



























(1)40.66	(13)4.86	(25)48.70	(37)4.90	(49)19.88
(2)29.68	(14)34.73	(26)33.15	(38)21.16	(50)11.51
(3)10.78	(15)4.04	(27)40.42	(39)27.29	(51)25.51
(4)13.52	(16)5.43	(28)23.78	(40)22.01	(52)18.30
(5)44.55	(17)27.04	(29)22.75	(41)33.53	(53)47.68
(6)3.38	(18)6.64	(30)41.62	(42)32.14	(54)46.18
(7)25.52	(19)41.27	(31)6.01	(43)16.02	(55)4.53
(8)10.06	(20)41.24	(32)8.39	(44)22.72	(56)37.42
(9)48.98	(21)36.68	(33)10.32	(45)2.74	(57)14.92
(10)36.21	(22)9.19	(34)20.77	(46)49.24	(58)22.30
(11)26.02	(23)33.66	(35)41.91	(47)10.02	(59)28.30
(12)24.61	(24)26.89	(36)40.56	(48)7.10	(60)47.25

Table 4: **Area-to-Mass Ratios (in  $\frac{m^2}{kg}$ ) of the HAMR Objects for 4-Year Propagation**

(1)22.05	(13)3.56	(25)11.16	(37)41.57	(49)22.41
(2)49.19	(14)28.94	(26)22.56	(38)49.17	(50)17.01
(3)16.47	(15)44.33	(27)25.14	(39)37.05	(51)9.75
(4)35.65	(16)34.12	(28)7.79	(40)18.51	(52)10.58
(5)33.98	(17)11.14	(29)30.30	(41)30.04	(53)22.30
(6)27.88	(18)19.71	(30)12.86	(42)7.17	(54)6.52
(7)35.51	(19)24.11	(31)20.46	(43)45.50	(55)30.73
(8)33.99	(20)49.12	(32)29.98	(44)44.22	(56)24.60
(9)10.55	(21)9.51	(33)14.09	(45)41.25	(57)35.41
(10)8.14	(22)43.07	(34)15.94	(46)14.51	(58)35.59
(11)49.96	(23)32.95	(35)31.62	(47)30.53	(59)32.65
(12)10.21	(24)20.06	(36)14.73	(48)3.08	(60)3.61

Table 5: **Area-to-Mass Ratios (in  $\frac{m^2}{kg}$ ) of the HAMR Objects for 2-Year Propagation**