

Onshore Grab Sample

Sample: NA-07-SS
Sample Taken By: J. Ladner
Sample Collected On: 12/4/02
Splits? N/A

County: Nassau
Latitude: 30° 37' 25.6"
Longitude: 81° 26' 18.7"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.538 grams
Total Fines in Sample	0.249 grams
Total Percent Fines	0.50 %

Dry Sieving Summary

Total Sample Weight	49.289 grams
Total Digested Weight	47.350 grams
Total Carbonate Weight	1.939 grams
Total Silica %	96.07 %
Total Carbonate %	3.93 %
Carbonate/Silica Ratio	0.041

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: NA-07-SS

Total Sample Mass: 49.289 grams

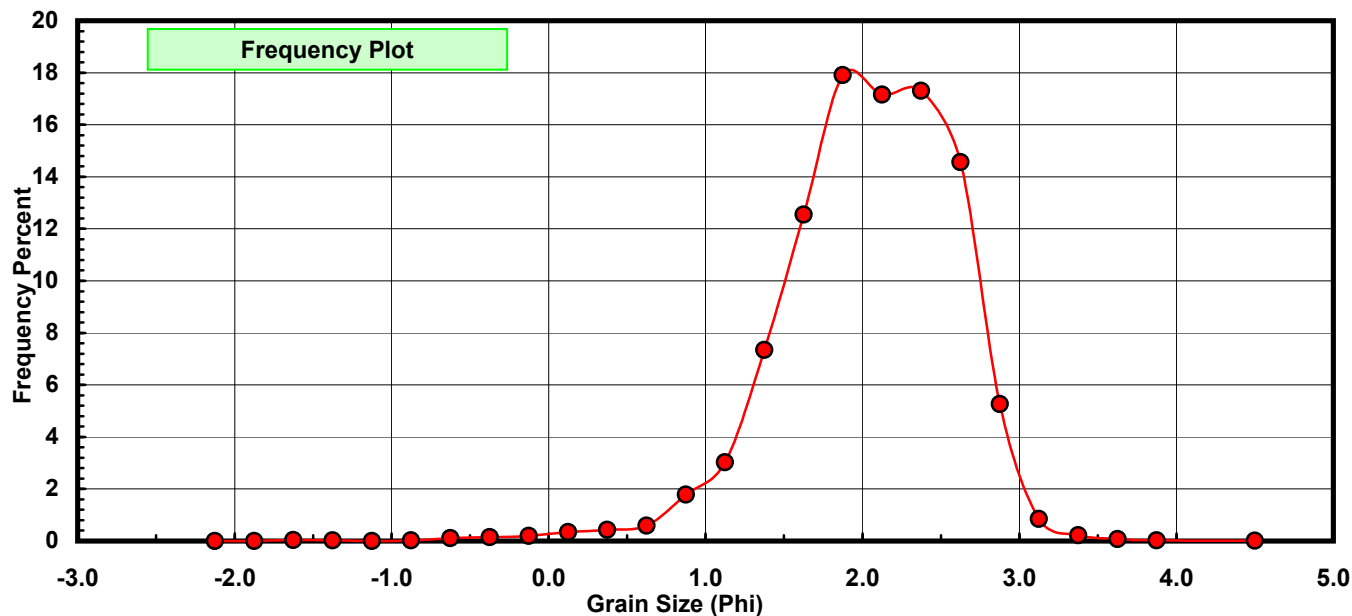
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.017	0.034	0.034
-1.25	-1.375	0.010	0.020	0.055
-1.00	-1.125	0.000	0.000	0.055
-0.75	-0.875	0.011	0.022	0.077
-0.50	-0.625	0.054	0.110	0.187
-0.25	-0.375	0.073	0.148	0.335
0.00	-0.125	0.100	0.203	0.538
0.25	0.125	0.170	0.345	0.883
0.50	0.375	0.215	0.436	1.319
0.75	0.625	0.288	0.584	1.903
1.00	0.875	0.881	1.787	3.690
1.25	1.125	1.492	3.027	6.718
1.50	1.375	3.618	7.340	14.058
1.75	1.625	6.184	12.546	26.604
2.00	1.875	8.827	17.909	44.513
2.25	2.125	8.458	17.160	61.673
2.50	2.375	8.531	17.308	78.981
2.75	2.625	7.179	14.565	93.546
3.00	2.875	2.593	5.261	98.807
3.25	3.125	0.421	0.854	99.661
3.50	3.375	0.110	0.223	99.884
3.75	3.625	0.039	0.079	99.963
4.00	3.875	0.013	0.026	99.990
5.00	4.500	0.005	0.010	100.000

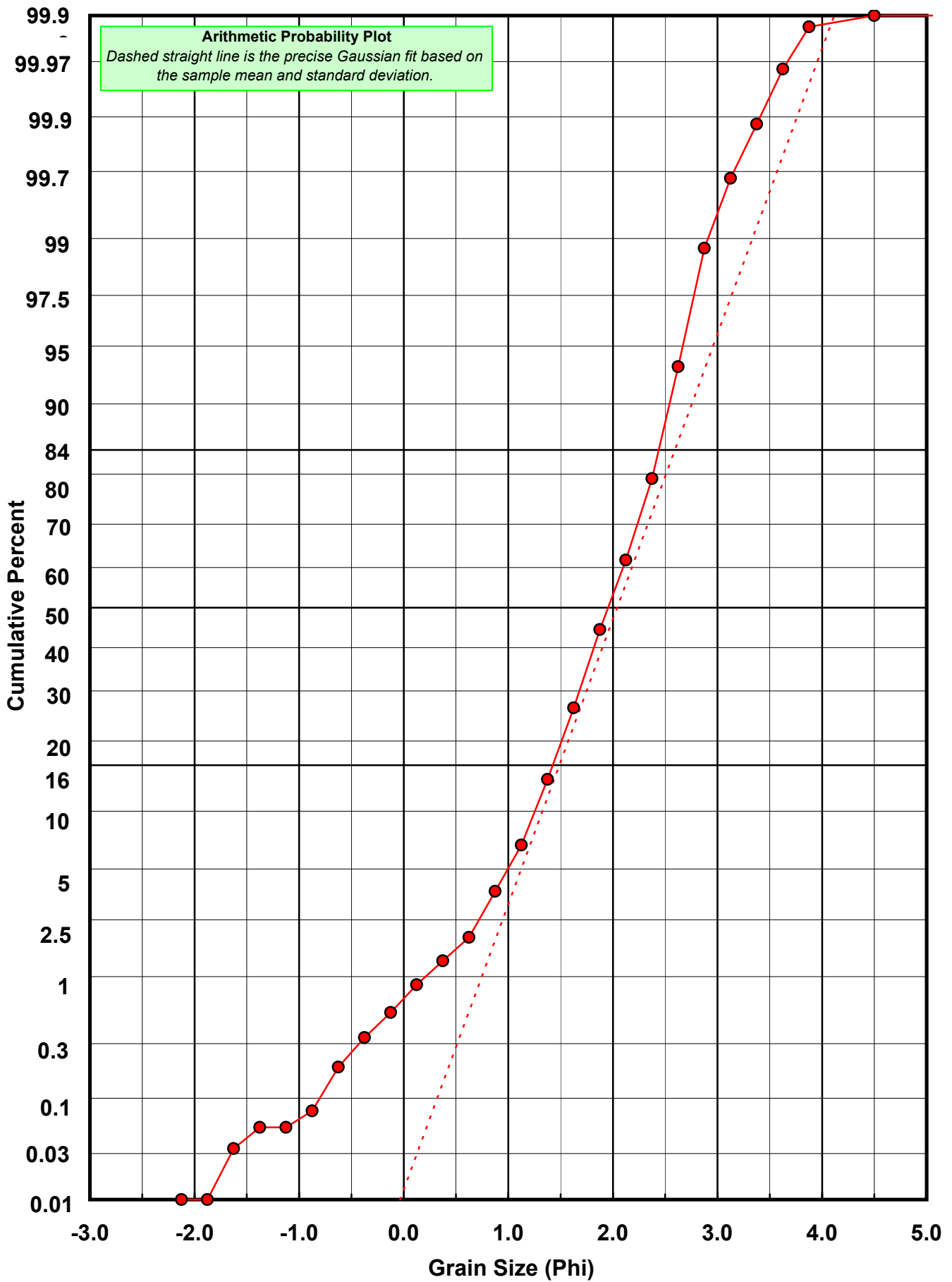
Statistical Results			
Mean:	2.0414	phi	(0.2429 mm)
Standard Dev:	0.5575	phi-units	(0.6795 mm)
Skewness:	-0.8766	dimensionless	
Kurtosis:	5.3679	dimensionless	
5th Moment:	-17.2047	dimensionless	
6th Moment:	90.8254	dimensionless	
RARD *	0.2731	dimensionless	
Median	1.9549	phi	(0.2579 mm)

* 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-07-SS

Total Carbonate Mass: 2.148 grams

% Carbonate: 3.9 %

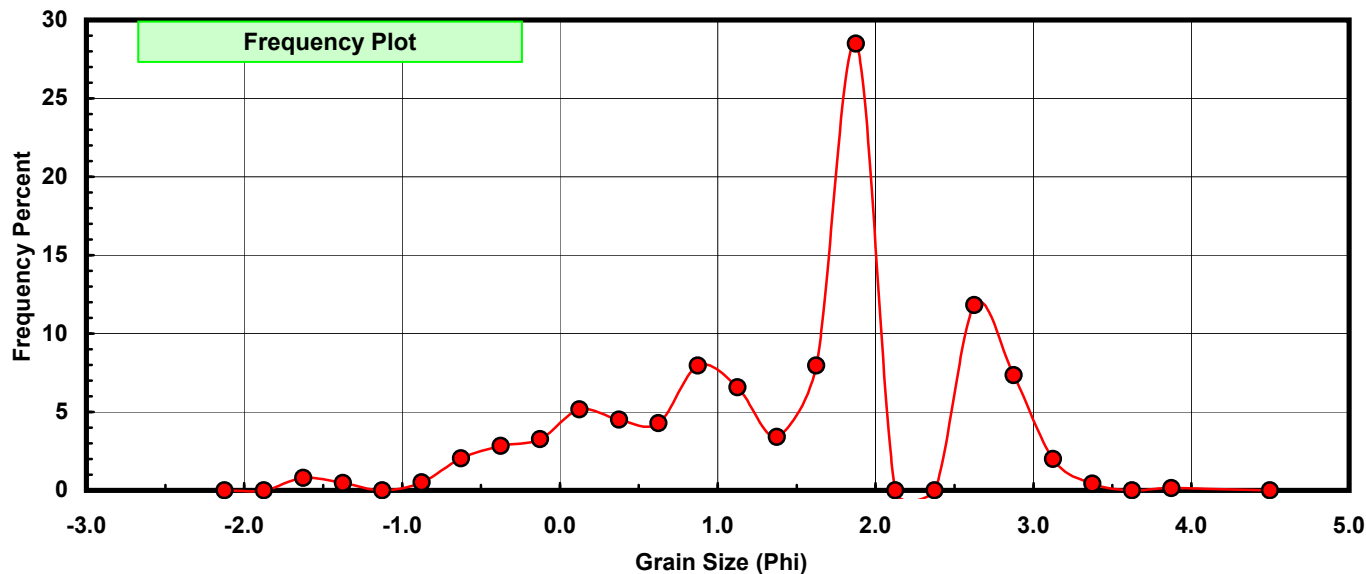
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.017	0.791	0.791
-1.25	-1.375	0.010	0.466	1.257
-1.00	-1.125	0.000	0.000	1.257
-0.75	-0.875	0.011	0.512	1.769
-0.50	-0.625	0.044	2.048	3.818
-0.25	-0.375	0.061	2.840	6.657
0.00	-0.125	0.070	3.259	9.916
0.25	0.125	0.111	5.168	15.084
0.50	0.375	0.097	4.516	19.600
0.75	0.625	0.092	4.283	23.883
1.00	0.875	0.171	7.961	31.844
1.25	1.125	0.141	6.564	38.408
1.50	1.375	0.073	3.399	41.806
1.75	1.625	0.171	7.961	49.767
2.00	1.875	0.612	28.492	78.259
2.25	2.125	0.000	0.000	78.259
2.50	2.375	0.000	0.000	78.259
2.75	2.625	0.254	11.825	90.084
3.00	2.875	0.158	7.356	97.439
3.25	3.125	0.043	2.002	99.441
3.50	3.375	0.009	0.419	99.860
3.75	3.625	0.000	0.000	99.860
4.00	3.875	0.003	0.140	100.000
5.00	4.500	0.000	0.000	100.000

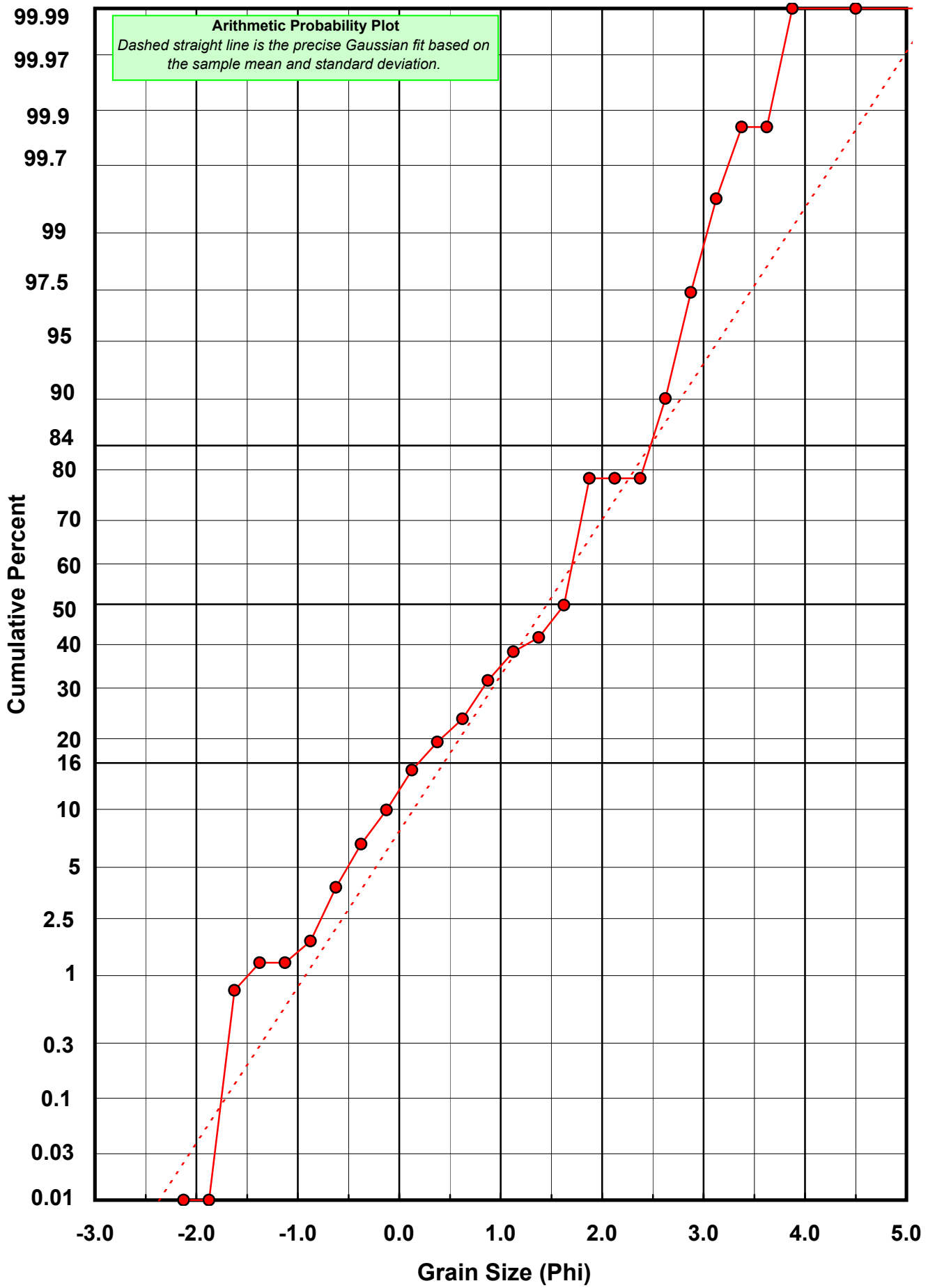
Statistical Results			
Mean:	1.4567	phi	(0.3643 mm)
Standard Dev:	1.0272	phi-units	(0.4907 mm)
Skewness:	-0.5079	dimensionless	
Kurtosis:	2.7967	dimensionless	
5th Moment:	-3.7150	dimensionless	
6th Moment:	13.1510	dimensionless	
RARD *	0.7052	dimensionless	
Median	1.6270	phi	(0.3238 mm)

* 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-07-SS

Total Digested Mass: 47.346 grams

% Silica: 96.1 %

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	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.010	0.021	0.021
-0.25	-0.375	0.012	0.025	0.046
0.00	-0.125	0.030	0.063	0.110
0.25	0.125	0.059	0.125	0.234
0.50	0.375	0.118	0.249	0.484
0.75	0.625	0.196	0.414	0.898
1.00	0.875	0.710	1.500	2.397
1.25	1.125	1.351	2.853	5.251
1.50	1.375	3.545	7.487	12.738
1.75	1.625	6.013	12.700	25.438
2.00	1.875	8.215	17.351	42.789
2.25	2.125	8.667	18.306	61.095
2.50	2.375	8.532	18.021	79.115
2.75	2.625	6.925	14.626	93.742
3.00	2.875	2.435	5.143	98.885
3.25	3.125	0.378	0.798	99.683
3.50	3.375	0.101	0.213	99.897
3.75	3.625	0.039	0.082	99.979
4.00	3.875	0.010	0.021	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.0680	phi	(0.2385 mm)
Standard Dev:	0.5077	phi-units	(0.7033 mm)
Skewness:	-0.4580	dimensionless	
Kurtosis:	3.4916	dimensionless	
5th Moment:	-5.8949	dimensionless	
6th Moment:	29.8334	dimensionless	
RARD *	0.2455	dimensionless	
Median	1.9735	phi	(0.2546 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)

