Origin, evolution and escape		A. DP+ flyby (Jupiter) 2	B1. HB+mP+flyby 4	B2. HB+mP+O 6	C. 4DP +flyby 8	D. LB+mP+ flyby 2	E1. DP+HB+LB+mP+flyby 8	E2. DP+HB+LB+mP+O 10	F1. DP+HB+ mP+flyby 6	F2. DP+LB+mP+flyby 4
Noble gases abundance and isotope ratio	(high)	1	2	2	4	1	4	4	3	2
Non noble gas isotope ratios (O, S, …)	(high)	1	2	2	4	1	4	4	3	2
Non noble gas isotope ratios with 0.01% precision		0	0	0	0	0	0	0	0	0
Escape of superthermal neutrals	(medium)	0	0	1	0	0	0	1	0	0
Vertical profiles of isotopes of H, O, Ar, Ne above 100 km	(medium)	0	0	1	0	0	0	1	0	0
Composition and chemistry		5	2.5	2.5	20	2.5	8.5	8.5	7.5	7.5
Abundance of trace gases not measured by VEX and VCO	(high)	1	1	1	4	1	3	3	2	2
Vertical profile of trace gases	(high)	2	1	1	8	1	3	3	3	3
Trace gases below 20 km		2	0.5	0.5	8	0.5	2.5	2.5	2.5	2.5
Clouds		3	4	4	12	1	7	7	7	4
Composition of the cloud particles	(high)	2	2	2	8	0	4	4	4	2
Optical properties of the clouds	(medium)	1	2	2	4	1	3	3	3	2
Dynamics, structure and radiation balance		7	13	14	28	13	26	27	20	20
Wind field below and within the clouds	high/medium	2	4	4	8	4	8	8	6	6
Wind field in the mesosphere		0	0	1	0	0	0	1	0	0
Eddy activity	(high)	1	3	3	4	3	6	6	4	4
Static stability	(high)	2	3	3	8	3	6	6	5	5
Radiative balance	(med)	2	3	3	8	3	6	6	5	5
Plasma and wave processes		3	3.5	5.5	9	3.5	7.5	9.5	5.5	5.5
Electromagnetic waves in ionosphere	(high)	1	1	2	1	1	1	2	1	1
Electromagnetic activity in atmosphere/lighting	(high)	2	2.5	3.5	8	2.5			4.5	4.5
Surface and interior		6	2.5	2	18	3.5	6	7.5	4.5	5.5
Composition and mineralogy of the surface	(high)	3	2.5	0.5	6	2.5	2	2	1.5	1.5
Structure and substructure and interior	(low)	0	0	1.5	0	0	0	1.5	0	0
Surface Morphology (imaging)	(high)	2	0	0	8	1	3	3	2	3
Surface-atmosphere interactions	(high)	1	0	0	4	0	0	0	0	0
Planetary heat balance	(low)	0	0	0	0	0	1	1	1	1

science for mission scenario		**20**	**22**	**24.5**	**74**	**21**	**48.5**	**53**	**38**	**37**
		A. DP+ flyby (Jupiter)	**B1. HB+mP+flyby**	**B2. HB+mP+O**	**C. 4DP +flyby**	**D. LB+mP+ flyby**	**E1. DP+HB+LB+mP+flyby**	**E2. DP+HB+LB+mP+O**	**F1. DP+HB+ mP+flyby**	**F2. DP+LB+mP+flyby**
science for mission element		**23**	**16.5**	**12.5**	**10**	**7.5**	**1**	**10**	**14**	**19**
		DP descent probe	**HB high altitude balloon**	**LB low altitude balloon**	**MicroProbe 100-300 g**	**Orbiter**	**Flyby carrier**	**ASR Sample Return**	**Short living Lander**	**Long living Lander**