

Site	Lon. (°E)	Lat. (°N)	Latest Image Before Impact	Earliest Image After Impact	HiRISE	Ls M29	Dia. (m)	Depth (m)	Model Ice Depth (m)
1	176.90°	46.33°	6/4/2008 L _s 81/M29 P20_008699_2247	8/10/2008 L _s 111/M29 P22_009556_2263	PSP_009978_2265	125.9	4	0.55	0.51 (0.36-0.73)
					PSP_010189_2265	133.8			
					PSP_010334_2265	139.3			
					PSP_010400_2265	141.9			
					PSP_010901_2265	162.0			
					ESP_011323_2265*	180.0			
					ESP_011468_2265	186.5			
					ESP_012602_2265	240.3			
					PSP_010084_2235	129.8			
					PSP_010440_2235	143.5			
2	164.22°	43.28°	12/22/2006 L _s 154/M28 V22273012	7/5/2008 L _s 94/M29 P21_009095_2225	PSP_010651_2235	151.8	6	1.33	0.74 (0.34-∞)
					ESP_011574_2235*	191.2			
					ESP_011719_2235	197.9			
					ESP_012497_2235	235.1			
					PSP_010625_2360*	150.8			
					ESP_011337_2360	180.7			
3	150.62°	55.57°	1/26/2008 L _s 23/M29 V27128013	9/18/2008 L _s 129/M29 B01_010058_2375	ESP_011548_2360	190.1	8	?	0.12 (0.09-0.15)
					PSP_010585_2255	149.2			
					ESP_011442_2255*	185.3			
4	164.71°	45.05°	1/22/2008 L _s 21/M29 V27090026	9/15/2008 L _s 127/M29 B01_010018_2247	ESP_012220_2255	221.6	6	1.76	0.38 (0.10-∞)
					PSP_010861_2265	160.4			
					ESP_011283_2265	178.3			
5	188.51°	46.16°	7/3/2004 L _s 55/M27 V11315010	6/28/2008 L _s 92/M29 P20_009015_2262	ESP_011494_2265*	187.6	12	2.46	0.14 (0.12-0.16)
					ESP_011850_2265	204.0			

Table 1

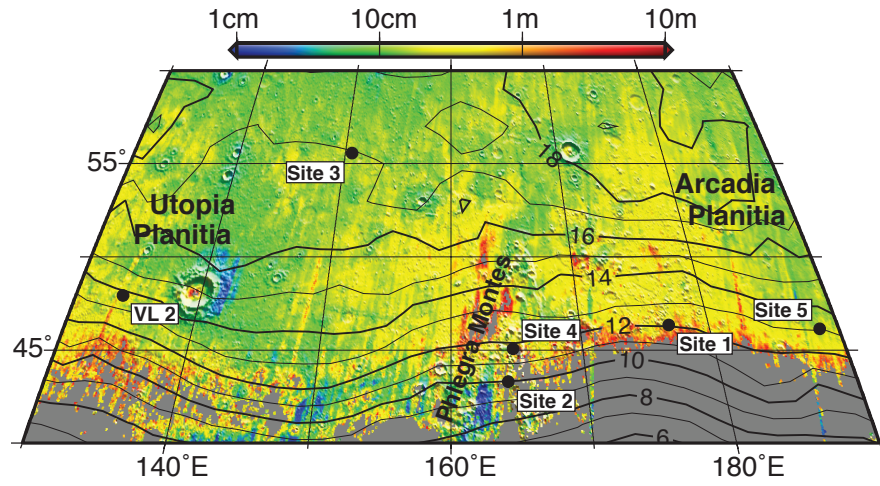


Figure 1

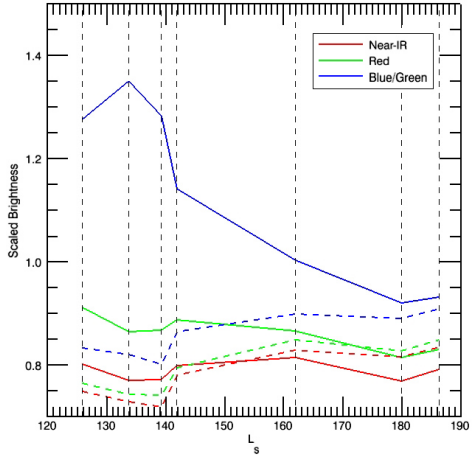
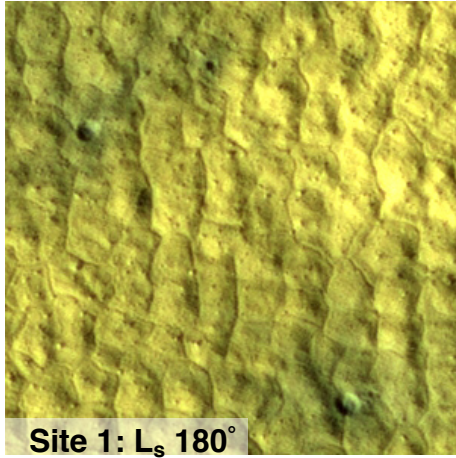
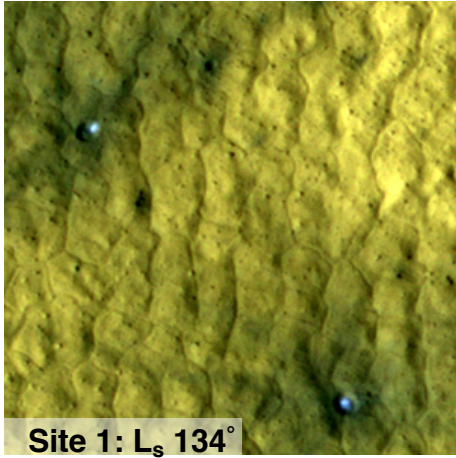


Figure 2

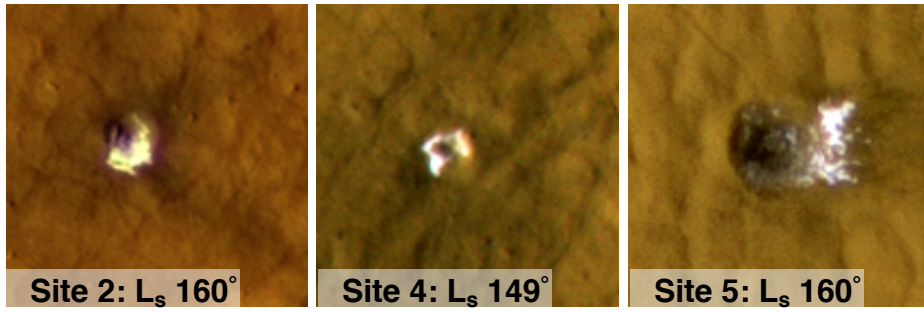


Figure 3

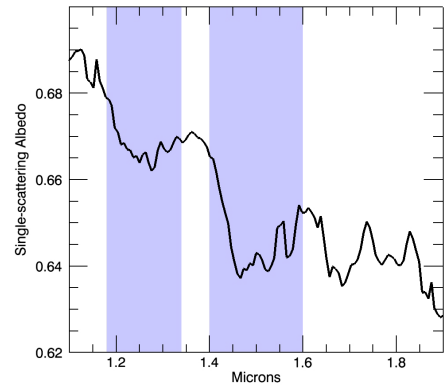
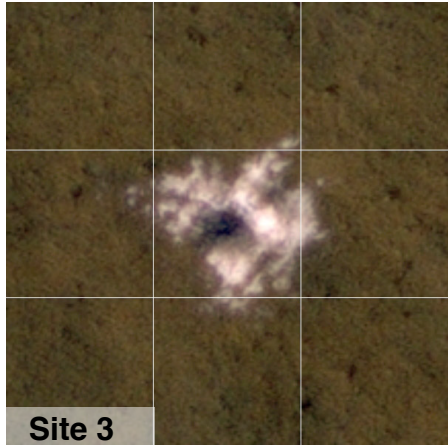


Figure 4

	Lon.	Lat.	Latest Before	Soonest After	HiRISE	L _s /M29
6	305.99°	-50.60°	1/31/2006 L _s 5/M27 V18325004	12/31/2007 L _s 11/M29 P14_006704_1279	PSP_007561_1290	41.8
7	70.10°	-50.16°	11/26/2005 L _s 330/M27 I17522007	1/3/2008 L _s 12/M29 P15_006739_1314	PSP_007596_1295	43.1
8	268.117°	33.15°	4/20/2005 L _s 196/M27 H1616_0000_ND3	7/9/2008 L _s 96/M29 P21_009144_2133	PSP_010634_2135	151.1
9	222.27°	37.46°	12/20/2006 L _s 153/M27 V22246010	3/21/2008 L _s 48/M29 P17_007735_2186	PSP_008236_2180	65.1
10	123.72°	38.92°	6/15/1999 L _s 155/M24 M02-02002	12/25/2007 L _s 8/M29 V26742021	PSP_010547_2195	147.7
11	190.04°	39.55°	12/10/2007 L _s 1/M29 V26565016	10/23/2008 L _s 146/M29 B02_010505_2205	ESP_011428_2200	184.7
12	221.22°	40.31°	2/6/2005 L _s 156/M27 V13972003	6/29/2008 L _s 92/M29 P20_009027_2190	ESP_011295_2205	178.8
13	136.58°	40.35°	4/24/2005 L _s 199/M27 H1632_0000_ND3	3/3/2008 L _s 40/M29 P17_007514_2208	PSP_008015_2205	57.5

Table S1



Figure S1

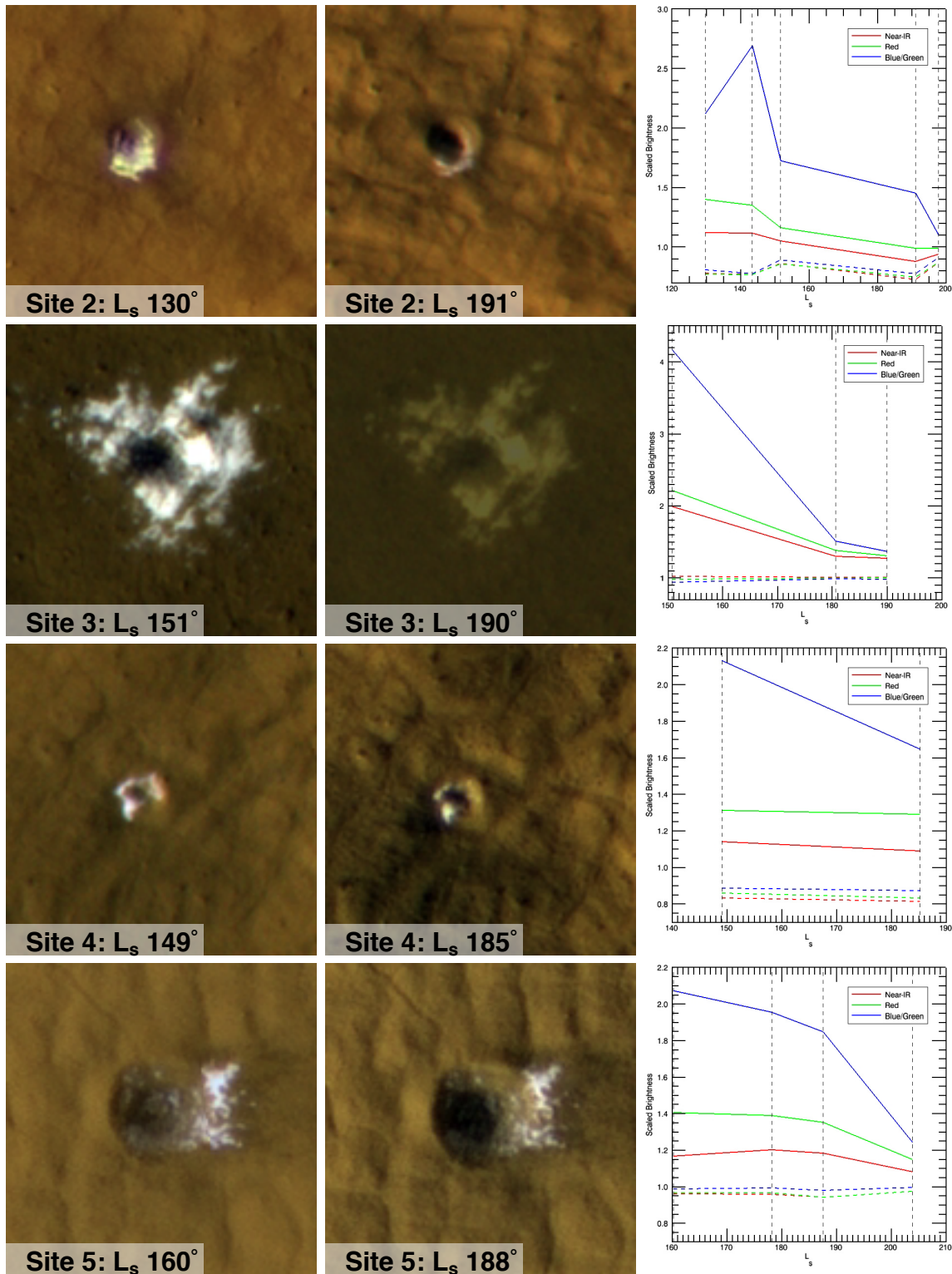


Figure S2

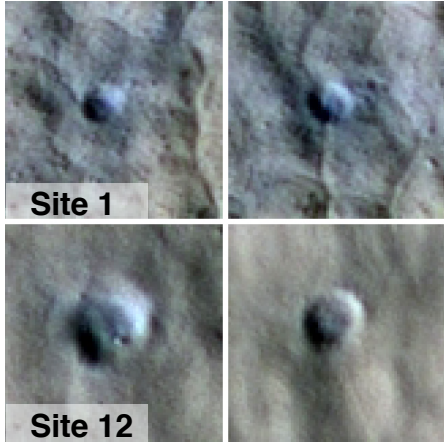


Figure S3

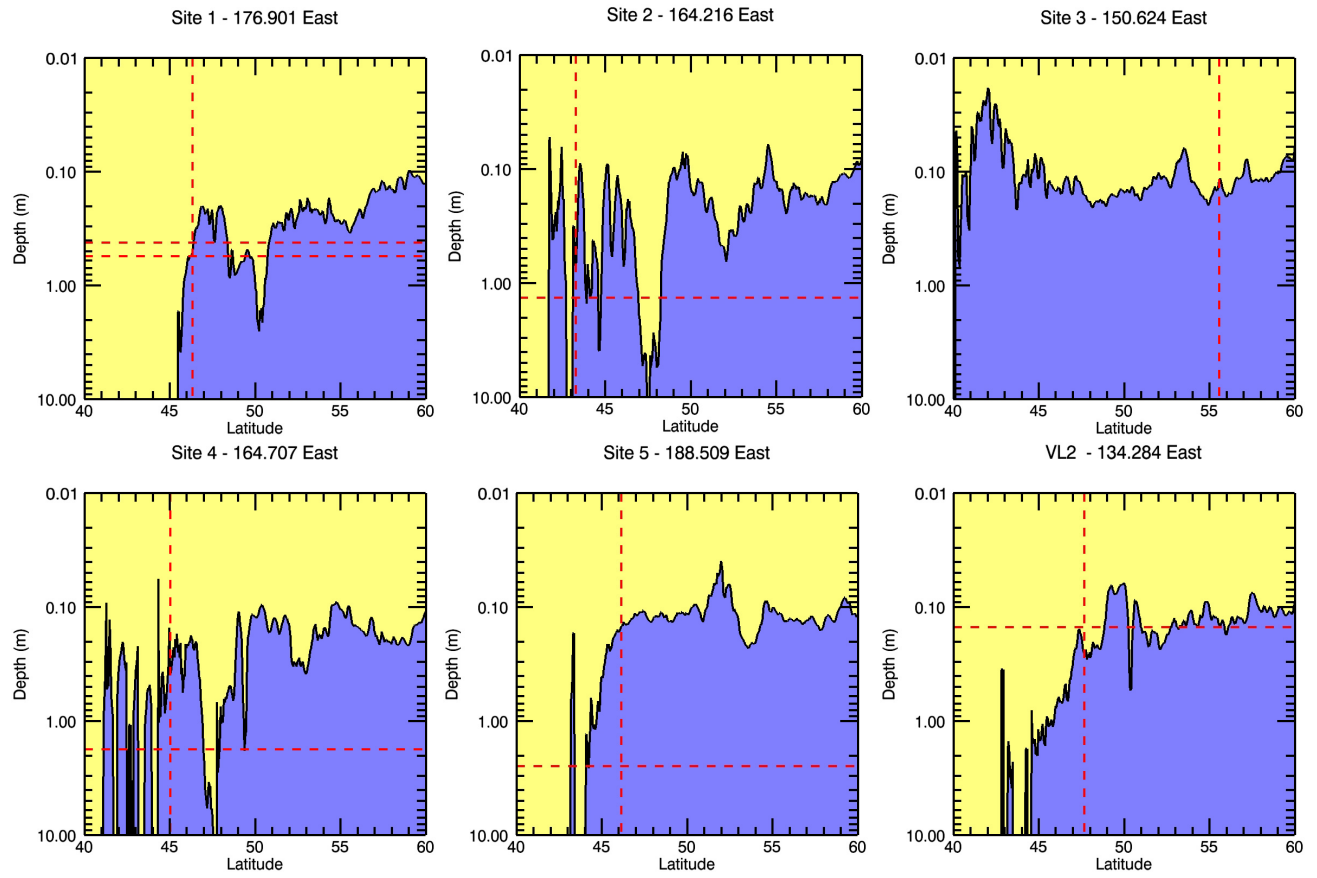


Figure S4