The UNIVARIATE Procedure

Variable: NEAREST_LATITUDE (Latitude of Crater Center (nearest whole degree))

Moments				
N	384343	Sum Weights	384343	
Mean	28.0038585	Sum Observations	10763087	
Std Deviation	19.2110013	Variance	369.062573	
Skewness	0.58879073	Kurtosis	-0.4734733	
Uncorrected SS	443254213	Corrected SS	141846247	
Coeff Variation	68.6012655	Std Error Mean	0.03098778	

	Basic Statistical Measures				
Loc	Location Variability				
Mean	28.00386	Std Deviation	19.21100		
Median	25.00000	Variance	369.06257		
Mode	21.00000	Range	86.00000		
		Interquartile Range	28.00000		

Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t	903.7064	Pr:	> 1	:	<.0001
Sign	M	188565				
Signed Rank	S	3.556E10	Pr:	>=	ISI	<.0001

Quantiles (Definition 5)			
Quantile	Estimate		
100% Max	86		
99%	74		
95%	65		
90%	57		
75% Q3	41		
50% Median	25		
25% Q1	13		
10%	5		
5%	2		
1%	0		
0% Min	0		

Extreme Observations				
Lowest		Highest		
Value	Obs	Value	Obs	
0	284438	85	381141	
0	284323	85	381146	
0	284280	85	381586	
0	284230	86	372616	
0	284074	86	373860	

The UNIVARIATE Procedure

Variable: DIAM_CIRCLE_IMAGE (Crater Diameter (in km))

Moments					
N	384343	Sum Weights	384343		
Mean	3.5566864	Sum Observations	1366987.52		
Std Deviation	8.59199277	Variance	73.8223398		
Skewness	23.5265097	Kurtosis	1901.06622		
Uncorrected SS	33234971.6	Corrected SS	28373025.7		
Coeff Variation	241.572965	Std Error Mean	0.01385908		

Basic Statistical Measures					
Loc	Location Variability				
Mean	3.556686	Std Deviation	8.59199		
Median	1.530000	Variance	73.82234		
Mode	1.010000	Range	1163		
		Interquartile Range	1.37000		

Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t	256.6322	Pr > t	<.0001
		192171.5		
Signed Rank	S	3.693E10	Pr >= S	<.0001

Quantiles (Definition 5)				
Quantile	Estimate			
100% Max	1164.22			
99%	37.69			
95%	12.56			
90%	6.30			
75% Q3	2.55			
50% Median	1.53			
25% Q1	1.18			
10%	1.06			
5%	1.03			
1%	1.01			
0% Min	1.00			

Extreme Observations				
Lowest		Highest		
Value	Obs	Value		
1	384343	467.25	227410	
1	384342	512.75	208706	
1	384341	624.50	188255	
1	384340	1096.65	188254	
1	384339	1164.22	370653	

The UNIVARIATE Procedure

Variable: DEPTH_METERS (Average Elevation of Crater Rim (in meters))

Moments					
N	384343	Sum Weights	384343		
Mean	75.8375462	Sum Observations	29147630		
Std Deviation	221.517522	Variance	49070.0126		
Skewness	4.43316605	Kurtosis	26.744416		
Uncorrected SS	2.10702E10	Corrected SS	1.88597E10		
Coeff Variation	292.094791	Std Error Mean	0.35731282		

	Basic Statistical Measures				
Loc	Location Variability				
Mean	75.83755	Std Deviation	221.51752		
Median	0.00000	Variance	49070		
Mode	0.00000	Range	5370		
		Interquartile Range	0		

Tests for Location: Mu0=0						
Test	Statistic		p Value			
Student's t	t	212.2441	Pr >	· t	<.0001	
Sign	M				<.0001	
Signed Rank	S	1.4751E9	Pr >	·= S	<.0001	

Quantiles (Definition 5)				
Quantile	Estimate			
100% Max	4950			
99%	1090			
95%	520			
90%	260			
75% Q3	0			
50% Median	0			
25% Q1	0			
10%	0			
5%	0			
1%	0			
0% Min	-420			

Extreme Observations							
Lo	west	Highest					
Value	Obs	Value	Obs				
-420	316611	3800	173703				
-30	151626	4010	173715				
-30	28970	4720	266814				
-20	331364	4750	173759				
-20	331193	4950	173697				