

SUBJECT: Sieving Analysis of NU-LHT-1M
FROM: Kenneth Street (NASA-GRC)
DATE: July 17, 2007

We have dry sieved both lot 022 and 091 in standard brass 3 inch sieves. Data Follows.

| | NU-LHT-1M #091 | | NU-LHT-1M #022 | |
|---------|----------------|------|----------------|------|
| | Weight (g) | % | Weight (g) | % |
| Total | 20 | 100 | 20 | 100 |
| >75um | 13.18 | 69 | 13.67 | 68 |
| 63-75um | 1.94 | 9.7 | 1.97 | 9.9 |
| 45-63um | 1.81 | 9.1 | 1.98 | 9.9 |
| 32-45um | 2.5 | 12.5 | 2.23 | 11.2 |
| 20-32um | 0.17 | 0.9 | 0.02 | 0.1 |
| < 20um | 0.03 | 0.2 | 0.02 | 0.1 |
| total | 19.63 | | 19.89 | |
| loss | 0.37 | 1.9 | 0.61 | 3.1 |

Our assessment is that there are insufficient fines in this material to be useful standard to the dust community. Lunar regolith will contain typically 20% by weight of content in the dust (<20um) fraction.