

Onshore Grab Sample

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

County: Duval
Latitude: 30° 19' 6.0"
Longitude: 81° 23' 35.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	50.256 grams
Total Fines in Sample	0.509 grams
Total Percent Fines	1.00 %

Dry Sieving Summary

Total Sample Weight	49.698 grams
Total Digested Weight	48.915 grams
Total Carbonate Weight	0.783 grams
Total Silica %	98.42 %
Total Carbonate %	1.58 %
Carbonate/Silica Ratio	0.016

General Comments:

None

Description

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

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DU-06-MB

Total Sample Mass: 49.698 grams

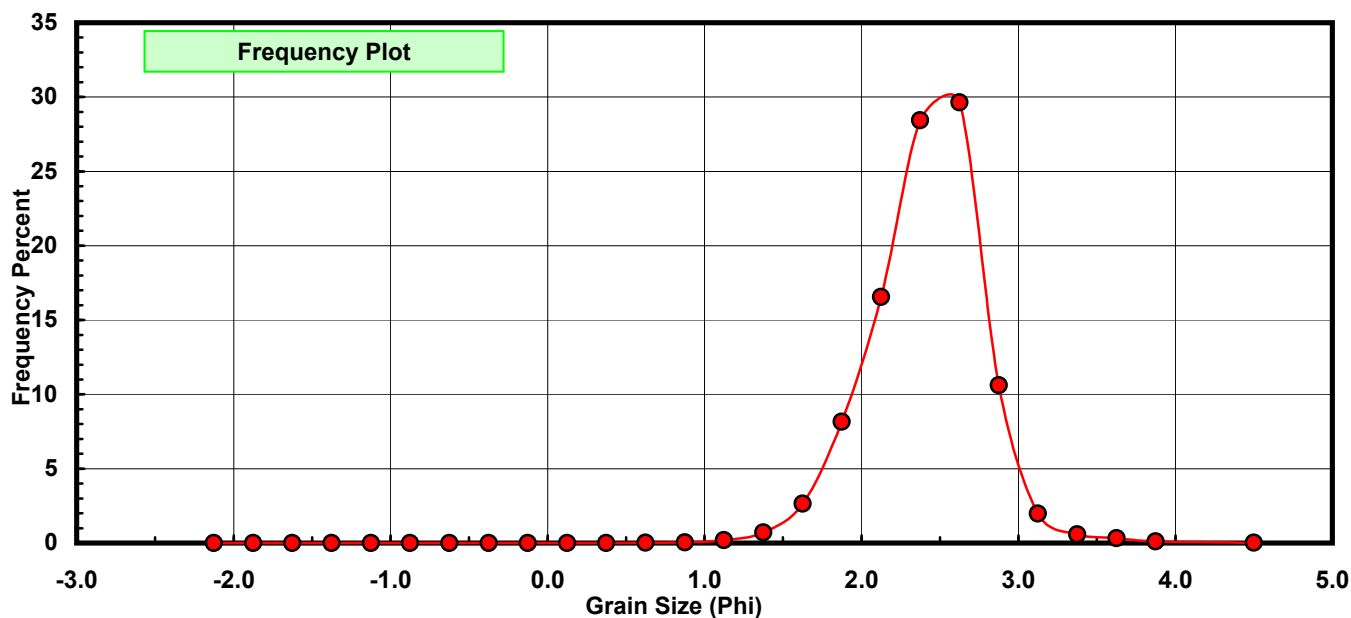
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.006	0.006
0.00	-0.125	0.000	0.000	0.006
0.25	0.125	0.000	0.000	0.006
0.50	0.375	0.002	0.004	0.010
0.75	0.625	0.008	0.016	0.026
1.00	0.875	0.023	0.046	0.072
1.25	1.125	0.095	0.191	0.264
1.50	1.375	0.354	0.712	0.976
1.75	1.625	1.312	2.640	3.616
2.00	1.875	4.053	8.155	11.771
2.25	2.125	8.230	16.560	28.331
2.50	2.375	14.130	28.432	56.763
2.75	2.625	14.729	29.637	86.400
3.00	2.875	5.276	10.616	97.016
3.25	3.125	0.979	1.970	98.986
3.50	3.375	0.284	0.571	99.557
3.75	3.625	0.156	0.314	99.871
4.00	3.875	0.049	0.099	99.970
5.00	4.500	0.015	0.030	100.000

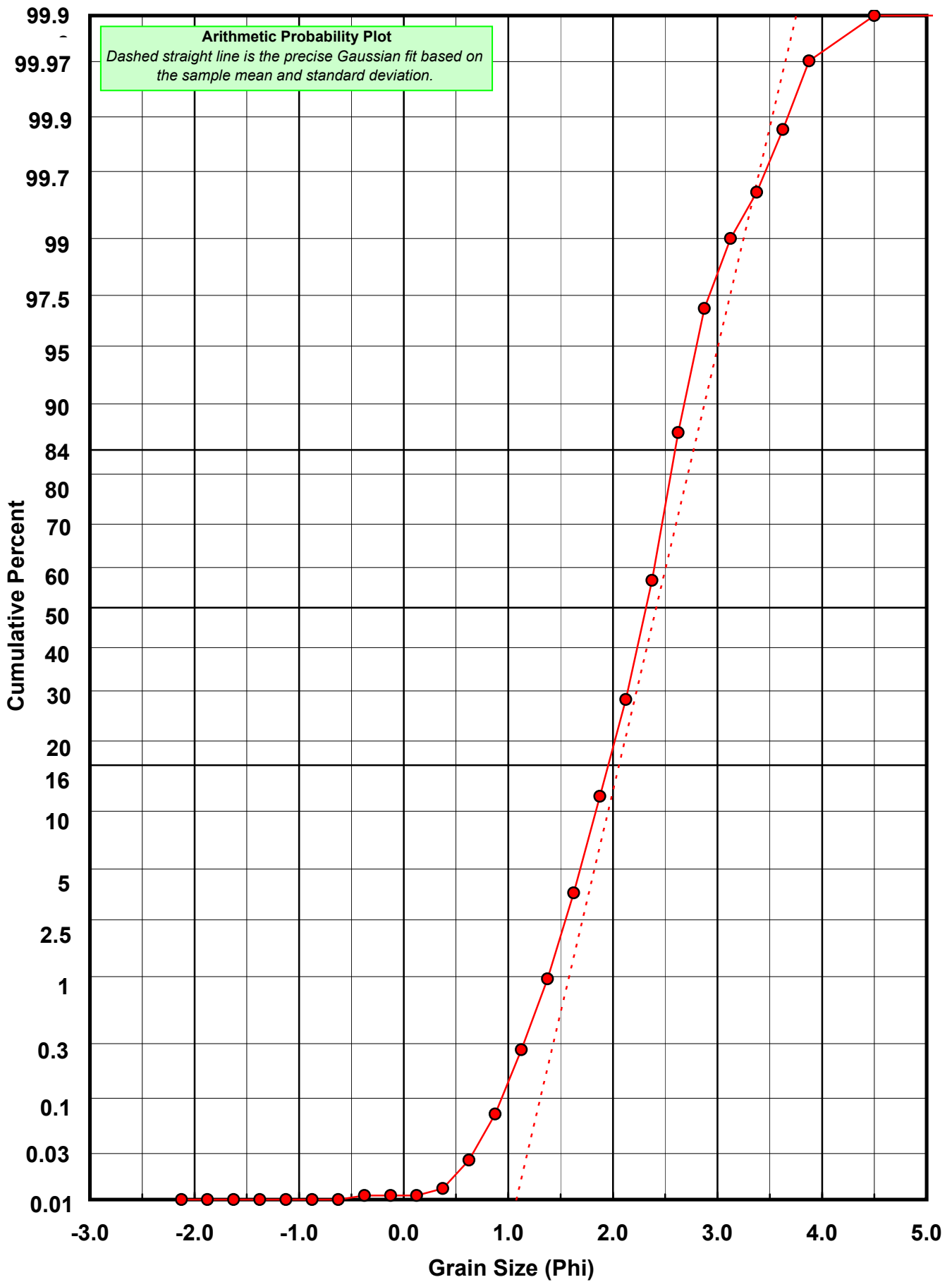
Statistical Results			
Mean:	2.4160	phi	(0.1874 mm)
Standard Dev:	0.3593	phi-units	(0.7795 mm)
Skewness:	-0.2227	dimensionless	
Kurtosis:	4.4548	dimensionless	
5th Moment:	-1.6291	dimensionless	
6th Moment:	57.6027	dimensionless	
RARD *	0.1487	dimensionless	
Median	2.3155	phi	(0.2009 mm)

* 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: DU-06-MB

Total Carbonate Mass: 0.962 grams

% Carbonate: 1.6 %

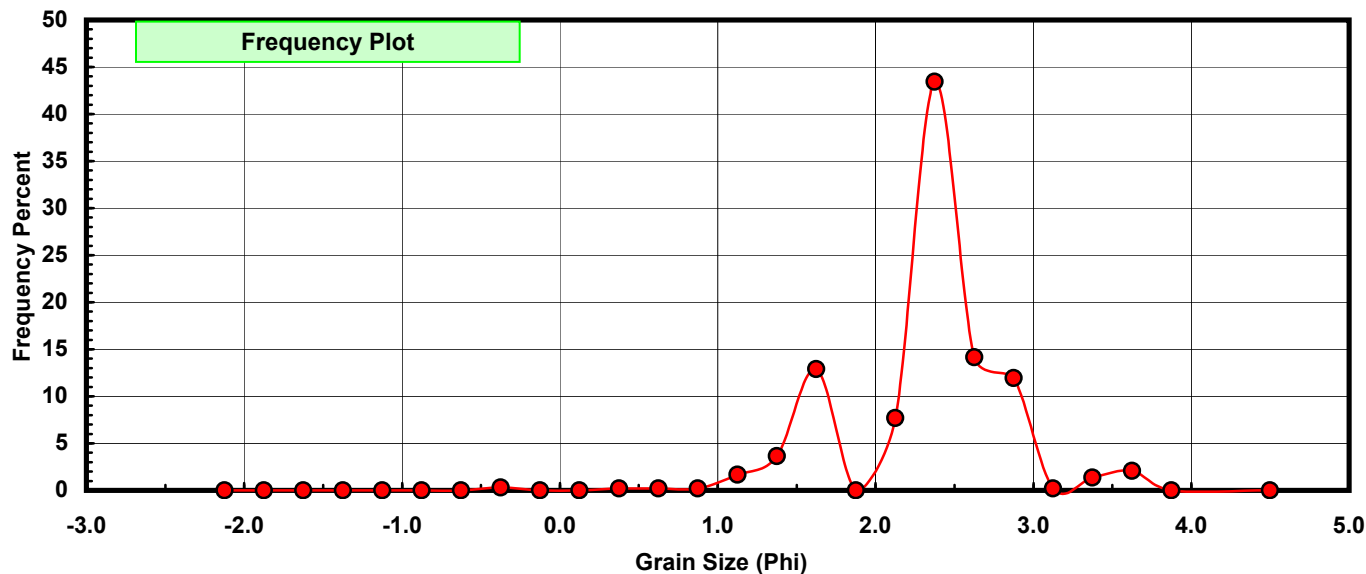
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.312	0.312
0.00	-0.125	0.000	0.000	0.312
0.25	0.125	0.000	0.000	0.312
0.50	0.375	0.002	0.208	0.520
0.75	0.625	0.002	0.208	0.728
1.00	0.875	0.002	0.208	0.936
1.25	1.125	0.016	1.663	2.599
1.50	1.375	0.035	3.638	6.237
1.75	1.625	0.124	12.890	19.127
2.00	1.875	0.000	0.000	19.127
2.25	2.125	0.074	7.692	26.819
2.50	2.375	0.418	43.451	70.270
2.75	2.625	0.136	14.137	84.407
3.00	2.875	0.115	11.954	96.362
3.25	3.125	0.002	0.208	96.570
3.50	3.375	0.013	1.351	97.921
3.75	3.625	0.020	2.079	100.000
4.00	3.875	0.000	0.000	100.000
5.00	4.500	0.000	0.000	100.000

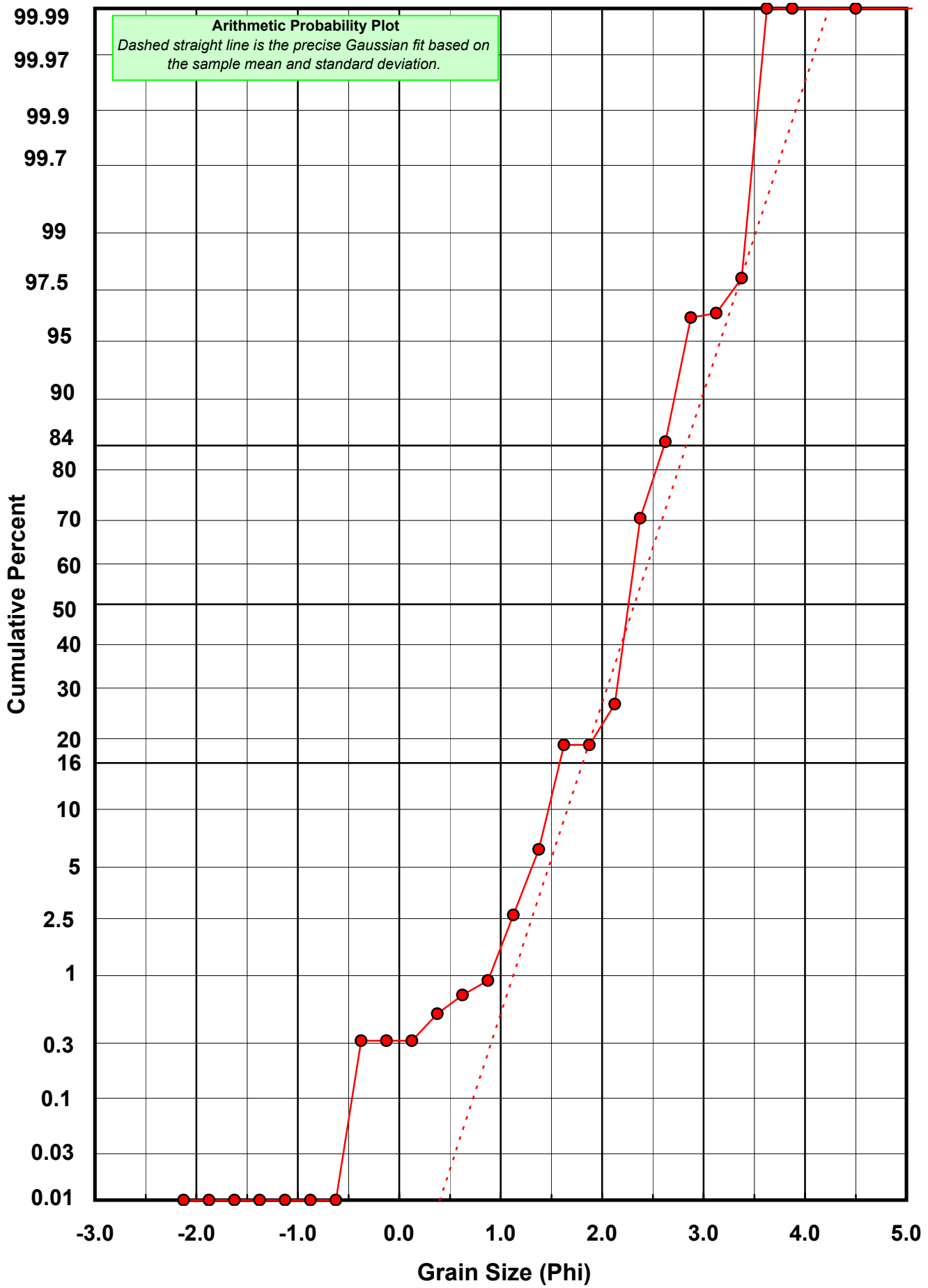
Statistical Results			
Mean:	2.3186	phi	(0.2005 mm)
Standard Dev:	0.5151	phi-units	(0.6997 mm)
Skewness:	-0.7820	dimensionless	
Kurtosis:	5.7310	dimensionless	
5th Moment:	-14.4970	dimensionless	
6th Moment:	84.8779	dimensionless	
RARD *	0.2222	dimensionless	
Median	2.2584	phi	(0.209 mm)

* 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: DU-06-MB

Total Digested Mass: 48.902 grams

% Silica: 98.4 %

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	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.000	0.000	0.000
0.50	0.375	0.000	0.000	0.000
0.75	0.625	0.006	0.012	0.012
1.00	0.875	0.021	0.043	0.055
1.25	1.125	0.079	0.162	0.217
1.50	1.375	0.319	0.652	0.869
1.75	1.625	1.188	2.429	3.298
2.00	1.875	4.220	8.630	11.928
2.25	2.125	8.156	16.678	28.606
2.50	2.375	13.712	28.040	56.646
2.75	2.625	14.593	29.841	86.487
3.00	2.875	5.161	10.554	97.041
3.25	3.125	0.977	1.998	99.039
3.50	3.375	0.271	0.554	99.593
3.75	3.625	0.136	0.278	99.871
4.00	3.875	0.063	0.129	100.000
5.00	4.500	0.000	0.000	100.000

Statistical Results			
Mean:	2.4158	phi	(0.1874 mm)
Standard Dev:	0.3550	phi-units	(0.7819 mm)
Skewness:	-0.2057	dimensionless	
Kurtosis:	3.9016	dimensionless	
5th Moment:	-1.0029	dimensionless	
6th Moment:	32.0151	dimensionless	
RARD *	0.1469	dimensionless	
Median	2.3157	phi	(0.2009 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	
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