

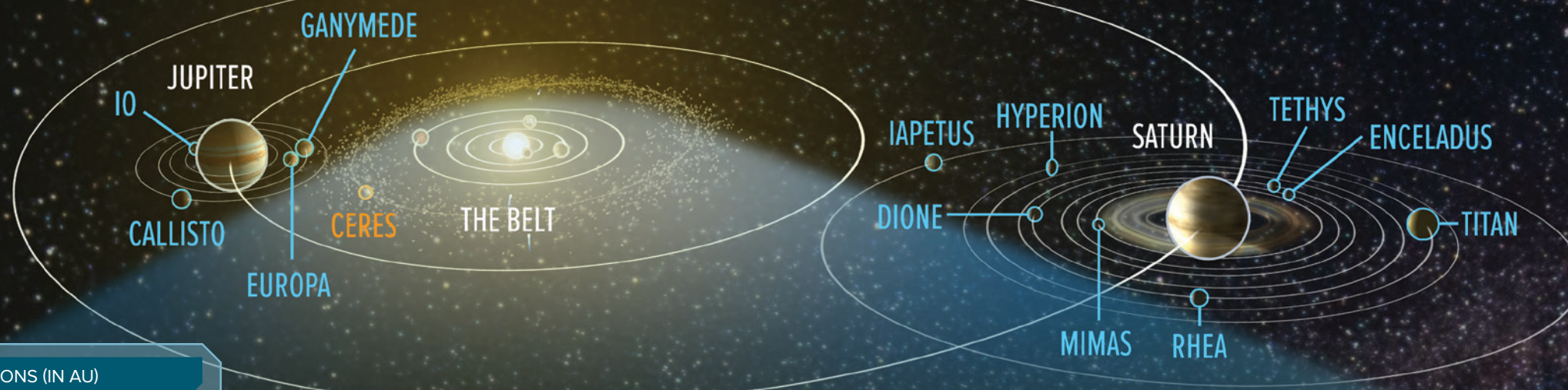


PLUTO

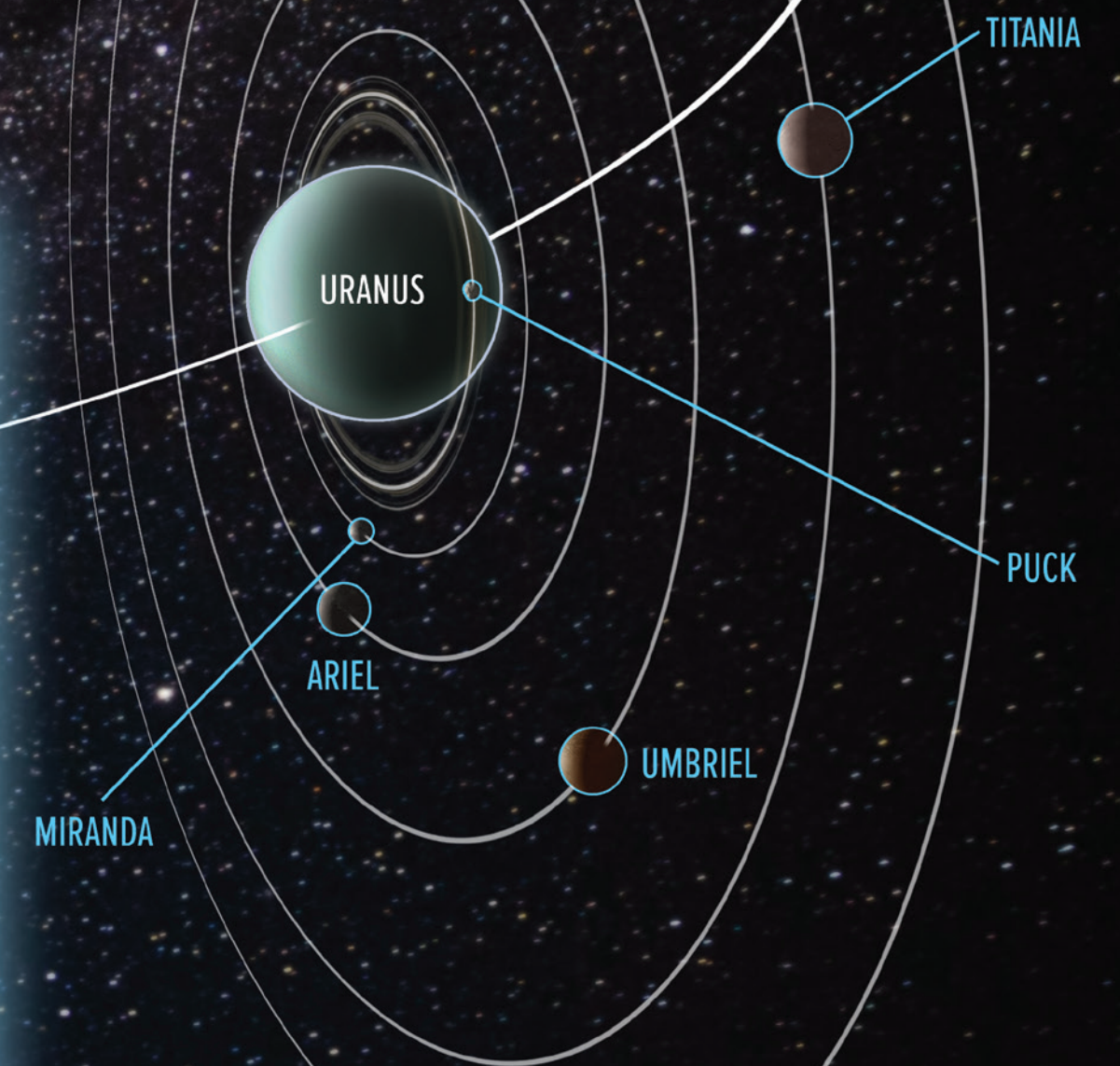
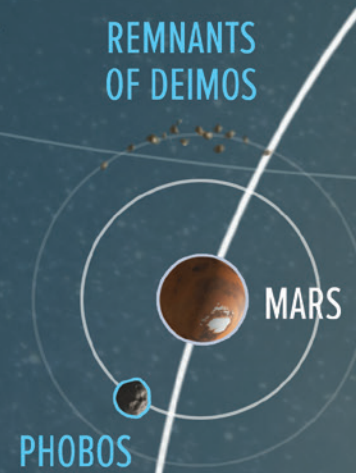
RELATIVE ORBITAL POSITIONS SHOWN

objects not to scale

THE OUTER PLANETS



THE INNER PLANETS



AVERAGE TRAVEL TIME BETWEEN LOCATIONS (AT .3G/1G/7G/12G) (IN HOURS)

	MERCURY				VENUS				EARTH				MARS				CERES				JUPITER				SATURN				URANUS				NEPTUNE				PLUTO			
MERCURY	0	0	0	0	72	39.4	14.9	11.4	97.9	53.6	20.3	15.5	133.2	73	27.6	21.1	193.3	105.9	40	30.6	274.8	150.5	56.9	43.5	379.1	207.6	78.5	59.9	542.7	297.2	112.3	85.8	682.6	373.9	141.3	107.9	784	429.4	162.3	87.7
VENUS	72	39.4	14.9	11.4	0	0	0	0	66.3	36.3	13.7	10.5	112.1	61.4	23.2	17.7	179	98	37.1	28.3	265.3	145.3	54.9	41.9	372.2	203.9	77	58.8	537.9	294.6	111.3	85	678.8	371.8	140.5	107.3	780.7	427.6	161.6	87.3
EARTH	97.9	53.6	20.3	15.5	66.3	36.3	13.7	10.5	0	0	0	0	90.4	49.5	18.7	14.3	166.7	91.3	34.5	26.4	256.8	140.7	53.2	40.6	366.2	200.6	75.8	57.9	533.8	292.3	110.5	84.4	675.6	370	139.9	106.8	777.9	426.1	161	87
MARS	133.2	73	27.6	21.1	112.1	61.4	23.2	17.7	90.4	49.5	18.7	14.3	0	0	0	0	139.6	76.4	28.9	22.1	240.4	131.7	49.8	38	354.9	194.4	73.5	56.1	526	288.1	108.9	83.2	665.3	366.7	138.6	105.9	772.6	423.2	159.9	86.4
CERES	193.3	105.9	40	30.6	179	98	37.1	28.3	166.7	91.3	34.5	26.4	139.6	76.4	28.9	22.1	0	0	0	195.8	107.2	40.5	31	326.6	178.9	67.6	51.6	507.8	278.1	105.1	80.3	655.3	358.9	135.7	103.6	759.8	416.2	157.3	84.9	
JUPITER	274.8	150.5	56.9	43.5	265.3	145.3	54.9	41.9	256.8	140.7	53.2	40.6	240.4	131.7	49.8	38	195.8	107.2	40.5	31	0	0	0	0	261.1	143	54	41.3	467.9	256.3	96.9	74	624.8	342.2	129.4	98.8	734.3	402.2	152	82.1
SATURN	379.1	207.6	78.5	59.9	372.2	203.9	77	58.8	366.2	200.6	75.8	57.9	354.9	194.4	73.5	56.1	326.6	178.9	67.6	51.6	261.1	143	54	41.3	0	0	0	0	388.3	212.7	80.4	61.4	567.7	310.9	117.5	89.8	686.1	375.8	142	76.7
URANUS	542.7	297.2	112.3	85.8	537.9	294.6	111.3	85	533.8	292.3	110.5	84.4	526	288.1	108.9	83.2	507.8	278.1	105.1	80.3	467.9	256.3	96.9	74	388.3	212.7	80.4	61.4	0	0	0	0	414.1	226.8	85.7	65.5	565.2	309.6	117	63.2
NEPTUNE	682.6	373.9	141.3	107.9	678.8	371.8	140.5	107.3	675.6	370	139.9	106.8	669.5	366.7	138.6	105.9	655.3	358.9	135.7	103.6	624.8	342.2	129.4	98.8	567.7	310.9	117.5	89.8	414.1	226.8	85.7	65.5	0	0	0	0	384.6	210.7	79.6	43
PLUTO	784	429.4	162.3	124	780.7	427.6	161.6	123.4	777.9	426.1	161	123	772.6	423.2	159.9	122.2	759.8	416.2	157.3	120.1	734.3	402.2	152	116.1	686.1	375.8	142	108.5	565.2	309.6	117	89.4	384.6	210.7	79.6	60.8	0	0	0	0

AVERAGE COMMUNICATION TIME BETWEEN LOCATIONS (IN MINUTES)

	MERCURY	VENUS	EARTH	MARS	CERES	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO
MERCURY	0	3	5	9	20	40	76	156	247	325
VENUS	3	0	2	7	17	37	73	153	244	323
EARTH	5	2	0	4	15	35	71	151	242	320
MARS	9	7	4	0	10	31	67	146	237	316
CERES	20	17	15	10	0	20	56	136	227	306
JUPITER	40	37	35	31	20	0	36	116	207	285
SATURN	76	73	71	67	56	36	0	80	171	249
URANUS	156	153	151	146	136	116	80	0	91	169
NEPTUNE	247	244	242	237	227	207	171	91	0	78
PLUTO	325	323	320	316	306	285	249	169	78	0

TYCHO STATION

THOTH STATION

THE BELT

CERES