

Quick Look

LUNAR-ELEMENTAL-ABUNDANCE-MAP-5-DEG-HIGH1-120615.DAT
2012-06-15

Prettyman, T. H., J. J. Hagerty, R. C. Elphic, W. C. Feldman, D. J. Lawrence, G. W. McKinney, and D. T. Vaniman, Elemental composition of the lunar surface: Analysis of gamma ray spectroscopy data from Lunar Prospector, JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 111, E12007, doi:10.1029/2005JE002656, 2006.

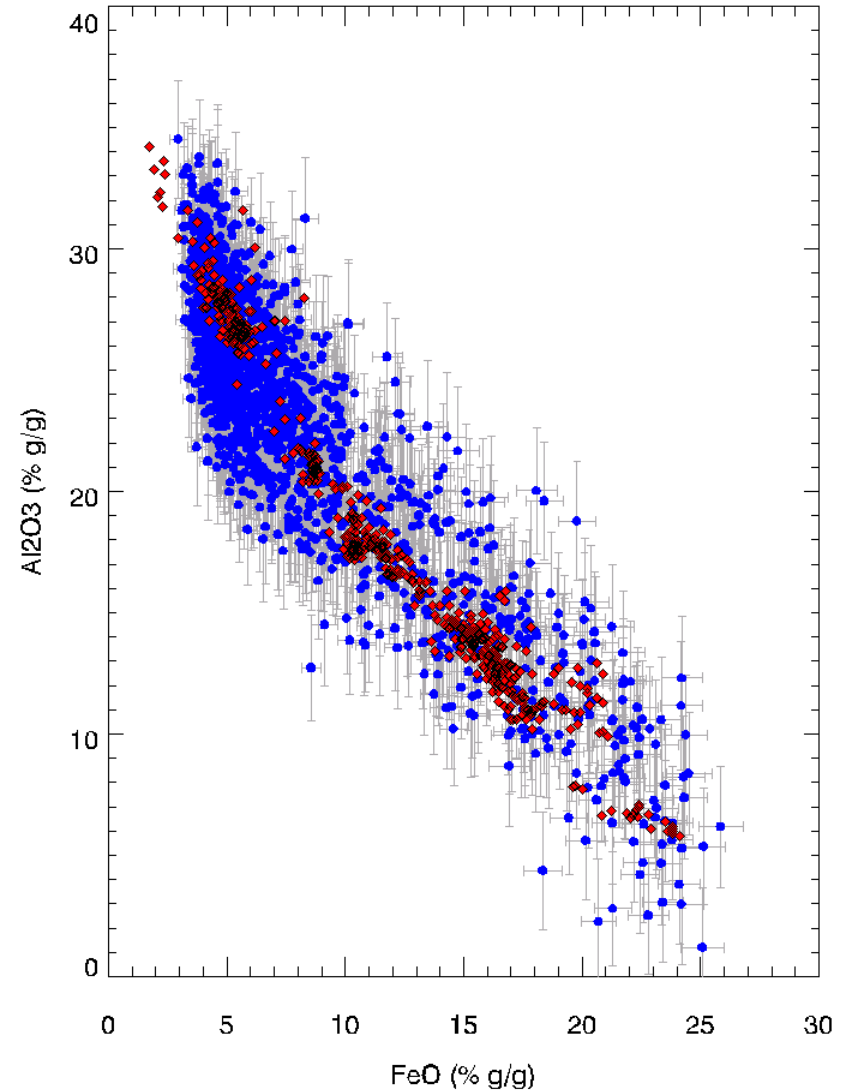
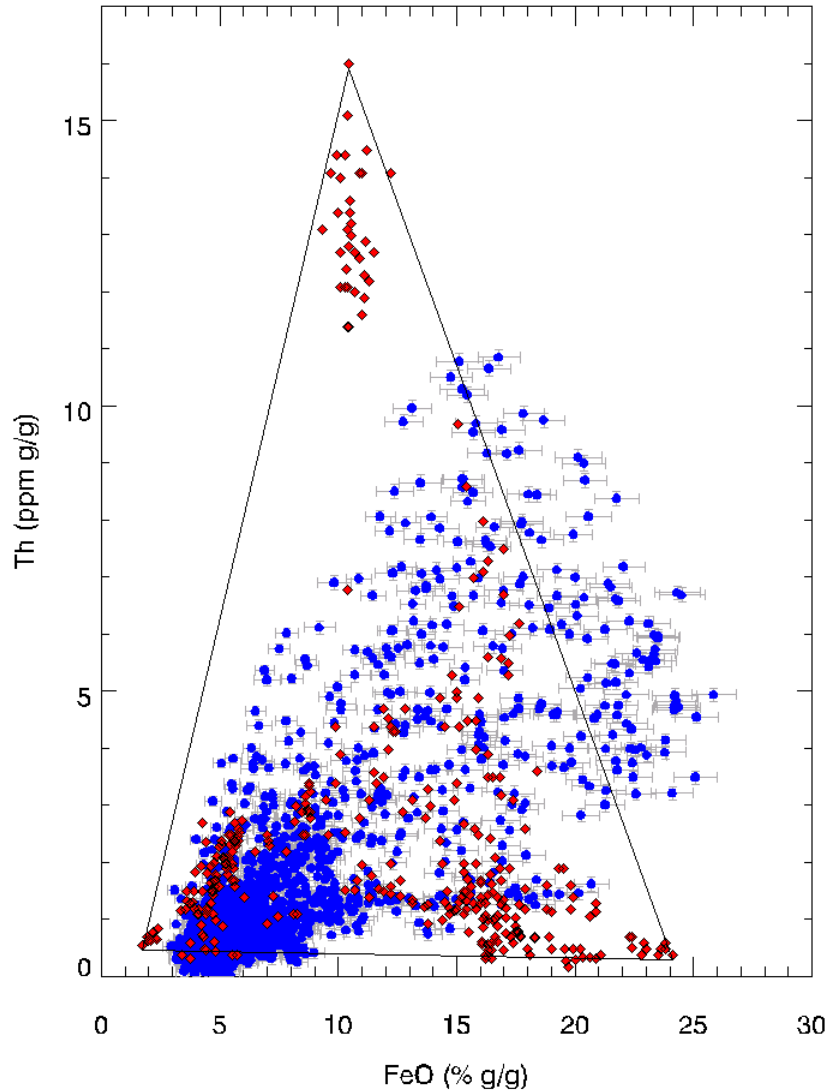
Correlations

LEGEND



Abundances determined by GRS_FIT

Soils, regolith breccias, and meteorite compositions

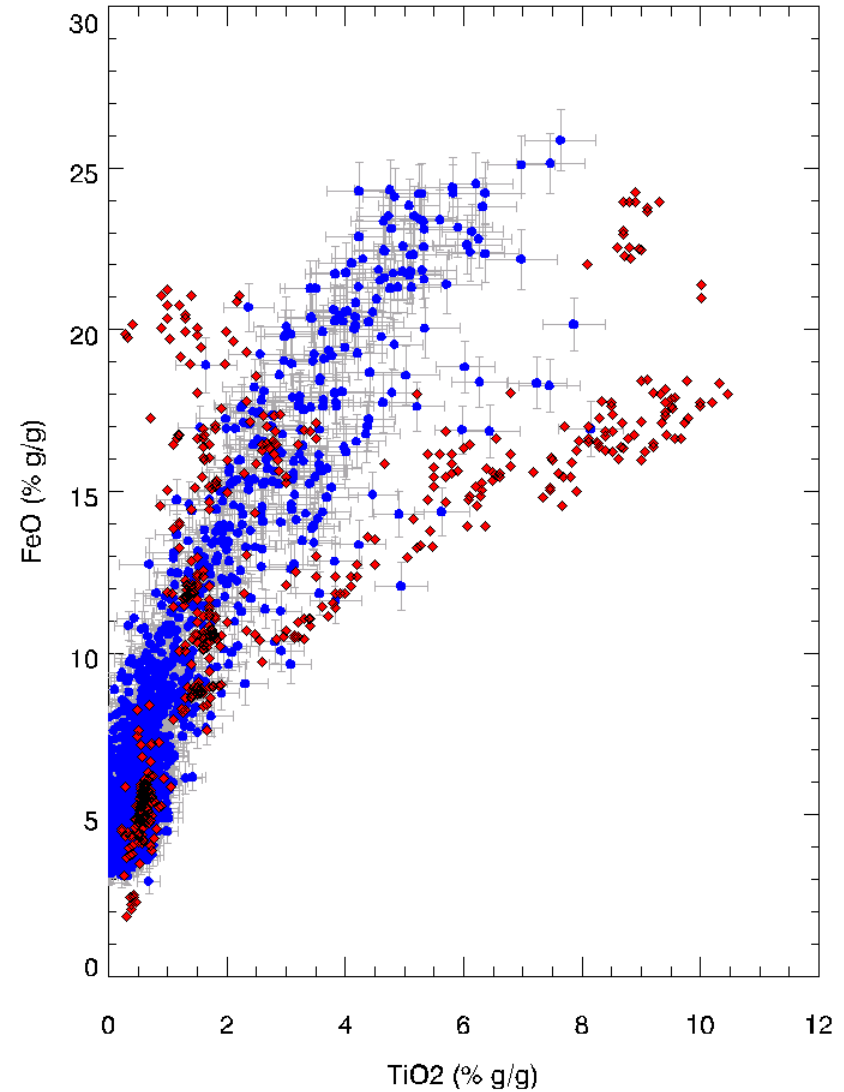
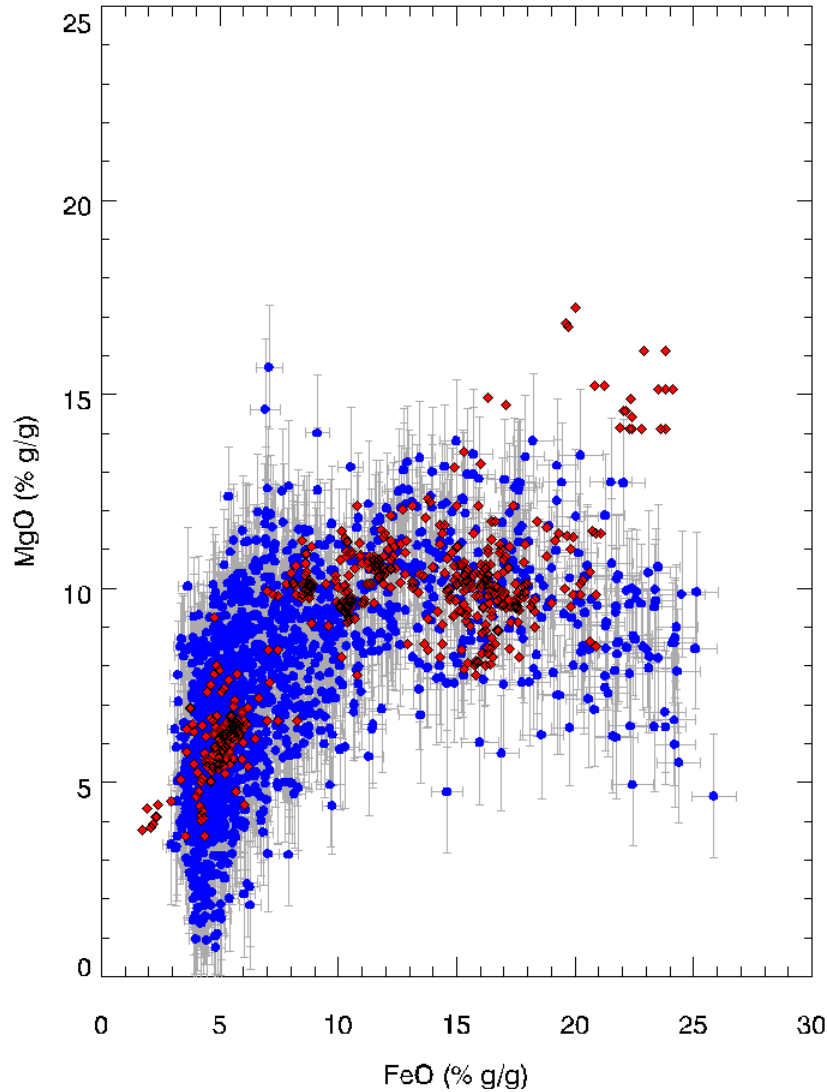


Correlations

LEGEND



Abundances determined by GRS_FIT
Soils, regolith breccias, and meteorite compositions



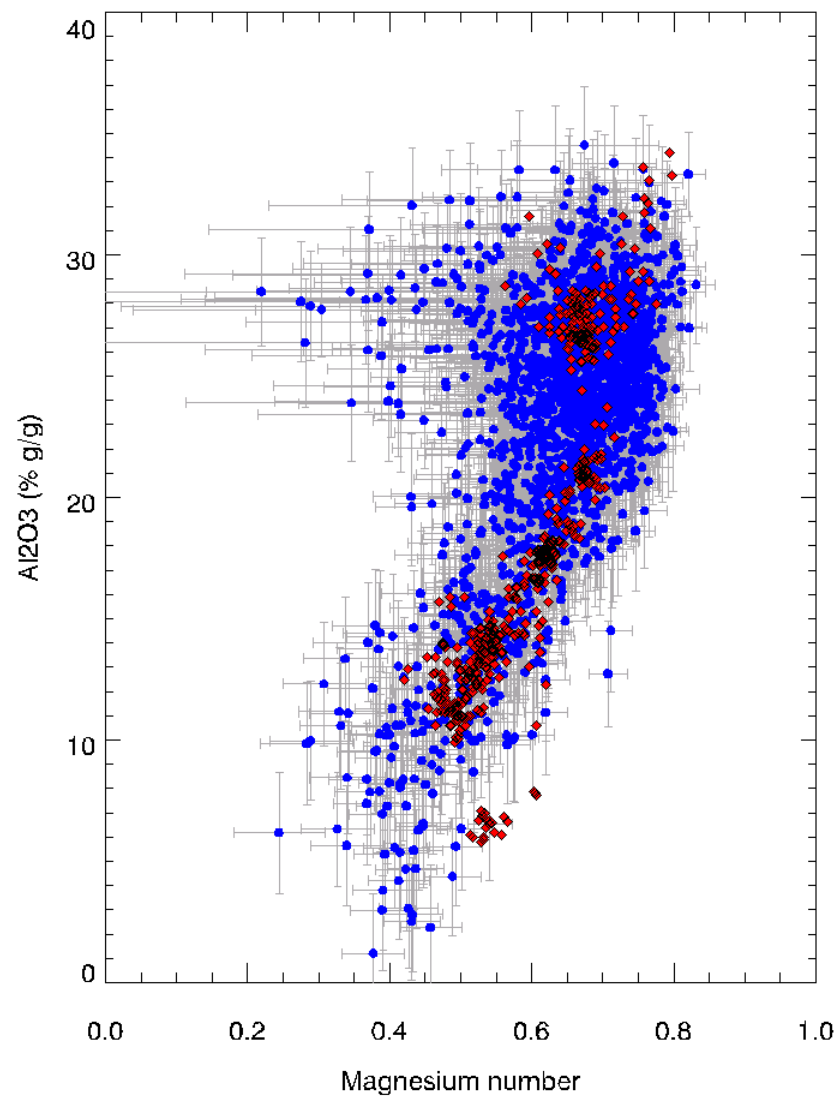
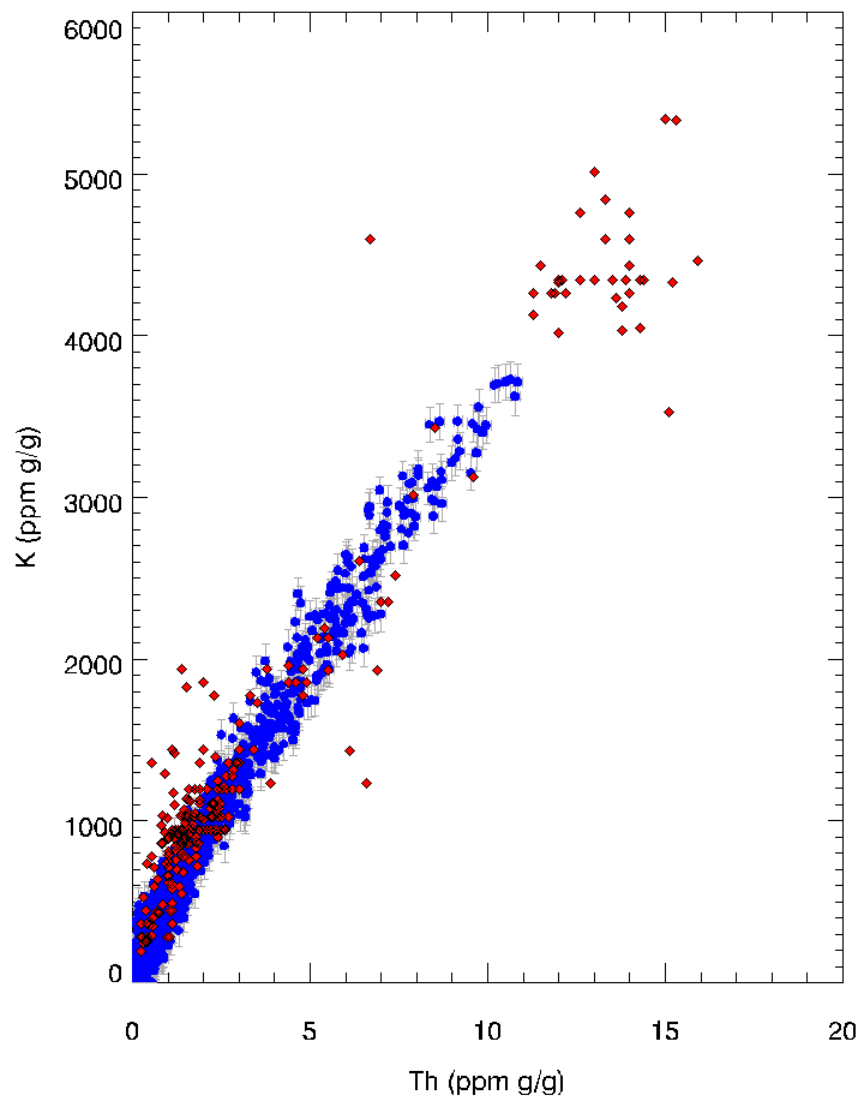
Correlations

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Abundances determined by GRS_FIT

Soils, regolith breccias, and meteorite compositions

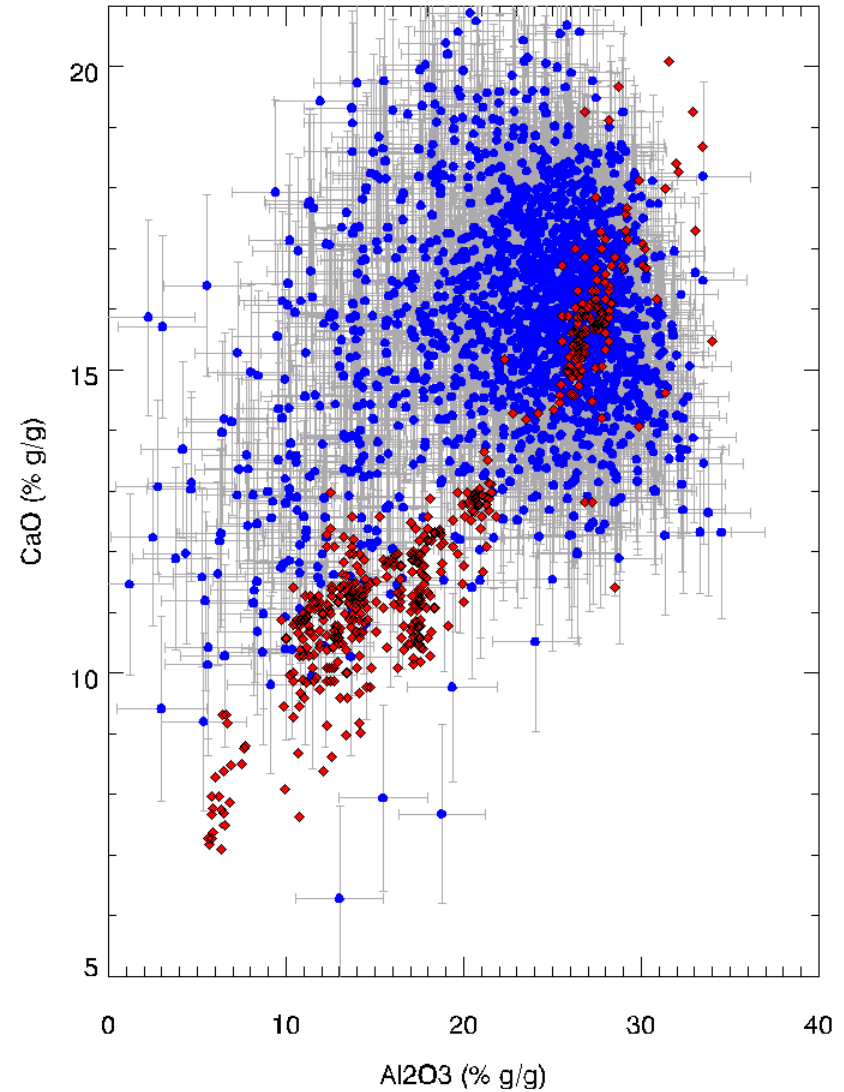
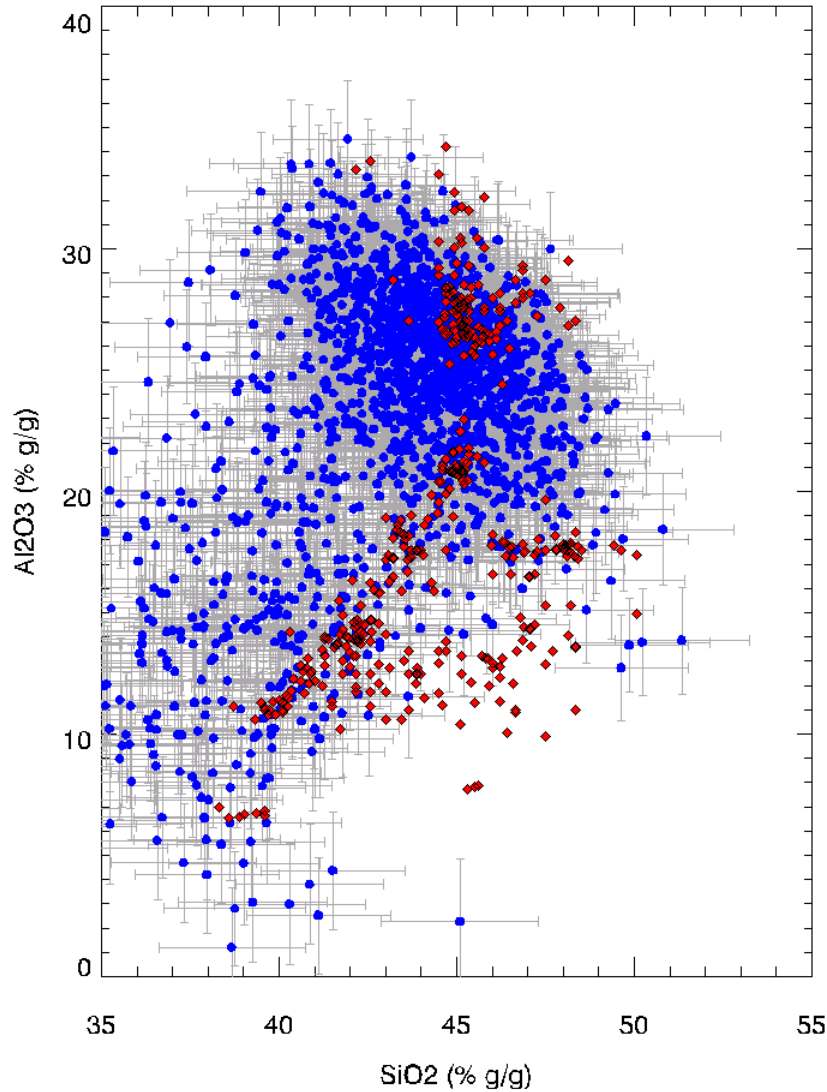


Correlations

LEGEND

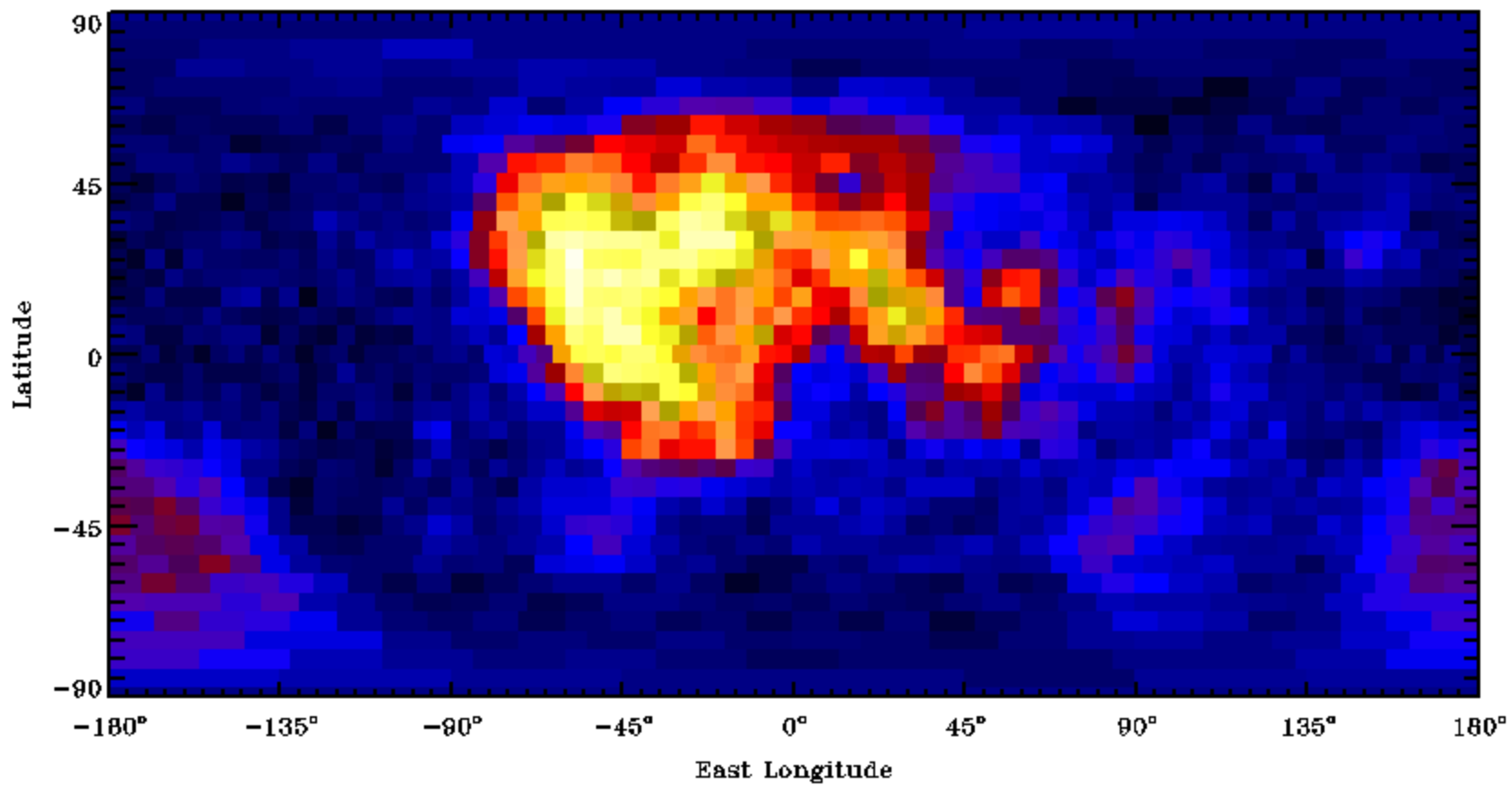


Abundances determined by GRS_FIT
Soils, regolith breccias, and meteorite compositions

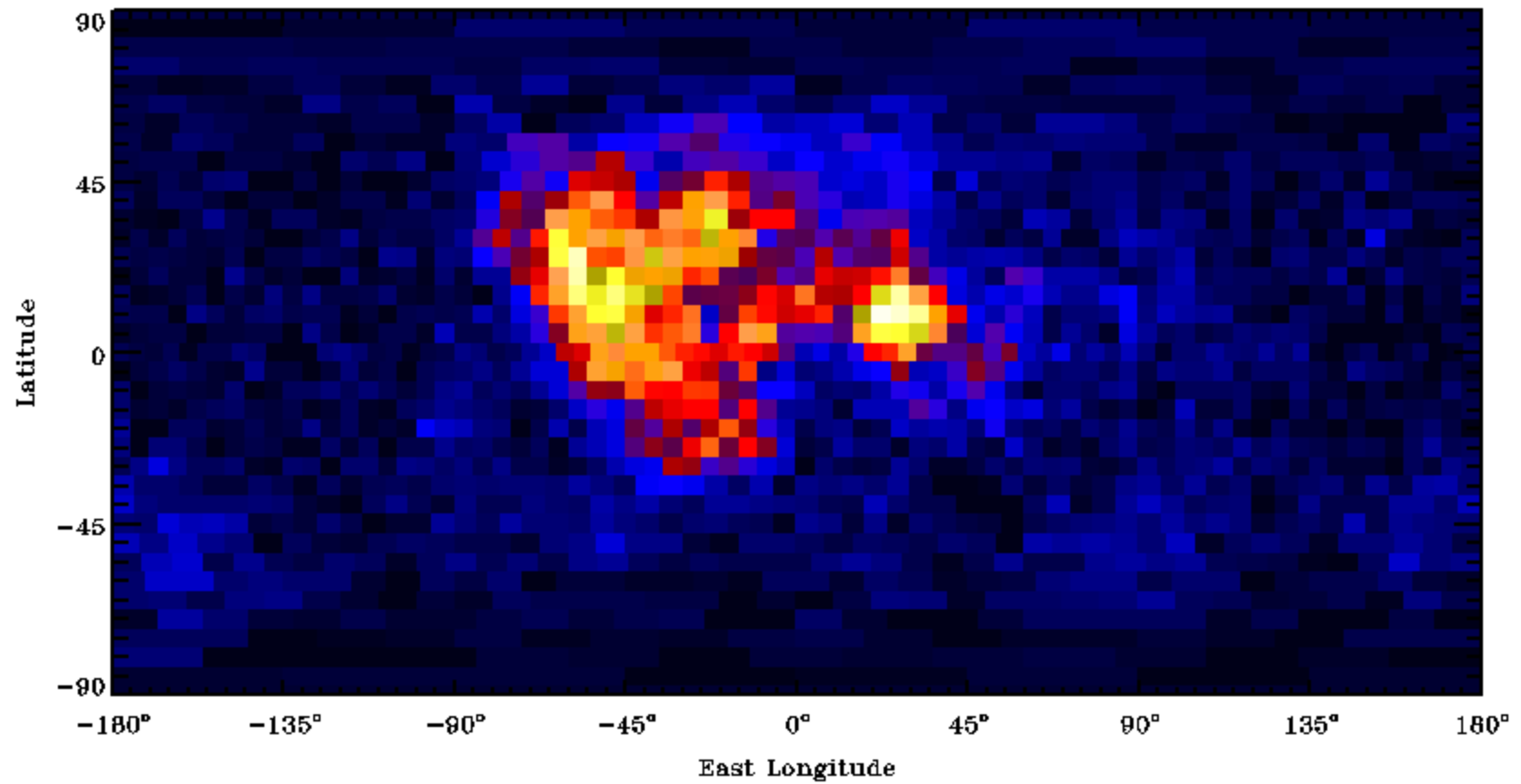
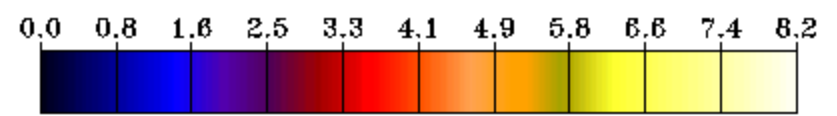


FeO (% g/g)

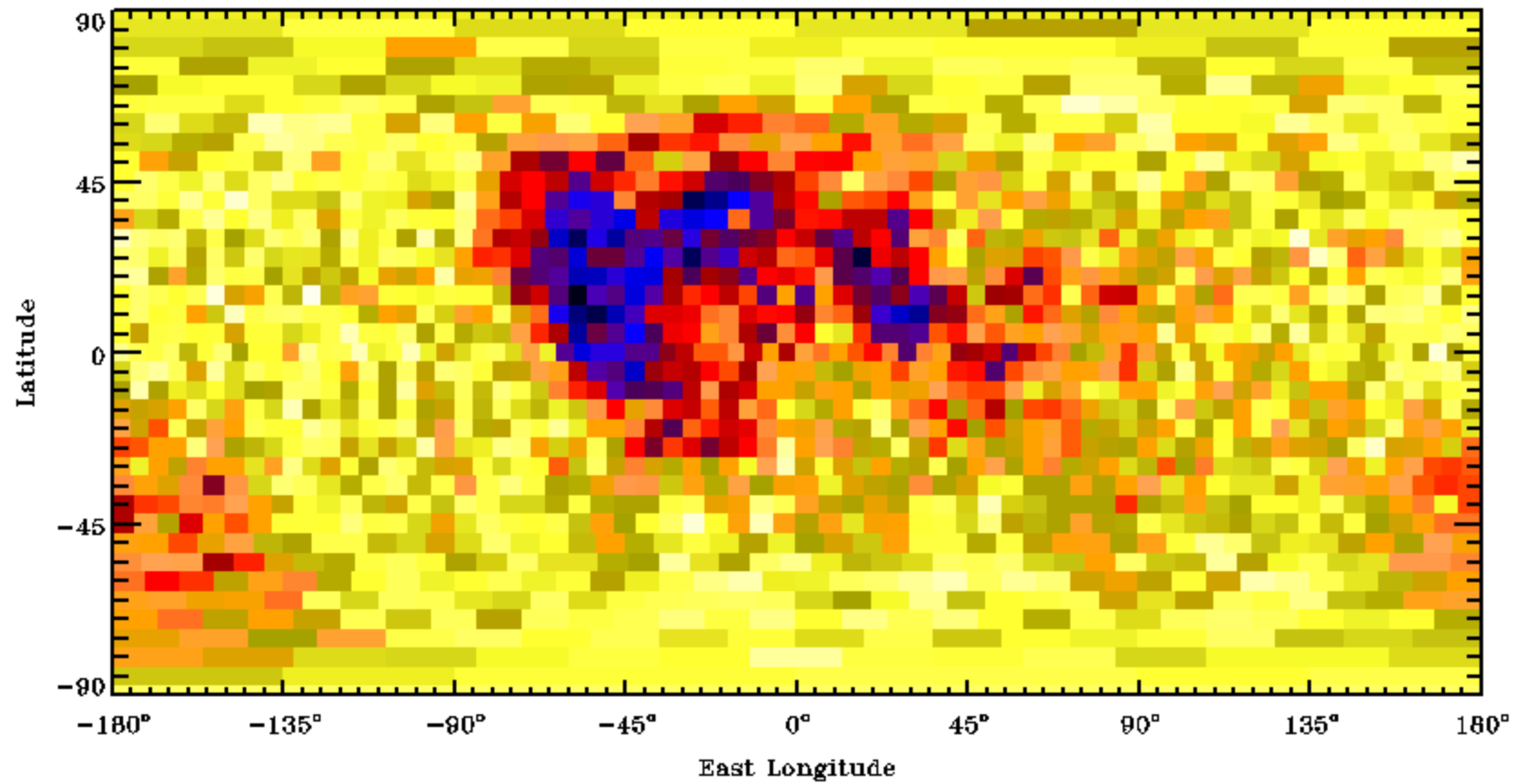
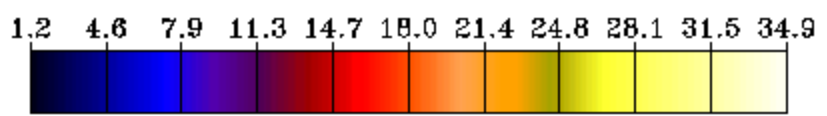
2.9 5.2 7.6 9.9 12.2 14.5 16.8 19.2 21.5 23.8 26.1



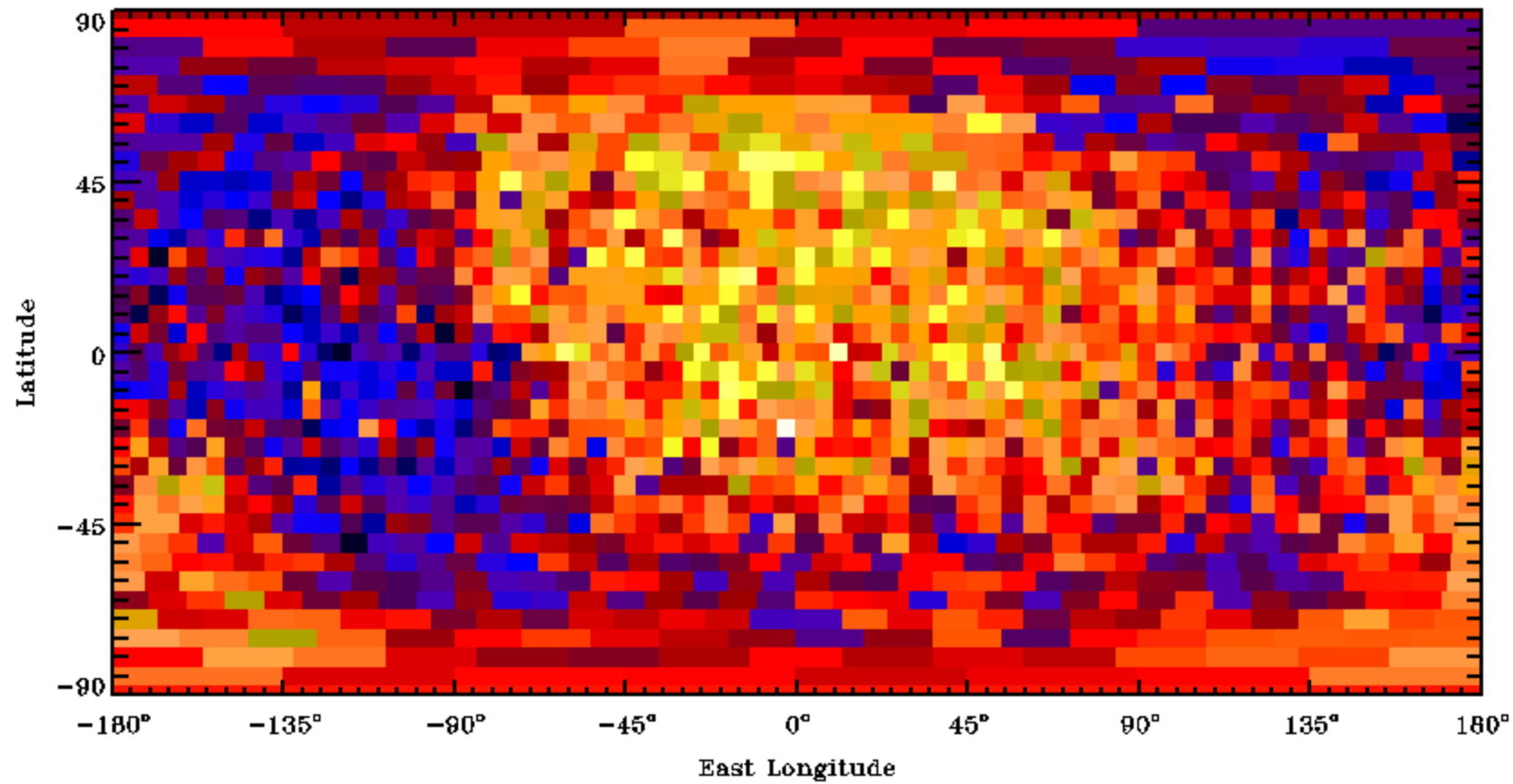
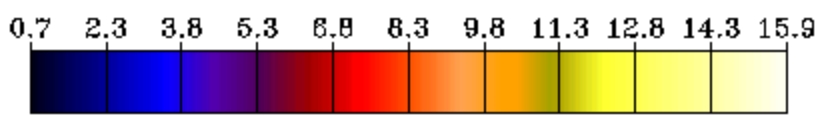
TiO₂ (% g/g)



Al₂O₃ (% g/g)

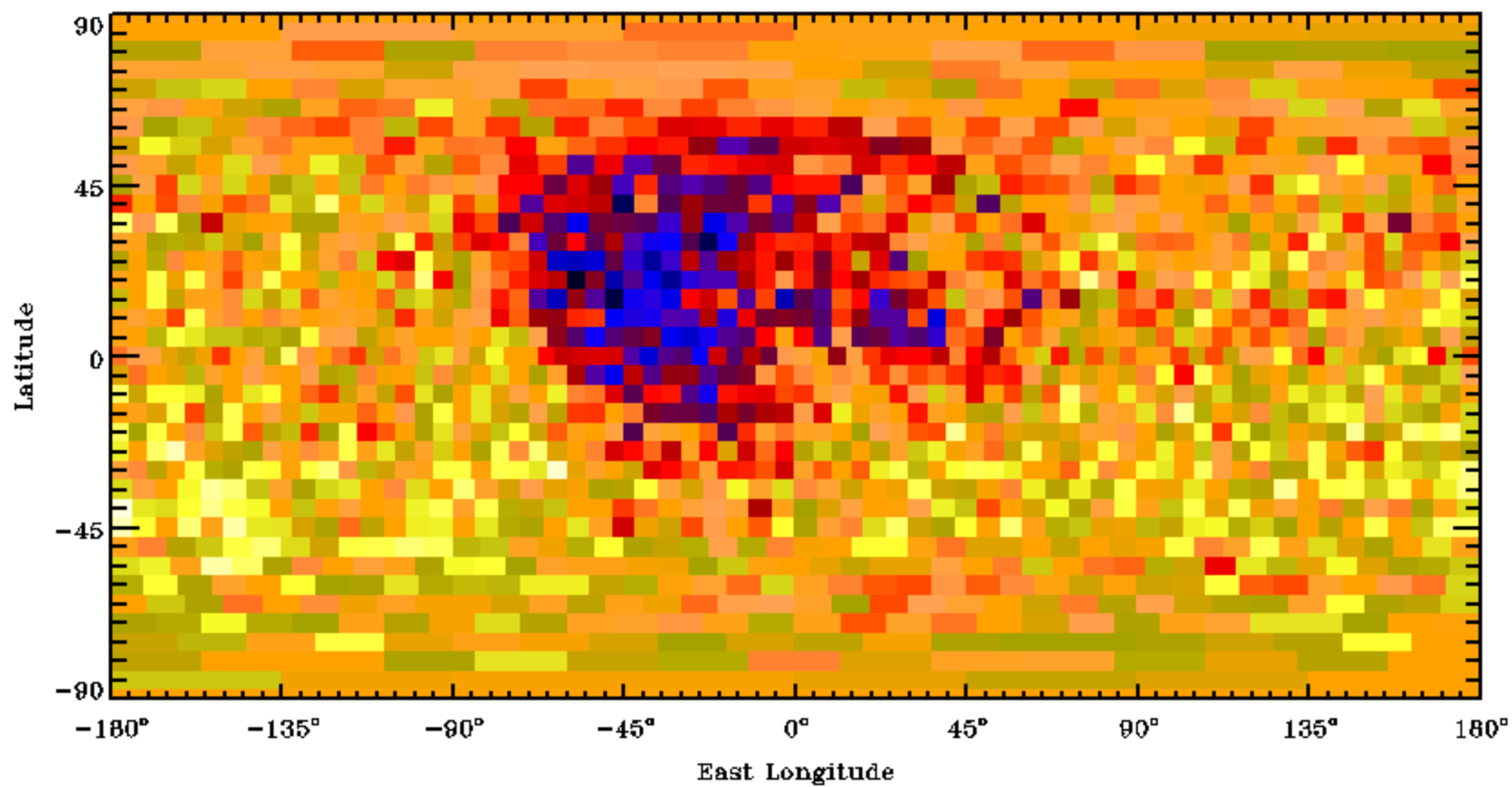
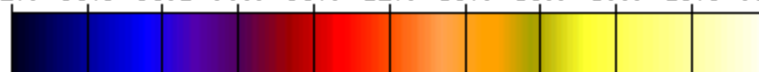


MgO (% g/g)



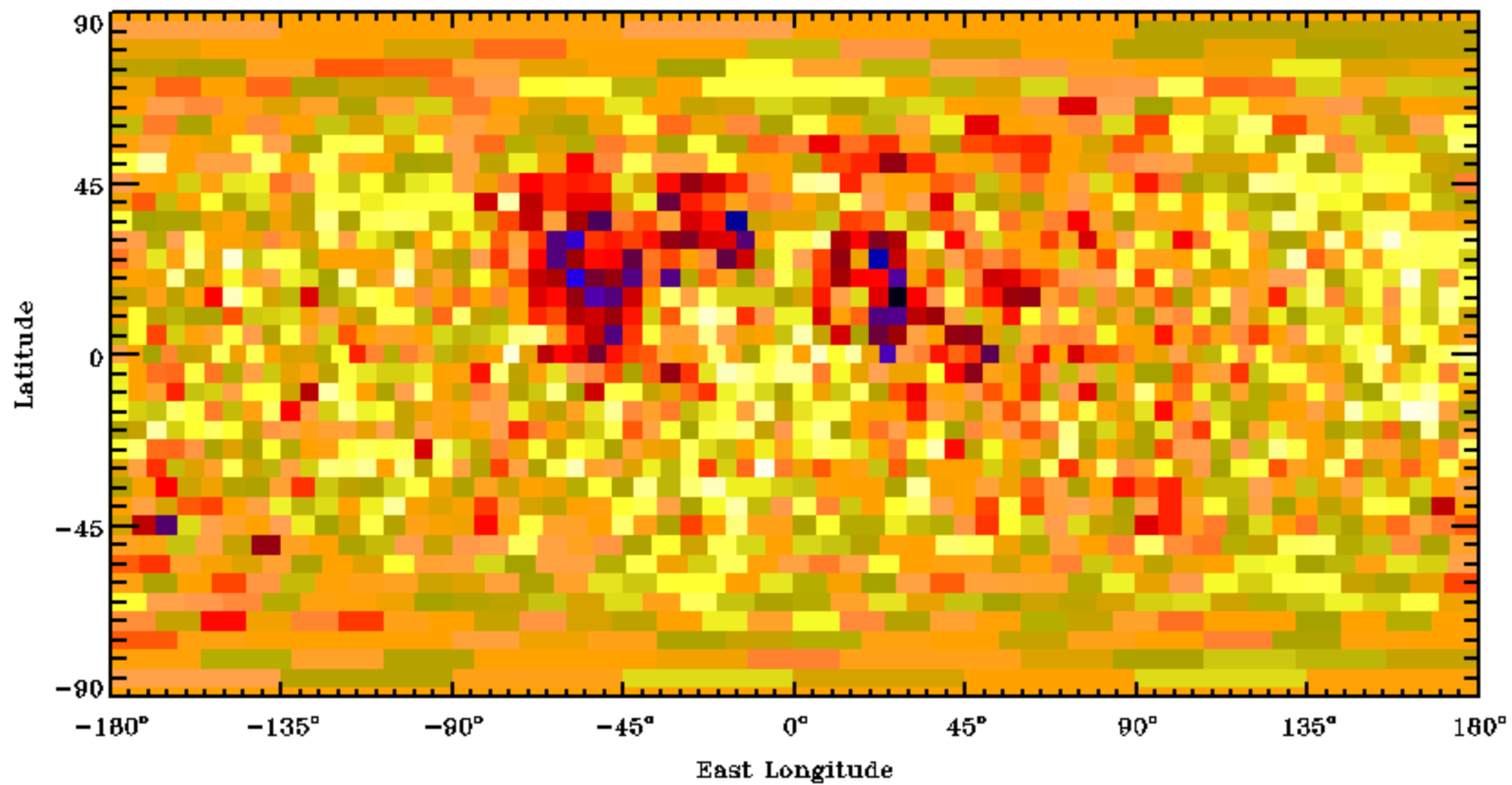
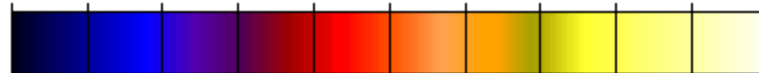
SiO₂ (% g/g)

31.3 33.3 35.4 37.5 39.5 41.6 43.6 45.7 47.7 49.8 51.9

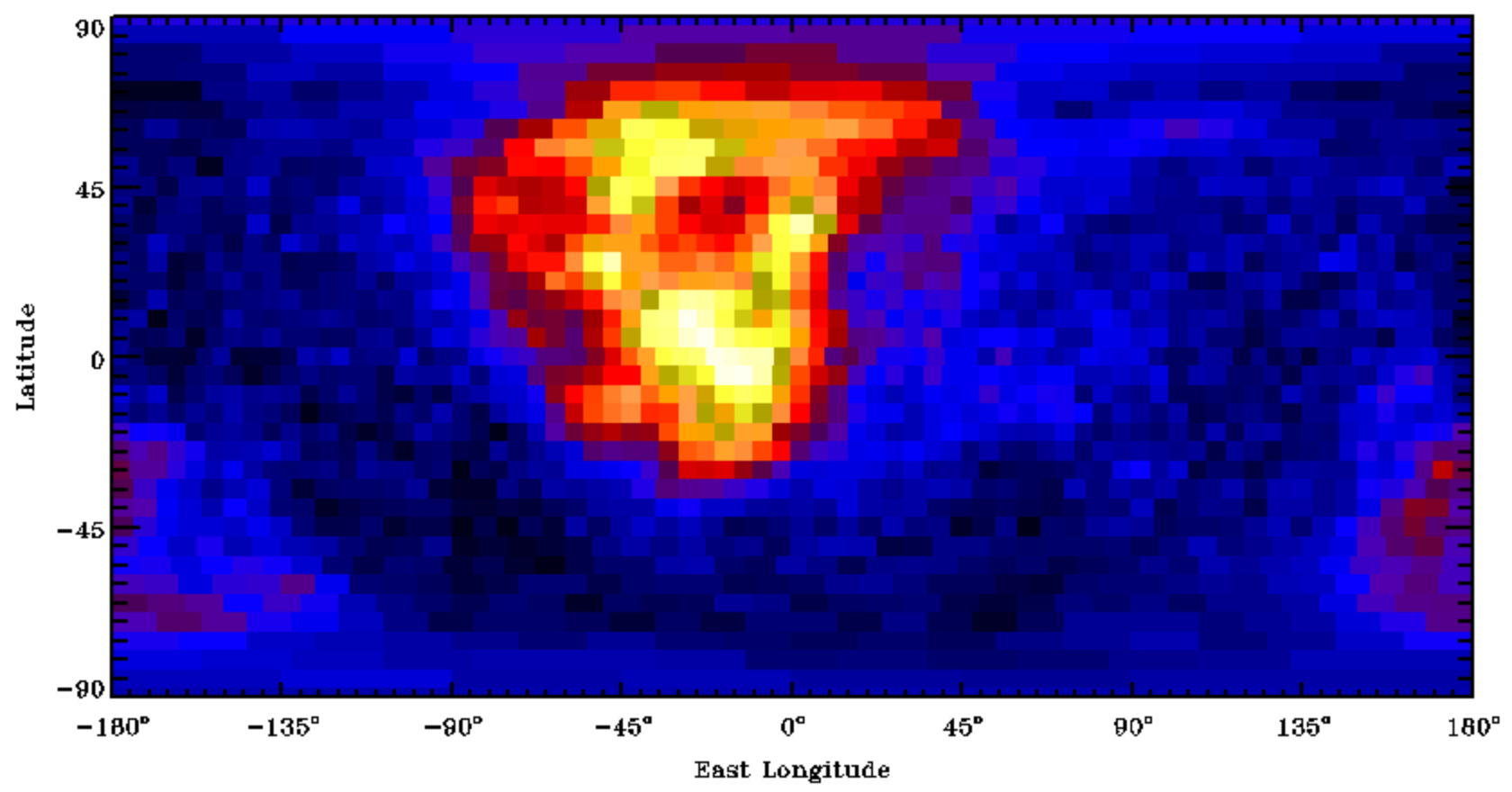
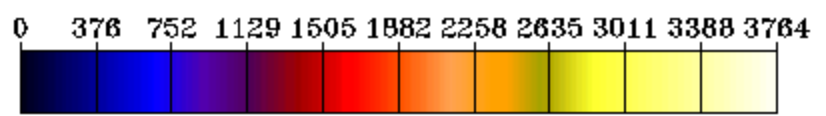


CaO (% g/g)

6.2 7.7 9.2 10.7 12.2 13.7 15.1 16.6 18.1 19.6 21.1



K (ppm g/g)



Th (ppm g/g)

0.00 1.10 2.19 3.29 4.38 5.48 6.57 7.67 8.76 9.86 10.95

