

Onshore Grab Sample

Sample: NA-06-SS
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Nassau
Latitude: 30° 38' 17.9"
Longitude: 81° 26' 9.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	43.841 grams
Total Fines in Sample	0.169 grams
Total Percent Fines	0.38 %

Dry Sieving Summary

Total Sample Weight	43.596 grams
Total Digested Weight	39.678 grams
Total Carbonate Weight	3.918 grams
Total Silica %	91.01 %
Total Carbonate %	8.99 %
Carbonate/Silica Ratio	0.099

General Comments:

None

Description

Worked By: C. Fischler
Reviewed and Edited By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-06-SS

Total Sample Mass: 43.596 grams

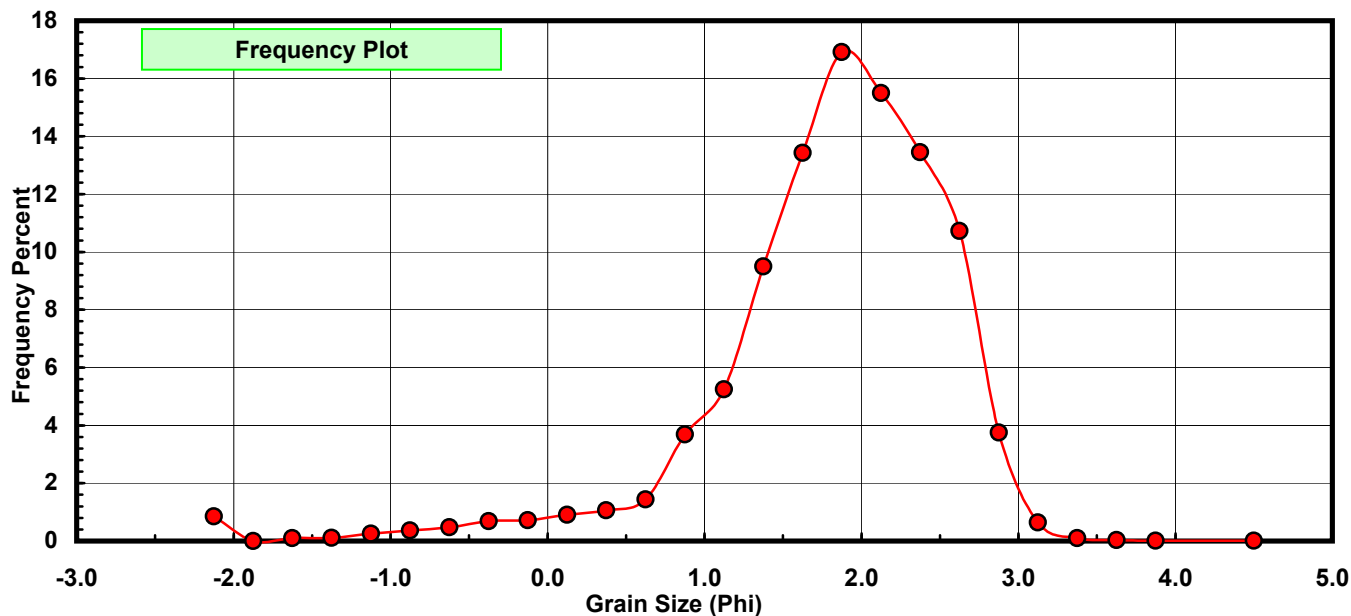
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.374	0.858	0.858
-1.75	-1.875	0.000	0.000	0.858
-1.50	-1.625	0.043	0.099	0.957
-1.25	-1.375	0.047	0.108	1.064
-1.00	-1.125	0.111	0.255	1.319
-0.75	-0.875	0.158	0.362	1.681
-0.50	-0.625	0.207	0.475	2.156
-0.25	-0.375	0.300	0.688	2.844
0.00	-0.125	0.314	0.720	3.565
0.25	0.125	0.397	0.911	4.475
0.50	0.375	0.461	1.057	5.533
0.75	0.625	0.629	1.443	6.975
1.00	0.875	1.606	3.684	10.659
1.25	1.125	2.287	5.246	15.905
1.50	1.375	4.143	9.503	25.408
1.75	1.625	5.855	13.430	38.838
2.00	1.875	7.376	16.919	55.757
2.25	2.125	6.756	15.497	71.254
2.50	2.375	5.866	13.455	84.710
2.75	2.625	4.678	10.730	95.440
3.00	2.875	1.637	3.755	99.195
3.25	3.125	0.278	0.638	99.833
3.50	3.375	0.045	0.103	99.936
3.75	3.625	0.016	0.037	99.972
4.00	3.875	0.006	0.014	99.986
5.00	4.500	0.006	0.014	100.000

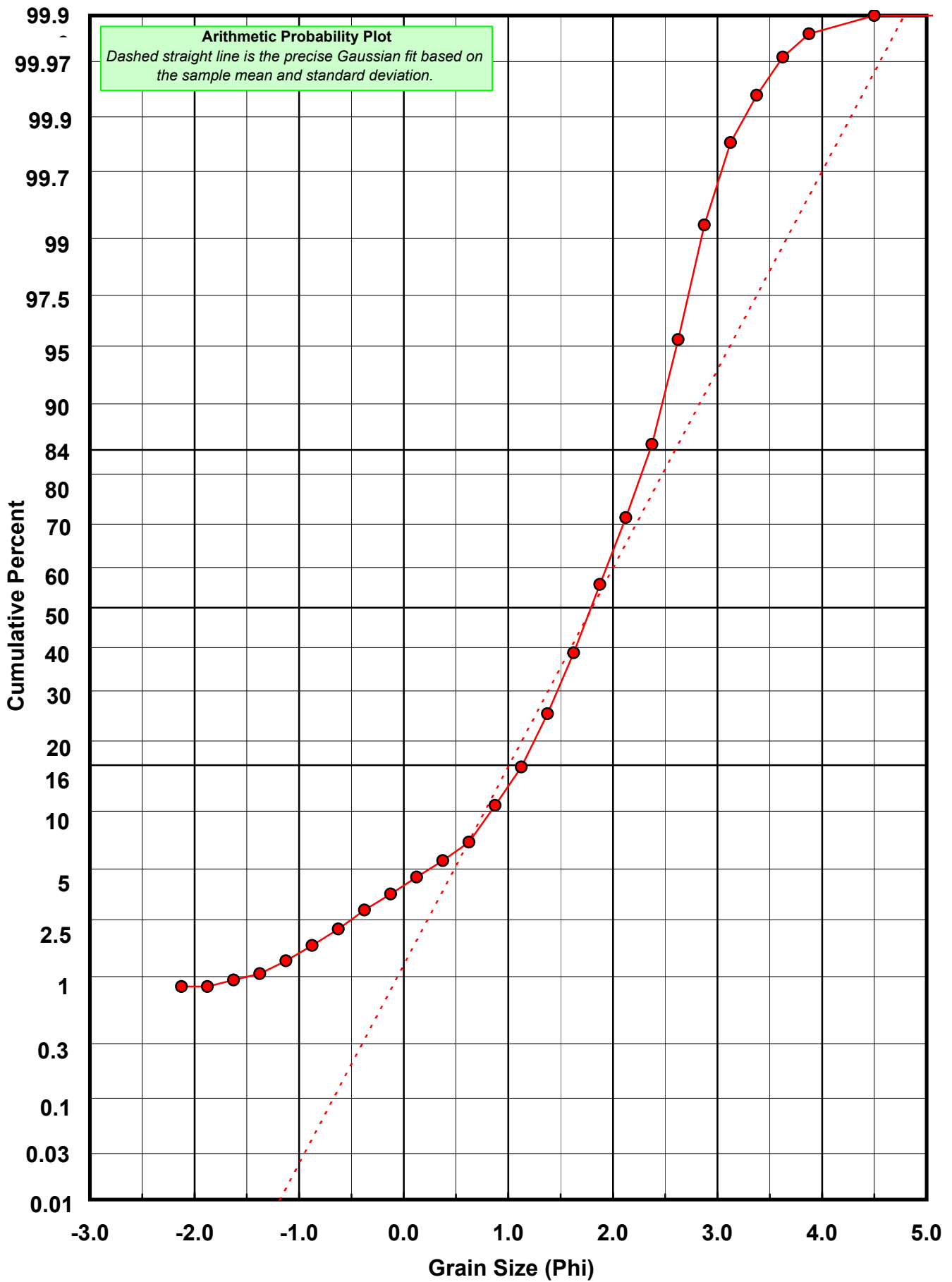
Statistical Results			
Mean:	1.8021	phi	(0.2868 mm)
Standard Dev:	0.8017	phi-units	(0.5737 mm)
Skewness:	-1.8018	dimensionless	
Kurtosis:	8.4701	dimensionless	
5th Moment:	-33.6336	dimensionless	
6th Moment:	153.3250	dimensionless	
RARD *	0.4448	dimensionless	
Median	1.7899	phi	(0.2892 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation
Calculations based on the Method of Moments
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0
For Further Explanation, See Calculation Sheets
Millimeter data calculated by $mm = 2^{(-phi)}$

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)





Carbonate Grain Size Distribution

Onshore Grab Sample

Sample: NA-06-SS

Total Carbonate Mass: 4.022 grams

% Carbonate: 9.0 %

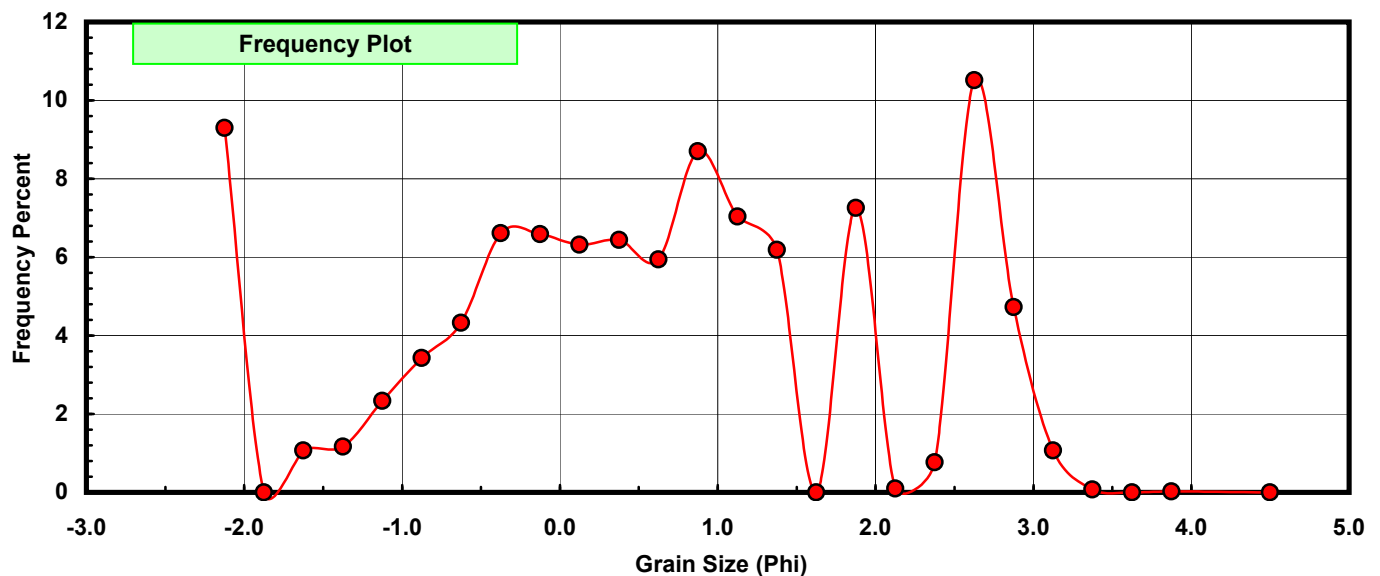
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.374	9.299	9.299
-1.75	-1.875	0.000	0.000	9.299
-1.50	-1.625	0.043	1.069	10.368
-1.25	-1.375	0.047	1.169	11.537
-1.00	-1.125	0.094	2.337	13.874
-0.75	-0.875	0.138	3.431	17.305
-0.50	-0.625	0.174	4.326	21.631
-0.25	-0.375	0.266	6.614	28.245
0.00	-0.125	0.265	6.589	34.833
0.25	0.125	0.254	6.315	41.149
0.50	0.375	0.259	6.440	47.588
0.75	0.625	0.239	5.942	53.531
1.00	0.875	0.350	8.702	62.233
1.25	1.125	0.283	7.036	69.269
1.50	1.375	0.249	6.191	75.460
1.75	1.625	0.000	0.000	75.460
2.00	1.875	0.292	7.260	82.720
2.25	2.125	0.004	0.099	82.819
2.50	2.375	0.031	0.771	83.590
2.75	2.625	0.423	10.517	94.107
3.00	2.875	0.190	4.724	98.831
3.25	3.125	0.043	1.069	99.901
3.50	3.375	0.003	0.075	99.975
3.75	3.625	0.000	0.000	99.975
4.00	3.875	0.001	0.025	100.000
5.00	4.500	0.000	0.000	100.000

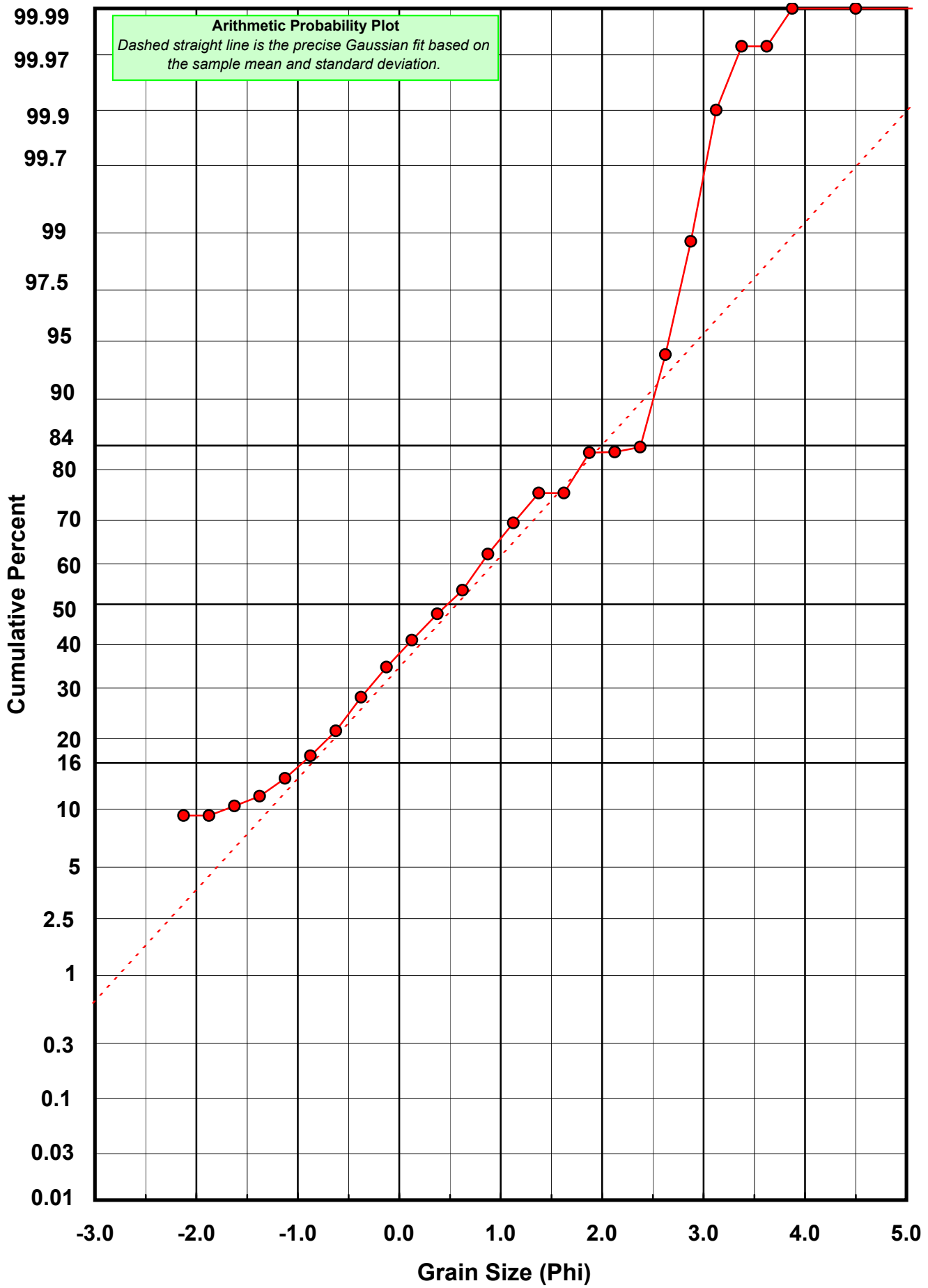
Statistical Results			
Mean:	0.5675	phi	(0.6748 mm)
Standard Dev:	1.4395	phi-units	(0.3687 mm)
Skewness:	-0.1430	dimensionless	
Kurtosis:	2.3031	dimensionless	
5th Moment:	-0.9545	dimensionless	
6th Moment:	6.4887	dimensionless	
RARD *	2.5366	dimensionless	
Median	0.4765	phi	(0.7187 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Calculation Sheets	
Millimeter data calculated by $mm = 2^{(-phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)





Post-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-06-SS

Total Digested Mass: 39.670 grams

% Silica: 91.0 %

Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.017	0.043	0.043
-0.75	-0.875	0.020	0.050	0.093
-0.50	-0.625	0.033	0.083	0.176
-0.25	-0.375	0.034	0.086	0.262
0.00	-0.125	0.049	0.124	0.386
0.25	0.125	0.143	0.360	0.746
0.50	0.375	0.202	0.509	1.255
0.75	0.625	0.390	0.983	2.238
1.00	0.875	1.256	3.166	5.405
1.25	1.125	2.004	5.052	10.456
1.50	1.375	3.894	9.816	20.272
1.75	1.625	5.956	15.014	35.286
2.00	1.875	7.084	17.857	53.143
2.25	2.125	6.752	17.020	70.164
2.50	2.375	5.835	14.709	84.873
2.75	2.625	4.255	10.726	95.599
3.00	2.875	1.447	3.648	99.246
3.25	3.125	0.235	0.592	99.839
3.50	3.375	0.042	0.106	99.945
3.75	3.625	0.017	0.043	99.987
4.00	3.875	0.005	0.013	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	1.9265	phi	(0.2631 mm)
Standard Dev:	0.5630	phi-units	(0.6769 mm)
Skewness:	-0.6013	dimensionless	
Kurtosis:	4.0673	dimensionless	
5th Moment:	-9.5104	dimensionless	
6th Moment:	45.8615	dimensionless	
RARD *	0.2923	dimensionless	
Median	1.8310	phi	(0.2811 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Calculation Sheets	
Millimeter data calculated by $mm = 2^{(-phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)

