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Simulant Publications: Particle Size Distribution Documents

The following are files containing information about the particle size distribution of various simulants. The material is organized by simulant and then by the provider of the information. If you use the data please acknowledge the original provider.

The information is provided without independent verification by the MSFC simulant team. These are working files used by the team and are made available to assist the community.

FJS-1 / Oshima / Kohyama

SHIMIZU Corporation, June 2006

[Japanese_Simulant_Shimizu.pdf](#)

[Japanese-Simulant-Shimizu_chemical.pdf](#) - Chemical Composition of New Lunar Soil Simulants

JSC-1 Series

NASA GRC:

Xiangwu Zeng, Chunmei He, Heather Oravec, / Case Western Reserve University
Allen Wilkinson, Juan Agui, Vivake Asnani/ NASA GRC

[JSC-1a_GRC_report.pdf](#)

LASP:

Susan Batiste/ University of Colorado at Boulder/ Laboratory for Atmospheric and Space Physics

[JSC1a_Product_Data_Batiste.pdf](#)

[JSC-1a_curve.pdf](#)

[JSC-1_SieveAnalysisData_UCB_USGS.jpg](#)

[JSC1a_Ton3_grainsize_Batiste.pdf](#)

[JSC-1a_LASP_Geotech_Properties_Tons1-3.pdf](#)

Orbitec:

Robert Gustafson / ORBITEC

[JSC-1AFine_Gustafson.pdf](#)

USGS:

Steve Wilson / USGS, November 2006

[JSC-1_2006_USGS_BOR_part_size.xls](#)

[JSC-1Bulk_2006_USGS.xls](#)

LHT-1D

Steve Wilson/ USGS 2007

[LMT-1m_no2microniz_2007USGS.xls](#)

LHT-1M

Susan Batiste / University of Colorado, Boulder 2008

[LHT-1_Batiste_gsd.pdf](#)

[LHT-1_Batiste_ParticleSize.pdf](#)

[LHT-1M_Batiste_2008_feedbackform.pdf](#)

[LHT-1M_Batiste_2008_gsd.xls](#)

NASA JSC: Dan Garrison, Sue Wentworth, Sarah Noble

 [LHT-1M_SEM_Wentworth.pdf](#)

 [LHT-1_images_Noble2007.pdf](#)

NASA GRC: Ken Street, Paul Greenberg

 [LHT_Sieving_2007_GRC_KStreet.pdf](#)

 [LHT_PSD_2007_PGreenberg.pdf](#)

NASA KSC: Phil Metzger

 [NU-LHT-1M_Metzger.xls](#)

Malvern Instruments: Alan Rawle

 [LHT-1M_2007_G2_MalvernReport.pdf](#)

Shape:

 [LHT-1Mshape_Malvern026_75-300.pdf](#)

 [LHT-1Mshape_Malvern026_Greater300.pdf](#)

 [LHT-1Mshape_Malvern75-300_Overplots.pdf](#)

 [LHT-1Mshape_Malvern101_75-300.pdf](#)

 [LHT-1Mshape_Malvern101_GT300.pdf](#)

 [LHT-1Mshape_Malvern101_PiccieReps.pdf](#)

 [LHT-1Mshape_MalvernFines.pdf](#)

 [LHT-1Mshape_MalvernGT300-ShapeOverplots.pdf](#)

Size:

 [LHT-1Msize_Malvern2102_Report.pdf](#)

USGS: Steve Wilson

 [LHT-1_particle-size_2007_USGS.xls](#)


 [LHT-1M_orig-size_USGS.pdf](#)

Xiangwu Zeng/ Case Western Reserve University

 [LHT_psd_Zeng.pdf](#)

LHT-2C

USGS: Steve Wilson

 [LHT-2C_Size_analysis_USGS.xls](#)

LHT-2M

NASA GRC:

Xiangwu Zeng, Chunmei He / Case Western Reserve University

Allen Wilkinson / NASA GRC

 [LHT-2_GRC.pdf](#)

USGS: Steve Wilson

 [LHT-2M_Particle_Size_Summary1_Lowers_3-4-09_USGS.xls](#)


 [LHT-2M_ParticleResults_USGS.xls](#)

MLS-1

Susan Batiste / University of Colorado Boulder

 [MLS-1_gsd_Batiste.pdf](#)

Paul W. Weiblen, Marian J. Murawa, Kenneth J. Reid, Proceedings of Space 90 sponsored by the Aerospace Division of the American Society of Civil Engineers, Albuquerque 1990

 [MLS-1_Weibling_et_al_PrepSimLunar90.pdf](#)

OB-1

NASA GRC:

Chunmei He and David Zeng / Case Western Reserve University, March 2008

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NASA Official: [Carole McLemore](#)
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