71	319886	83.23
28	2668	0.69	322554	83.92
29	2663	0.69	325217	84.62
30	2539	0.66	327756	85.28
31	2493	0.65	330249	85.93
32	2538	0.66	332787	86.59
33	2346	0.61	335133	87.20
34	2476	0.64	337609	87.84
35	2357	0.61	339966	88.45
36	2396	0.62	342362	89.08
37	2078	0.54	344440	89.62
38	2096	0.55	346536	90.16
39	2046	0.53	348582	90.70
40	1878	0.49	350460	91.18
41	1715	0.45	352175	91.63
42	1483	0.39	353658	92.02
43	1611	0.42	355269	92.44
44	1528	0.40	356797	92.83
45	1323	0.34	358120	93.18
46	1353	0.35	359473	93.53
47	1150	0.30	360623	93.83
48	1044	0.27	361667	94.10
49	1077	0.28	362744	94.38
50	1067	0.28	363811	94.66
51	1086	0.28	364897	94.94
52	1098	0.29	365995	95.23
53	1162	0.30	367157	95.53
54	1183	0.31	368340	95.84
55	1100	0.29	369440	96.12
56	1139	0.30	370579	96.42
57	1018	0.26	371597	96.68
58	1016	0.26	372613	96.95
59	931	0.24	373544	97.19
60	927	0.24	374471	97.43
61	922	0.24	375393	97.67
62	938	0.24	376331	97.92
63	810	0.21	377141	98.13
64	797	0.21	377938	98.33
65	759	0.20	378697	98.53
66	735	0.19	379432	98.72
67	745	0.19	380177	98.92

The FREQ Procedure

Relative Distance from Equator (nearest 1 degree latitude)				
NEAREST_LATITUDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
68	678	0.18	380855	99.09
69	664	0.17	381519	99.27
70	518	0.13	382037	99.40
71	452	0.12	382489	99.52
72	363	0.09	382852	99.61
73	321	0.08	383173	99.70
74	293	0.08	383466	99.77
75	301	0.08	383767	99.85
76	229	0.06	383996	99.91
77	153	0.04	384149	99.95
78	99	0.03	384248	99.98
79	51	0.01	384299	99.99
80	10	0.00	384309	99.99
81	20	0.01	384329	100.00
82	4	0.00	384333	100.00
83	2	0.00	384335	100.00
84	4	0.00	384339	100.00
85	4	0.00	384343	100.00

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-420	1	0.00	1	0.00
-30	2	0.00	3	0.00
-20	4	0.00	7	0.00
-10	3	0.00	10	0.00
0	307529	80.01	307539	80.02
10	404	0.11	307943	80.12
20	862	0.22	308805	80.35
30	1301	0.34	310106	80.68
40	1644	0.43	311750	81.11
50	1743	0.45	313493	81.57
60	1895	0.49	315388	82.06
70	2059	0.54	317447	82.59
80	2047	0.53	319494	83.13
90	2008	0.52	321502	83.65
100	1999	0.52	323501	84.17
110	1953	0.51	325454	84.68
120	1853	0.48	327307	85.16
130	1763	0.46	329070	85.62
140	1632	0.42	330702	86.04
150	1627	0.42	332329	86.47
160	1541	0.40	333870	86.87
170	1435	0.37	335305	87.24

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
180	1365	0.36	336670	87.60
190	1363	0.35	338033	87.95
200	1201	0.31	339234	88.26
210	1247	0.32	340481	88.59
220	1189	0.31	341670	88.90
230	1110	0.29	342780	89.19
240	1040	0.27	343820	89.46
250	1091	0.28	344911	89.74
260	1021	0.27	345932	90.01
270	1004	0.26	346936	90.27
280	934	0.24	347870	90.51
290	930	0.24	348800	90.75
300	915	0.24	349715	90.99
310	827	0.22	350542	91.21
320	846	0.22	351388	91.43
330	833	0.22	352221	91.64
340	816	0.21	353037	91.85
350	798	0.21	353835	92.06
360	789	0.21	354624	92.27
370	761	0.20	355385	92.47
380	799	0.21	356184	92.67
390	731	0.19	356915	92.86
400	717	0.19	357632	93.05
410	730	0.19	358362	93.24
420	687	0.18	359049	93.42
430	684	0.18	359733	93.60
440	698	0.18	360431	93.78
450	681	0.18	361112	93.96
460	631	0.16	361743	94.12
470	657	0.17	362400	94.29
480	581	0.15	362981	94.44
490	621	0.16	363602	94.60
500	590	0.15	364192	94.76
510	562	0.15	364754	94.90
520	570	0.15	365324	95.05
530	559	0.15	365883	95.20
540	526	0.14	366409	95.33
550	489	0.13	366898	95.46
560	499	0.13	367397	95.59
570	459	0.12	367856	95.71
580	467	0.12	368323	95.83
590	425	0.11	368748	95.94
600	406	0.11	369154	96.05
610	419	0.11	369573	96.16

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
620	446	0.12	370019	96.27
630	405	0.11	370424	96.38
640	420	0.11	370844	96.49
650	379	0.10	371223	96.59
660	390	0.10	371613	96.69
670	337	0.09	371950	96.78
680	353	0.09	372303	96.87
690	333	0.09	372636	96.95
700	347	0.09	372983	97.04
710	328	0.09	373311	97.13
720	293	0.08	373604	97.21
730	310	0.08	373914	97.29
740	297	0.08	374211	97.36
750	316	0.08	374527	97.45
760	311	0.08	374838	97.53
770	262	0.07	375100	97.60
780	302	0.08	375402	97.67
790	271	0.07	375673	97.74
800	254	0.07	375927	97.81
810	271	0.07	376198	97.88
820	233	0.06	376431	97.94
830	206	0.05	376637	98.00
840	212	0.06	376849	98.05
850	233	0.06	377082	98.11
860	188	0.05	377270	98.16
870	212	0.06	377482	98.21
880	171	0.04	377653	98.26
890	200	0.05	377853	98.31
900	188	0.05	378041	98.36
910	165	0.04	378206	98.40
920	169	0.04	378375	98.45
930	148	0.04	378523	98.49
940	154	0.04	378677	98.53
950	150	0.04	378827	98.56
960	144	0.04	378971	98.60
970	143	0.04	379114	98.64
980	137	0.04	379251	98.68
990	154	0.04	379405	98.72
1000	130	0.03	379535	98.75
1010	122	0.03	379657	98.78
1020	130	0.03	379787	98.81
1030	113	0.03	379900	98.84
1040	132	0.03	380032	98.88
1050	111	0.03	380143	98.91

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1060	99	0.03	380242	98.93
1070	101	0.03	380343	98.96
1080	94	0.02	380437	98.98
1090	88	0.02	380525	99.01
1100	88	0.02	380613	99.03
1110	107	0.03	380720	99.06
1120	87	0.02	380807	99.08
1130	92	0.02	380899	99.10
1140	99	0.03	380998	99.13
1150	82	0.02	381080	99.15
1160	92	0.02	381172	99.17
1170	88	0.02	381260	99.20
1180	87	0.02	381347	99.22
1190	70	0.02	381417	99.24
1200	68	0.02	381485	99.26
1210	65	0.02	381550	99.27
1220	67	0.02	381617	99.29
1230	64	0.02	381681	99.31
1240	58	0.02	381739	99.32
1250	68	0.02	381807	99.34
1260	66	0.02	381873	99.36
1270	58	0.02	381931	99.37
1280	47	0.01	381978	99.38
1290	49	0.01	382027	99.40
1300	52	0.01	382079	99.41
1310	52	0.01	382131	99.42
1320	64	0.02	382195	99.44
1330	53	0.01	382248	99.45
1340	46	0.01	382294	99.47
1350	51	0.01	382345	99.48
1360	58	0.02	382403	99.50
1370	46	0.01	382449	99.51
1380	58	0.02	382507	99.52
1390	52	0.01	382559	99.54
1400	43	0.01	382602	99.55
1410	48	0.01	382650	99.56
1420	45	0.01	382695	99.57
1430	38	0.01	382733	99.58
1440	41	0.01	382774	99.59
1450	47	0.01	382821	99.60
1460	43	0.01	382864	99.62
1470	36	0.01	382900	99.62
1480	41	0.01	382941	99.64
1490	31	0.01	382972	99.64

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1500	42	0.01	383014	99.65
1510	37	0.01	383051	99.66
1520	40	0.01	383091	99.67
1530	23	0.01	383114	99.68
1540	26	0.01	383140	99.69
1550	33	0.01	383173	99.70
1560	23	0.01	383196	99.70
1570	44	0.01	383240	99.71
1580	30	0.01	383270	99.72
1590	28	0.01	383298	99.73
1600	32	0.01	383330	99.74
1610	28	0.01	383358	99.74
1620	19	0.00	383377	99.75
1630	30	0.01	383407	99.76
1640	21	0.01	383428	99.76
1650	31	0.01	383459	99.77
1660	16	0.00	383475	99.77
1670	18	0.00	383493	99.78
1680	18	0.00	383511	99.78
1690	30	0.01	383541	99.79
1700	19	0.00	383560	99.80
1710	25	0.01	383585	99.80
1720	23	0.01	383608	99.81
1730	14	0.00	383622	99.81
1740	24	0.01	383646	99.82
1750	15	0.00	383661	99.82
1760	16	0.00	383677	99.83
1770	17	0.00	383694	99.83
1780	15	0.00	383709	99.84
1790	15	0.00	383724	99.84
1800	9	0.00	383733	99.84
1810	10	0.00	383743	99.84
1820	14	0.00	383757	99.85
1830	17	0.00	383774	99.85
1840	17	0.00	383791	99.86
1850	16	0.00	383807	99.86
1860	16	0.00	383823	99.86
1870	17	0.00	383840	99.87
1880	16	0.00	383856	99.87
1890	13	0.00	383869	99.88
1900	12	0.00	383881	99.88
1910	13	0.00	383894	99.88
1920	10	0.00	383904	99.89
1930	16	0.00	383920	99.89

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1940	15	0.00	383935	99.89
1950	15	0.00	383950	99.90
1960	13	0.00	383963	99.90
1970	20	0.01	383983	99.91
1980	13	0.00	383996	99.91
1990	15	0.00	384011	99.91
2000	14	0.00	384025	99.92
2010	8	0.00	384033	99.92
2020	7	0.00	384040	99.92
2030	8	0.00	384048	99.92
2040	8	0.00	384056	99.93
2050	5	0.00	384061	99.93
2060	11	0.00	384072	99.93
2070	11	0.00	384083	99.93
2080	9	0.00	384092	99.93
2090	7	0.00	384099	99.94
2100	6	0.00	384105	99.94
2110	9	0.00	384114	99.94
2120	5	0.00	384119	99.94
2130	8	0.00	384127	99.94
2140	9	0.00	384136	99.95
2150	11	0.00	384147	99.95
2160	11	0.00	384158	99.95
2170	5	0.00	384163	99.95
2190	6	0.00	384169	99.95
2200	5	0.00	384174	99.96
2210	5	0.00	384179	99.96
2220	5	0.00	384184	99.96
2230	5	0.00	384189	99.96
2240	4	0.00	384193	99.96
2250	7	0.00	384200	99.96
2260	7	0.00	384207	99.96
2270	7	0.00	384214	99.97
2280	6	0.00	384220	99.97
2290	4	0.00	384224	99.97
2300	4	0.00	384228	99.97
2310	3	0.00	384231	99.97
2320	5	0.00	384236	99.97
2330	2	0.00	384238	99.97
2350	2	0.00	384240	99.97
2360	4	0.00	384244	99.97
2370	3	0.00	384247	99.98
2380	2	0.00	384249	99.98
2390	3	0.00	384252	99.98

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2400	5	0.00	384257	99.98
2410	3	0.00	384260	99.98
2420	4	0.00	384264	99.98
2440	6	0.00	384270	99.98
2450	3	0.00	384273	99.98
2480	1	0.00	384274	99.98
2490	2	0.00	384276	99.98
2500	2	0.00	384278	99.98
2510	2	0.00	384280	99.98
2520	2	0.00	384282	99.98
2530	3	0.00	384285	99.98
2540	2	0.00	384287	99.99
2550	4	0.00	384291	99.99
2560	4	0.00	384295	99.99
2570	1	0.00	384296	99.99
2580	1	0.00	384297	99.99
2590	3	0.00	384300	99.99
2620	2	0.00	384302	99.99
2630	1	0.00	384303	99.99
2650	2	0.00	384305	99.99
2670	2	0.00	384307	99.99
2690	1	0.00	384308	99.99
2720	1	0.00	384309	99.99
2730	1	0.00	384310	99.99
2760	1	0.00	384311	99.99
2770	2	0.00	384313	99.99
2780	1	0.00	384314	99.99
2790	1	0.00	384315	99.99
2820	1	0.00	384316	99.99
2830	1	0.00	384317	99.99
2840	1	0.00	384318	99.99
2870	1	0.00	384319	99.99
2890	1	0.00	384320	99.99
2900	1	0.00	384321	99.99
2910	2	0.00	384323	99.99
2940	1	0.00	384324	100.00
2950	1	0.00	384325	100.00
2970	1	0.00	384326	100.00
2980	1	0.00	384327	100.00
3030	1	0.00	384328	100.00
3080	1	0.00	384329	100.00
3100	1	0.00	384330	100.00
3110	1	0.00	384331	100.00
3130	1	0.00	384332	100.00

The FREQ Procedure

Average Elevation of Crater Rim (in meters)				
DEPTH_METERS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
3140	2	0.00	384334	100.00
3310	1	0.00	384335	100.00
3470	1	0.00	384336	100.00
3600	1	0.00	384337	100.00
3640	1	0.00	384338	100.00
3800	1	0.00	384339	100.00
4010	1	0.00	384340	100.00
4720	1	0.00	384341	100.00
4750	1	0.00	384342	100.00
4950	1	0.00	384343	100.00

The FREQ Procedure

MORPHOLOGY_EJECTA_1				
MORPHOLOGY_EJECTA_1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DLEPC	232	0.52	232	0.52
DLEPC/DLEPCPd	4	0.01	236	0.53
DLEPC/DLEPS	145	0.32	381	0.85
DLEPC/DLEPS/Rd	2	0.00	383	0.86
DLEPC/DLEPSPd	3	0.01	386	0.86
DLEPC/DLEPd	1	0.00	387	0.87
DLEPC/DLERC	11	0.02	398	0.89
DLEPC/DLERC/Rd	1	0.00	399	0.89
DLEPC/DLERS	86	0.19	485	1.09
DLEPC/DLERS/Rd	2	0.00	487	1.09
DLEPC/DLERSRd	1	0.00	488	1.09
DLEPC/DPEPCPd	1	0.00	489	1.10
DLEPC/Rd	3	0.01	492	1.10
DLEPC/Rd/DLEPS	2	0.00	494	1.11
DLEPC/Rd/DLERS	1	0.00	495	1.11
DLEPCPd	7	0.02	502	1.12
DLEPCPd/DLEPC	1	0.00	503	1.13
DLEPCPd/DLEPSPd	1	0.00	504	1.13
DLEPCPd/DLERCPd	1	0.00	505	1.13
DLEPS	534	1.20	1039	2.33
DLEPS/DLEPC	5	0.01	1044	2.34
DLEPS/DLEPCPd	2	0.00	1046	2.34
DLEPS/DLEPSPd	5	0.01	1051	2.36
DLEPS/DLEPd	3	0.01	1054	2.36
DLEPS/DLERS	71	0.16	1125	2.52
DLEPS/DLERS/Rd	3	0.01	1128	2.53
DLEPS/DLRES	1	0.00	1129	2.53
DLEPS/Rd	4	0.01	1133	2.54
DLEPS/Rd/DLEPS	3	0.01	1136	2.55
DLEPSPd	2	0.00	1138	2.55
DLEPd	1	0.00	1139	2.55
DLERC	122	0.27	1261	2.83
DLERC/DLEPC	24	0.05	1285	2.88
DLERC/DLEPC/Rd	1	0.00	1286	2.88
DLERC/DLEPCPd	2	0.00	1288	2.89
DLERC/DLEPS	106	0.24	1394	3.12
DLERC/DLEPSPd	1	0.00	1395	3.13
DLERC/DLEPd	1	0.00	1396	3.13
DLERC/DLERS	110	0.25	1506	3.37
DLERC/DLERS/Rd	3	0.01	1509	3.38
DLERC/DLRPS	1	0.00	1510	3.38
DLERC/Rd	6	0.01	1516	3.40
DLERC/Rd/DLEPC	1	0.00	1517	3.40
DLERC/Rd/DLEPS	4	0.01	1521	3.41

The FREQ Procedure

MORPHOLOGY_EJECTA_1				
MORPHOLOGY_EJECTA_1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
DLERC/Rd/DLERS	3	0.01	1524	3.42
DLERC/Rd/SLERS	1	0.00	1525	3.42
DLERCPd	5	0.01	1530	3.43
DLERCPd/DLEPCPd	1	0.00	1531	3.43
DLERCPd/DLERSPd	1	0.00	1532	3.43
DLERS	1172	2.63	2704	6.06
DLERS/DLEPC	1	0.00	2705	6.06
DLERS/DLEPCPd	1	0.00	2706	6.06
DLERS/DLEPS	20	0.04	2726	6.11
DLERS/DLERC	1	0.00	2727	6.11
DLERS/DLERSRd	2	0.00	2729	6.12
DLERS/Rd	39	0.09	2768	6.20
DLERS/Rd/DLEPS	2	0.00	2770	6.21
DLERS/Rd/DLERS	4	0.01	2774	6.22
DLERSRd	2	0.00	2776	6.22
DLSPC	1	0.00	2777	6.22
MLEPC	2	0.00	2779	6.23
MLEPC/MLEPC/MLEPS	1	0.00	2780	6.23
MLEPC/MLEPS/MLEPS	6	0.01	2786	6.24
MLEPC/MLEPS/MLERS	1	0.00	2787	6.25
MLEPC/MLERC/MLEPS	2	0.00	2789	6.25
MLEPC/MLERC/MLERS	1	0.00	2790	6.25
MLEPC/MLERC/MSLEPS	1	0.00	2791	6.25
MLEPC/MLERS/MLEPS	4	0.01	2795	6.26
MLEPC/MLERS/MLERS	2	0.00	2797	6.27
MLEPC/MLERS/MLERS/Rd	2	0.00	2799	6.27
MLEPS	37	0.08	2836	6.36
MLEPS/MLERS/MLERS	4	0.01	2840	6.36
MLEPS/MLERS/MLERS/MLERS	1	0.00	2841	6.37
MLEPS/MLERSPd/MLERSPd	1	0.00	2842	6.37
MLERC	3	0.01	2845	6.38
MLERC/MLEPS/MLEPS	1	0.00	2846	6.38
MLERC/MLEPS/MLERS	2	0.00	2848	6.38
MLERC/MLERC/MLEPS	5	0.01	2853	6.39
MLERC/MLERS/MLEPS	1	0.00	2854	6.40
MLERC/MLERS/MLERS	10	0.02	2864	6.42
MLERC/MLERS/MLERS/Rd	2	0.00	2866	6.42
MLERS	476	1.07	3342	7.49
MLERS/MLEPC/MLERS	1	0.00	3343	7.49
MLERS/MLERS/MLEPS	2	0.00	3345	7.50
MLERS/MLERS/Rd/MLEPS	1	0.00	3346	7.50
MLERS/MLERS/Rd/MLERS	1	0.00	3347	7.50
MLERS/Rd	10	0.02	3357	7.52
MLERSRd	1	0.00	3358	7.52

The FREQ Procedure

MORPHOLOGY_EJECTA_1				
MORPHOLOGY_EJECTA_1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Pd	2	0.00	3360	7.53
RD/SLEPC	1	0.00	3361	7.53
Rd	24892	55.78	28253	63.31
Rd/DLEPC	32	0.07	28285	63.38
Rd/DLEPC/DLEPS	52	0.12	28337	63.50
Rd/DLEPC/DLEPSPd	1	0.00	28338	63.50
Rd/DLEPC/DLERC	3	0.01	28341	63.51
Rd/DLEPC/DLERS	33	0.07	28374	63.58
Rd/DLEPC/DLERSRd	1	0.00	28375	63.59
Rd/DLEPCS/DLERS	1	0.00	28376	63.59
Rd/DLEPS	137	0.31	28513	63.89
Rd/DLEPS/DLERS	14	0.03	28527	63.93
Rd/DLERC	9	0.02	28536	63.95
Rd/DLERC/DLEPC	3	0.01	28539	63.95
Rd/DLERC/DLEPS	11	0.02	28550	63.98
Rd/DLERC/DLERS	7	0.02	28557	63.99
Rd/DLERC/DLERSRd	1	0.00	28558	64.00
Rd/DLERS	330	0.74	28888	64.74
Rd/DLERS/DLEPS	2	0.00	28890	64.74
Rd/MLEPC	2	0.00	28892	64.74
Rd/MLEPC/MLEPC/MLEPS	1	0.00	28893	64.75
Rd/MLEPC/MLERS/MLERS	4	0.01	28897	64.76
Rd/MLEPC/MLERS/MLERS/MLERS	2	0.00	28899	64.76
Rd/MLEPS	25	0.06	28924	64.82
Rd/MLEPS/MLERS/MLERS	1	0.00	28925	64.82
Rd/MLERC	1	0.00	28926	64.82
Rd/MLERC/MLEPC/MLERS	1	0.00	28927	64.82
Rd/MLERC/MLERS/MLEPC	1	0.00	28928	64.82
Rd/MLERC/MLERS/MLERS	2	0.00	28930	64.83
Rd/MLERS	199	0.45	29129	65.28
Rd/MLERS/Rd	1	0.00	29130	65.28
Rd/SLEPC	242	0.54	29372	65.82
Rd/SLEPC/Rd	1	0.00	29373	65.82
Rd/SLEPCPd	1	0.00	29374	65.82
Rd/SLEPCRd	1	0.00	29375	65.83
Rd/SLEPS	360	0.81	29735	66.63
Rd/SLEPSPd	1	0.00	29736	66.64
Rd/SLEPd	4	0.01	29740	66.64
Rd/SLERC	130	0.29	29870	66.94
Rd/SLERCPd	1	0.00	29871	66.94
Rd/SLERPC	1	0.00	29872	66.94
Rd/SLERS	555	1.24	30427	68.18
Rd/SLERS/Rd	1	0.00	30428	68.19
Rd/SPERS	1	0.00	30429	68.19

The FREQ Procedure

MORPHOLOGY_EJECTA_1				
MORPHOLOGY_EJECTA_1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
SLEPC	2552	5.72	32981	73.91
SLEPC/Rd	46	0.10	33027	74.01
SLEPC/SLEPS	3	0.01	33030	74.02
SLEPCPd	74	0.17	33104	74.18
SLEPCPd/Rd	1	0.00	33105	74.18
SLEPCRd	2	0.00	33107	74.19
SLEPS	4949	11.09	38056	85.28
SLEPS/Rd	47	0.11	38103	85.38
SLEPS/SLERS	2	0.00	38105	85.39
SLEPSPd	51	0.11	38156	85.50
SLEPSPd/Rd	1	0.00	38157	85.51
SLEPSRd	3	0.01	38160	85.51
SLEPd	44	0.10	38204	85.61
SLERC	1216	2.72	39420	88.34
SLERC/Rd	63	0.14	39483	88.48
SLERC/SLEPC	1	0.00	39484	88.48
SLERCPd	10	0.02	39494	88.50
SLERS	4828	10.82	44322	99.32
SLERS/Rd	281	0.63	44603	99.95
SLERS/Rd/SLERS	1	0.00	44604	99.95
SLERSPd	16	0.04	44620	99.99
SLERSRd	4	0.01	44624	100.00
SLErS	1	0.00	44625	100.00

Frequency Missing = 339718

Crater has a classifiable primary morphology (1) or does not (0)				
PRIMARY_MORPHOLOGY	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	339718	88.39	339718	88.39
1	44625	11.61	384343	100.00

The UNIVARIATE Procedure

Variable: LATITUDE_GROUP (Relative Distance from Equator (nearest 10 degrees latitude))

Moments			
N	384343	Sum Weights	384343
Mean	-1.222853	Sum Observations	-469995
Std Deviation	3.37308318	Variance	11.3776902
Skewness	0.1907525	Kurtosis	-0.5394216
Uncorrected SS	4947659	Corrected SS	4372924.19
Coeff Variation	-275.83717	Std Error Mean	0.00544086

Basic Statistical Measures			
Location		Variability	
Mean	-1.22285	Std Deviation	3.37308
Median	-2.00000	Variance	11.37769
Mode	-3.00000	Range	17.00000
		Interquartile Range	5.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-224.754	Pr > |t|	<.0001
Sign	M	-57459.5	Pr >= |M|	<.0001
Signed Rank	S	-1.26E10	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	8
99%	6
95%	5
90%	3
75% Q3	1
50% Median	-2
25% Q1	-4
10%	-6
5%	-7
1%	-8
0% Min	-9

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-9	384316	8	2226
-9	384310	8	3811
-9	384308	8	4622
-9	384301	8	4815
-9	384282	8	6355

The UNIVARIATE Procedure

Variable: NEAREST_LATITUDE (Relative Distance from Equator (nearest 1 degree latitude))

Moments			
N	384343	**Sum Weights**	384343
Mean	-7.6983346	**Sum Observations**	-2958801
Std Deviation	33.6107816	**Variance**	1129.68464
Skewness	0.19148212	**Kurtosis**	-0.5437515
Uncorrected SS	456963095	**Corrected SS**	434185255
Coeff Variation	-436.59809	**Std Error Mean**	0.05421496

Basic Statistical Measures			
Location		**Variability**	
Mean	-7.6983	**Std Deviation**	33.61078
Median	-11.0000	**Variance**	1130
Mode	-22.0000	**Range**	172.00000
		Interquartile Range	48.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	-141.997	**Pr > |t|**	<.0001
Sign	**M**	-42949.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	-9.501E9	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Quantile	**Estimate**
100% Max	85
99%	68
95%	52
90%	38
75% Q3	17
50% Median	-11
25% Q1	-31
10%	-51
5%	-62
1%	-74
0% Min	-87

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-87	373860	84	68
-87	372616	85	78
-86	381586	85	209
-86	381146	85	281
-86	381141	85	3811

The UNIVARIATE Procedure

Variable: APPROX_DIAMETER (Crater Diameter (nearest 1 km))

Moments			
N	384343	**Sum Weights**	384343
Mean	3.18584181	**Sum Observations**	1224456
Std Deviation	8.56024026	**Variance**	73.2777133
Skewness	23.750816	**Kurtosis**	1928.47299
Uncorrected SS	32064626	**Corrected SS**	28163702.9
Coeff Variation	268.696337	**Std Error Mean**	0.01380786

Basic Statistical Measures			
Location		**Variability**	
Mean	3.185842	**Std Deviation**	8.56024
Median	1.000000	**Variance**	73.27771
Mode	1.000000	**Range**	1163
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	230.7266	**Pr > |t|**	<.0001
Sign	**M**	192171.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	3.693E10	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Quantile	**Estimate**
100% Max	1164
99%	37
95%	12
90%	6
75% Q3	2
50% Median	1
25% Q1	1
10%	1
5%	1
1%	1
0% Min	1

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	384343	467	227410
1	384342	512	208706
1	384341	624	188255
1	384340	1096	188254
1	384339	1164	370653

The ANOVA Procedure

Class Level Information		
Class	**Levels**	**Values**
HEMISPHERE	2	0 1

Number of Observations Read	384343
Number of Observations Used	384343

The ANOVA Procedure

Dependent Variable: DIAM_CIRCLE_IMAGE Crater Diameter (in km)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	44732.57	44732.57	606.90	<.0001
Error	384341	28328293.15	73.71		
Corrected Total	384342	28373025.73			

R-Square	Coeff Var	Root MSE	DIAM_CIRCLE_IMAGE Mean
0.001577	241.3828	8.585228	3.556686

Source	DF	Anova SS	Mean Square	F Value	Pr > F
HEMISPHERE	1	44732.57046	44732.57046	606.90	<.0001

The ANOVA Procedure

Level of HEMISPHERE	N	DIAM_CIRCLE_IMAGE	
		Mean	Std Dev
0	233449	3.83096531	9.47716900
1	150894	3.13234787	6.98436108

The ANOVA Procedure

Class Level Information		
Class	**Levels**	**Values**
HEMISPHERE	2	0 1

Number of Observations Read	384343
Number of Observations Used	384343

The ANOVA Procedure

Dependent Variable: DEPTH_RIMFLOOR_TOPOG Average Elevation of Crater Rim (in km)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	22.11186	22.11186	451.15	<.0001
Error	384341	18837.55491	0.04901		
Corrected Total	384342	18859.66676			

R-Square	Coeff Var	Root MSE	DEPTH_RIMFLOOR_TOPOG Mean
0.001172	291.9239	0.221388	0.075838

Source	DF	Anova SS	Mean Square	F Value	Pr > F
HEMISPHERE	1	22.11185935	22.11185935	451.15	<.0001

The ANOVA Procedure

Level of HEMISPHERE	N	DEPTH_RIMFLOOR_TOPOG	
		Mean	Std Dev
0	233449	0.08193563	0.23190747
1	150894	0.06640317	0.20404722

The ANOVA Procedure

Class Level Information		
Class	**Levels**	**Values**
LATITUDE_GROUP	18	-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

Number of Observations Read	384343
Number of Observations Used	384343

The ANOVA Procedure

Dependent Variable: DIAM_CIRCLE_IMAGE Crater Diameter (in km)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	124292.20	7311.31	99.47	<.0001
Error	384325	28248733.53	73.50		
Corrected Total	384342	28373025.73			

R-Square	Coeff Var	Root MSE	DIAM_CIRCLE_IMAGE Mean
0.004381	241.0486	8.573342	3.556686

Source	DF	Anova SS	Mean Square	F Value	Pr > F
LATITUDE_GROUP	17	124292.1958	7311.3056	99.47	<.0001

The ANOVA Procedure

Duncan's Multiple Range Test for DIAM_CIRCLE_IMAGE

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	384325
Error Mean Square	73.5022
Harmonic Mean of Cell Sizes	705.6669

Note: Cell sizes are not equal.

Number of Means	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Critical Range	0.895	0.942	0.974	0.997	1.015	1.030	1.043	1.054	1.063	1.071	1.079	1.085	1.091	1.097

16	**17**	**18**
1.102	1.106	1.111

Means with the same letter are not significantly different.					
Duncan Grouping			**Mean**	**N**	**LATITUDE_GROUP**
	A		11.2684	44	8
	B		5.0076	18758	-6
	B				
	B		4.9270	631	-9
	B				
C	B		4.8263	13528	-7
C	B				
C	B	D	4.3694	6983	-8
C	B	D			
C	B	D	4.3176	25392	-5
C		D			
C	E	D	3.8681	34576	-4
	E	D			
F	E	D	3.4729	46156	-2
F	E	D			
F	E	D	3.4511	46503	-3
F	E	D			

The ANOVA Procedure

Duncan's Multiple Range Test for DIAM_CIRCLE_IMAGE

Note: Cell sizes are not equal.

Means with the same letter are not significantly different.					
Duncan Grouping			Mean	N	LATITUDE_GROUP
F	E	D	3.3732	32364	0
F	E	D			
F	E	D	3.3559	40922	-1
F	E				
F	E		3.2558	30414	1
F	E				
F	E		3.1461	2780	7
F	E				
F	E		3.1058	28990	2
F	E				
F	E		3.0962	23365	3
F	E				
F	E		3.0014	14162	4
F					
F			2.7450	10800	5
F					
F			2.5939	7975	6

The ANOVA Procedure

Class Level Information		
Class	**Levels**	**Values**
LATITUDE_GROUP	18	-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8

Number of Observations Read	384343
Number of Observations Used	384343

The ANOVA Procedure

Dependent Variable: DEPTH_RIMFLOOR_TOPOG Average Elevation of Crater Rim (in km)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	17	115.97176	6.82187	139.88	<.0001
Error	384325	18743.69500	0.04877		
Corrected Total	384342	18859.66676			

R-Square	Coeff Var	Root MSE	DEPTH_RIMFLOOR_TOPOG Mean
0.006149	291.2018	0.220840	0.075838

Source	DF	Anova SS	Mean Square	F Value	Pr > F
LATITUDE_GROUP	17	115.9717621	6.8218684	139.88	<.0001

The ANOVA Procedure

Duncan's Multiple Range Test for DEPTH_RIMFLOOR_TOPOG

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	384325
Error Mean Square	0.04877
Harmonic Mean of Cell Sizes	705.6669

Note: Cell sizes are not equal.

Number of Means	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Critical Range	.02304	.02426	.02508	.02568	.02616	.02654	.02687	.02714	.02739	.02760	.02779	.02796

14	**15**	**16**	**17**	**18**
.02811	.02825	.02838	.02850	.02861

Means with the same letter are not significantly different.

Duncan Grouping		**Mean**	**N**	**LATITUDE_GROUP**
	A	0.17977	44	8
	B	0.08874	46156	-2
	B			
	B	0.08562	30414	1
	B			
	B	0.08516	46503	-3
	B			
	B	0.08371	32364	0
	B			
	B	0.08351	34576	-4
	B			
	B	0.08255	40922	-1
	B			
	B	0.07934	28990	2
	B			
	B	0.07873	18758	-6
	B			

The ANOVA Procedure

Duncan's Multiple Range Test for DEPTH_RIMFLOOR_TOPOG

Note: Cell sizes are not equal.

Means with the same letter are not significantly different.				
Duncan Grouping		Mean	N	LATITUDE_GROUP
	B	0.07715	13528	-7
	B			
	B	0.07162	25392	-5
	B			
C	B	0.06306	6983	-8
C	B			
C	B	0.06151	23365	3
C				
C	D	0.04242	631	-9
	D			
	D	0.03544	14162	4
	D			
	D	0.02815	2780	7
	D			
	D	0.02109	7975	6
	D			
	D	0.01973	10800	5

The FREQ Procedure

Table of PRIMARY_MORPHOLOGY by HEMISPHERE				
		HEMISPHERE(Hemisphere with respect to equator (0=South, 1=North))		
		0	1	Total
PRIMARY_MORPHOLOGY(Crater has a classifiable primary morphology (1) or does not (0))				
0	Frequency	207584	132134	339718
	Percent	54.01	34.38	88.39
	Row Pct	61.10	38.90	
	Col Pct	88.92	87.57	
1	Frequency	25865	18760	44625
	Percent	6.73	4.88	11.61
	Row Pct	57.96	42.04	
	Col Pct	11.08	12.43	
Total	Frequency	233449	150894	384343
	Percent	60.74	39.26	100.00

Statistics for Table of PRIMARY_MORPHOLOGY by HEMISPHERE

Statistic	DF	Value	Prob
Chi-Square	1	163.5012	<.0001
Likelihood Ratio Chi-Square	1	162.4070	<.0001
Continuity Adj. Chi-Square	1	163.3693	<.0001
Mantel-Haenszel Chi-Square	1	163.5007	<.0001
Phi Coefficient		0.0206	
Contingency Coefficient		0.0206	
Cramer's V		0.0206	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	207584
Left-sided Pr <= F	1.0000
Right-sided Pr >= F	1.794E-37
Table Probability (P)	2.516E-38
Two-sided Pr <= P	3.441E-37

Sample Size = 384343

The CORR Procedure

3 Variables:	DIAM_CIRCLE_IMAGE DEPTH_RIMFLOOR_TOPOG LATITUDE_CIRCLE_IMAGE

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
DIAM_CIRCLE_IMAGE	384343	3.55669	8.59199	1366988	1.00000	1164	Crater Diameter (in km)
DEPTH_RIMFLOOR_TOPOG	384343	0.07584	0.22152	29148	-0.42000	4.95000	Average Elevation of Crater Rim (in km)
LATITUDE_CIRCLE_IMAGE	384343	-7.19921	33.60897	-2766965	-86.70000	85.70200	Latitude of Crater Center

Pearson Correlation Coefficients, N = 384343
Prob > |r| under H0: Rho=0

	DIAM_CIRCLE_IMAGE	DEPTH_RIMFLOOR_TOPOG
DIAM_CIRCLE_IMAGE	1.00000	0.58671
Crater Diameter (in km)		<.0001
DEPTH_RIMFLOOR_TOPOG	0.58671	1.00000
Average Elevation of Crater Rim (in km)	<.0001	
LATITUDE_CIRCLE_IMAGE	-0.05794	-0.04288
Latitude of Crater Center	<.0001	<.0001

Pearson Correlation Coefficients, N = 384343
Prob > |r| under H0: Rho=0

LATITUDE_CIRCLE_IMAGE
-0.05794
<.0001
-0.04288
<.0001
1.00000