Goal 1

	Goal	1																																		
	Objective	1				2			3									4			5			6	7								8			
Measurement	Investigation	1	2	3	4	1	2	3	1	2	3	4	5	6	7	8	9	1	2	3	1	2	3	1	1	2	3	4	5	6	7	8	1	2	3	4
Lower/middle atmosphere																																				
Noble gas bulk abundances & isotopic composition; +/- 5% precision		x																																x		x
CHONS isotope ratios; better than +/- 5% precision			x							x															x									x		x
Gas composition: minor/trace, reative species																x										x	x	x	x					x		x
Cloud particle composition																														x				x		x
Cloud particle physical & optical properties																														x				x		x
Radiation field																																				
Atmospheric temperature and variability																																				
Winds and variability																																				
Upper atmosphere/exosphere																																				
Neutral/ionized atoms/molecules abundances												x																						x		x
Magnetic field																																		x		x
Surface/subsurface																																				
CHONS isotope ratios; +/- 10% precision				x										x																				x		x
Trapped gas composition					x										x															x				x		x
Elemental and mineralogical composition						x			x		x												x							x	x			x		x
Petrography and petrology							x		x		x																			x	x			x		x
Absolute ages								x									x			x	x	x									x			x		x
Stratigraphy																		x																x		x
Crustal magnetism													x																					x		x
Subsurface layering																			x													x		x		x
Subsurface heatflow																																				
Ground motion																																				
Topography and altimetry																																		x		x
Texture and physical properties								x	x		x							x		x	x	x	x						x							
Planetary scale																																				
Moment of inertia/spin axis/seismology																								x												
Spectral signature from UV to radio																																	x		x	

Goal 2

	Goal	2																																																			
	Objective	1						2						3								4							5				6							7				8						9			
Measurement	Investigation	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	1	2	3	4	1	2	3	4	5	6	7	1	2	3	4	1	2	3	4	5	6	1	2	3	4
Lower/middle atmosphere																																																					
Noble gas bulk abundances & isotopic composition; +/- 5% precision																																																					
CHONS isotope ratios; better than +/- 5% precision																																																					
Gas composition: minor/trace, reative species		x	x		x		x							x				x											x			x																		x			
Cloud particle composition					x																								x																								
Cloud particle physical & optical properties				x																									x																							x	
Radiation field						x								x																		x					x									x					x		
Atmospheric temperature and variability																														x																	x	x				x
Winds and variability																															x													x	x				x				
Upper atmosphere/exosphere																																																					
Neutral/ionized atoms/molecules abundances																																								x	x	x					x						
Magnetic field																																						x					x										
Surface/subsurface																																																					
CHONS isotope ratios; +/- 10% precision										x							x										x																										
Trapped gas composition																																																					
Elemental and mineralogical composition										x							x										x																										
Petrography and petrology								x						x																																							
Absolute ages													x							x								x																									
Stratigraphy											x					x							x																														
Crustal magnetism								x																															x														
Subsurface layering									x		x													x																													
Subsurface heatflow									x			x									x				x												x																
Ground motion														x												x								x																			
Topography and altimetry									x																											x												x				
Texture and physical properties		x																																																		
Planetary scale																																																					
Moment of inertia/spin axis/seismology									x						x				x			x											x		x	x																	
Spectral signature from UV to radio							x																																		x												

Goal 3

	Goal	3															
	Objective	1					2			3						4	
Measurement	Investigation	1	2	3	4	5	1	2	3	1	2	3	4	5	6	1	2
Lower/middle atmosphere																	
Noble gas bulk abundances & isotopic composition; +/- 5% precision		x	x														
CHONS isotope ratios; better than +/- 5% precision		x	x	x													
Gas composition: minor/trace, reative species										x	x	x					
Cloud particle composition																	
Cloud particle physical & optical properties											x						
Radiation field													x				
Atmospheric temperature and variability																	
Winds and variability														x			
Upper atmosphere/exosphere																	
Neutral/ionized atoms/molecules abundances																x	x
Magnetic field																	
Surface/subsurface																	
CHONS isotope ratios; +/- 10% precision				x	x			x									
Trapped gas composition			x			x											
Elemental and mineralogical composition		x	x		x			x							x		
Petrography and petrology		x															
Absolute ages																	
Stratigraphy			x				x										
Crustal magnetism									x								
Subsurface layering																	
Subsurface heatflow																	
Ground motion																	
Topography and altimetry		x					x										
Texture and physical properties																	
Planetary scale																	
Moment of inertia/spin axis/seismology							x										
Spectral signature from UV to radio																	

Note: Numbering of Goal/Objective/Investigation column headings mimics the organization of the "VEXAG Goals, Objectives, Investigations and Priorities: 2007" available at http://www.lpi.usra.edu/vexag/reports.html. Further detail regarding specific measurement precision and accuracy can be found therein.