

SOM 1: HiRISE images used in study

Field	HiRISE image ID	Ls	MY	comments
<b>Furya</b>	<b>PSP_010169_265</b>	<b>133.044</b>	<b>29</b>	<b>used for defrosted image comparison w/ MY 30</b>
Furya	PSP_010682_265	153.062	29	small overlap with other images
Furya	ESP_016261_265	37.79	30	small overlap with other images
<b>Furya</b>	<b>ESP_018963_265</b>	<b>132.209</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 29</b>
<b>Kolhar</b>	<b>PSP_008968_265</b>	<b>90.036</b>	<b>29</b>	<b>used for defrosted image comparison w/ MY 30</b>
Kolhar	PSP_009272_265	100.566	29	defrosted
Kolhar	PSP_009324_265	102.385	29	defrosted
Kolhar	ESP_015917_265	25.534	30	mostly frosted
Kolhar	ESP_016036_265	29.812	30	mostly frosted
Kolhar	ESP_016062_265	30.741	30	mostly frosted
Kolhar	ESP_016537_265	47.413	30	mostly frosted
Kolhar	ESP_016682_265	52.413	30	mostly frosted
Kolhar	ESP_016893_265	59.64	30	mostly frosted
Kolhar	ESP_017249_265	71.764	30	mostly frosted
Kolhar	ESP_017460_265	78.945	30	mostly frosted
<b>Kolhar</b>	<b>ESP_017895_265</b>	<b>93.857</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 29 (still frosty in northern area - not used in study)</b>
Kolhar	ESP_017974_265	96.592	30	defrosted (still frosty in northern area - not used in study)
<b>Kolhar</b>	<b>ESP_018937_265</b>	<b>131.229</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 31 (still frosty in northern area - not used in study)</b>
Kolhar	ESP_019161_265	139.765	30	defrosted
Kolhar	ESP_019662_265	159.737	30	defrosted
Kolhar	ESP_019807_265	165.768	30	a bit hazy, defrosted
Kolhar	ESP_026387_265	82.722	31	defrosted (still frosty in northern area - not used in study)
Kolhar	ESP_026598_265	89.95	31	defrosted
Kolhar	ESP_026809_265	97.24	31	defrosted
Kolhar	ESP_027165_265	109.743	31	defrosted
<b>Kolhar</b>	<b>ESP_027521_265</b>	<b>122.598</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 32</b>
<b>Kolhar</b>	<b>ESP_027719_265</b>	<b>129.94</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 30</b>
Kolhar	ESP_028009_265	140.99	31	defrosted
Kolhar	ESP_028167_265	147.176	31	defrosted
Kolhar	ESP_032611_265	349.864	31	frosted
Kolhar	ESP_033112_265	9.382	32	mostly frosted
Kolhar	ESP_033468_265	22.582	32	mostly frosted
Kolhar	ESP_033679_265	30.192	32	mostly frosted
Kolhar	ESP_033890_265	37.672	32	mostly frosted
Kolhar	ESP_034035_265	42.748	32	mostly frosted
Kolhar	ESP_034391_265	55.043	32	mostly frosted

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Kolhar	ESP_034457_265	57.303	32	mostly frosted
Kolhar	ESP_034668_265	64.503	32	mostly frosted
Kolhar	ESP_035024_265	76.614	32	mostly frosted
Kolhar	ESP_035169_265	81.555	32	parts are defrosted
Kolhar	ESP_035380_265	88.775	32	defrosted (still frosty in northern area - not used in study)
Kolhar	ESP_035947_265	108.524	32	defrosted
<b>Kolhar</b>	<b>ESP_036369_265</b>	<b>123.758</b>	<b>32</b>	<b>used for defrosted image comparison w/ MY 31, 33</b>
<b>Kolhar</b>	<b>ESP_036646_265</b>	<b>134.109</b>	<b>32</b>	<b>defrosted</b>
<b>Kolhar</b>	<b>ESP_037081_265</b>	<b>151.059</b>	<b>32</b>	<b>defrosted</b>
<b>Kolhar</b>	<b>ESP_037358_265</b>	<b>162.357</b>	<b>32</b>	<b>hazy, defrosted</b>
<b>Kolhar</b>	<b>ESP_037991_265</b>	<b>189.805</b>	<b>32</b>	<b>very hazy, defrosted</b>
<b>Kolhar</b>	<b>ESP_041433_265</b>	<b>350.096</b>	<b>32</b>	<b>frosted</b>
<b>Kolhar</b>	<b>ESP_042000_265</b>	<b>12.081</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_042277_265</b>	<b>22.314</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_042422_265</b>	<b>27.562</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_042567_265</b>	<b>32.744</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_042778_265</b>	<b>40.184</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_042989_265</b>	<b>47.524</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_043134_265</b>	<b>52.523</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_043556_265</b>	<b>66.938</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_043701_265</b>	<b>71.869</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_043846_265</b>	<b>76.801</b>	<b>33</b>	<b>mostly frosted</b>
<b>Kolhar</b>	<b>ESP_043978_265</b>	<b>81.298</b>	<b>33</b>	<b>partially defrosted</b>
<b>Kolhar</b>	<b>ESP_044400_265</b>	<b>95.79</b>	<b>33</b>	<b>defrosted</b>
<b>Kolhar</b>	<b>ESP_044822_265</b>	<b>110.598</b>	<b>33</b>	<b>defrosted</b>
<b>Kolhar</b>	<b>ESP_045178_265</b>	<b>123.474</b>	<b>33</b>	<b>used for defrosted image comparison w/ MY 32</b>
<b>Buzzel</b>	<b>ESP_017768_264</b>	<b>89.48</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 31</b>
Buzzel	ESP_018427_264	112.537	30	defrosted
Buzzel	ESP_024348_264	11.352	31	mostly frosted
Buzzel	ESP_024414_264	13.823	31	mostly frosted
Buzzel	ESP_024704_264	24.48	31	mostly frosted
Buzzel	ESP_024981_264	34.398	31	mostly frosted
Buzzel	ESP_025060_264	37.187	31	just the edge of the field, mostly frosted
Buzzel	ESP_025113_264	39.049	31	just the edge of the field, mostly frosted
Buzzel	ESP_025126_264	39.505	31	mostly frosted
Buzzel	ESP_025416_264	49.584	31	just a portion of the field, mostly frosted
Buzzel	ESP_025548_264	54.124	31	mostly frosted
Buzzel	ESP_025561_264	54.57	31	mostly frosted
Buzzel	ESP_025851_264	64.474	31	hazy, mostly frosted

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Buzzel	ESP_026339_264	81.083	31	a bit hazy, defrosted
<b>Buzzel</b>	<b>ESP_026616_264</b>	<b>90.569</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 29</b>
Buzzel	ESP_026761_264	95.575	31	defrosted
<b>Buzzel</b>	<b>ESP_026972_264</b>	<b>102.928</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 32</b>
Buzzel	ESP_027394_264	117.964	31	defrosted
Buzzel	ESP_027724_264	130.127	31	just the edge of the field, defrosted
Buzzel	ESP_027816_264	133.595	31	defrosted
Buzzel	ESP_028660_264	167.317	31	just the edge of the field, defrosted
Buzzel	ESP_032563_264	347.928	31	frosted
Buzzel	ESP_032985_264	4.546	32	frosted
Buzzel	ESP_033077_264	8.056	32	frosted
Buzzel	ESP_033486_264	23.237	32	mostly frosted
Buzzel	ESP_033829_264	35.522	32	mostly frosted
Buzzel	ESP_034185_264	47.953	32	mostly frosted
Buzzel	ESP_034488_264	58.363	32	mostly frosted
Buzzel	ESP_034567_264	61.061	32	mostly frosted
Buzzel	ESP_034765_264	67.805	32	hazy, mostly frosted
Buzzel	ESP_034976_264	74.981	32	mostly defrosted
Buzzel	ESP_035121_264	79.918	32	defrosted
Buzzel	ESP_035332_264	87.128	32	defrosted
Buzzel	ESP_035477_264	92.112	32	defrosted
Buzzel	ESP_035543_264	94.39	32	defrosted
Buzzel	<b>ESP_035926_264</b>	<b>107.78</b>	<b>32</b>	<b>used for defrosted image comparison w/ MY 31</b>
<b>Tleilax</b>	<b>ESP_018036_263</b>	<b>98.747</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 31</b>
Tleilax	ESP_018814_263	126.633	30	edge of field, defrosted
Tleilax	ESP_018839_263	127.563	30	defrosted
Tleilax	ESP_019025_263	134.556	30	defrosted
Tleilax	ESP_019143_263	139.071	30	defrosted
Tleilax	ESP_019592_263	156.867	30	defrosted
Tleilax	ESP_019803_263	165.6	30	defrosted
Tleilax	ESP_024405_263	13.487	31	mostly frosted
Tleilax	ESP_024616_263	21.278	31	edge of field, frosted
Tleilax	ESP_024708_263	24.625	31	mostly frosted
Tleilax	ESP_024814_263	28.446	31	edge of field, mostly frosted
Tleilax	ESP_024972_263	34.079	31	mostly frosted
Tleilax	ESP_025051_263	36.87	31	mostly frosted
Tleilax	ESP_025117_263	39.19	31	mostly frosted
Tleilax	ESP_025328_263	46.542	31	mostly frosted
Tleilax	ESP_025381_263	48.375	31	edge of field, mostly frosted
Tleilax	ESP_025460_263	51.1	31	mostly frosted

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Tleilax	ESP_025539_263	53.815	31	mostly frosted
Tleilax	ESP_025895_263	65.972	31	mostly frosted
Tleilax	ESP_026119_263	73.591	31	partially defrosted
Tleilax	ESP_026317_263	80.333	31	partially defrosted
Tleilax	ESP_026449_263	84.841	31	mostly defrosted
<b>Tleilax</b>	<b>ESP_026884_263</b>	<b>99.85</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 30, 32</b>
Tleilax	ESP_026950_263	102.157	31	defrosted
Tleilax	ESP_027306_263	114.786	31	defrosted
Tleilax	ESP_027517_263	122.451	31	defrosted
Tleilax	ESP_027728_263	130.277	31	defrosted
Tleilax	ESP_027939_263	138.288	31	defrosted
Tleilax	ESP_032554_263	347.563	31	frosted
Tleilax	ESP_032897_263	1.153	32	frosted
Tleilax	ESP_033121_263	9.722	32	mostly defrosted
Tleilax	ESP_033464_263	22.436	32	mostly defrosted
Tleilax	ESP_033820_263	35.203	32	mostly defrosted
Tleilax	ESP_034044_263	43.061	32	mostly defrosted
Tleilax	ESP_034387_263	54.906	32	mostly defrosted
Tleilax	ESP_034532_263	59.866	32	mostly defrosted
Tleilax	ESP_034611_263	62.561	32	mostly defrosted
Tleilax	ESP_034743_263	67.056	32	mostly defrosted
Tleilax	ESP_035033_263	76.92	32	mostly frosted
Tleilax	ESP_035310_263	86.374	32	defrosted
Tleilax	ESP_035455_263	91.354	32	a bit hazy, defrosted
<b>Tleilax</b>	<b>ESP_035666_263</b>	<b>98.657</b>	<b>32</b>	<b>used for defrosted image comparison w/ MY 31</b>
<b>Arrakis</b>	<b>PSP_009439_260</b>	<b>106.429</b>	<b>29</b>	<b>used for defrosted image comparison w/ MY 30</b>
Arrakis	ESP_015966_260	27.3	30	very hazy, frosted <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016032_260	29.668	30	<i>lack of activity</i> <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016111_260	32.486	30	<i>lack of activity</i> <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016243_260	37.156	30	<i>lack of activity</i> <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016388_260	42.237	30	<i>lack of activity</i> <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016520_260	46.824	30	<i>lack of activity</i> <i>mostly frosted, not inspected as didn't seem useful given</i>
Arrakis	ESP_016612_260	50.003	30	<i>lack of activity</i>

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Arrakis	ESP_016744_260	54.541	30	<i>mostly frosted, not inspected as didn't seem useful given lack of activity</i>
Arrakis	ESP_016955_260	61.755	30	<i>mostly frosted, not inspected as didn't seem useful given lack of activity</i>
Arrakis	ESP_017100_260	66.695	30	<i>mostly frosted, not inspected as didn't seem useful given lack of activity</i>
Arrakis	ESP_017311_260	73.872	30	<i>mostly frosted, not inspected as didn't seem useful given lack of activity</i>
Arrakis	ESP_017456_260	78.808	30	very hazy, defrosted
Arrakis	ESP_017522_260	81.059	30	very hazy, defrosted
<b>Arrakis</b>	<b>ESP_018445_260</b>	<b>113.182</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 29</b>
<b>Chusuk</b>	<b>ESP_027758_257</b>	<b>131.404</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 32</b>
Chusuk	ESP_028035_257	141.999	31	defrosted
Chusuk	ESP_032571_257	348.25	31	frosted
Chusuk	ESP_032993_257	4.852	32	small portion of the field, mostly frosted
Chusuk	ESP_033494_257	23.527	32	mostly frosted
Chusuk	ESP_033771_257	33.467	32	mostly frosted
Chusuk	ESP_033916_257	38.585	32	mostly frosted
Chusuk	ESP_034127_257	45.945	32	mostly frosted
Chusuk	ESP_034272_257	50.954	32	mostly frosted
Chusuk	ESP_034483_257	58.192	32	mostly frosted
Chusuk	ESP_034839_257	70.321	32	mostly defrosted
Chusuk	ESP_034984_257	75.252	32	mostly defrosted
Chusuk	ESP_035195_257	82.442	32	defrosted
Chusuk	ESP_035617_257	96.953	32	defrosted
<b>Chusuk</b>	<b>ESP_036540_257</b>	<b>130.11</b>	<b>32</b>	<b>used for defrosted image comparison w/ MY 31</b>
<b>Palma</b>	<b>PSP_009743_256</b>	<b>117.292</b>	<b>29</b>	<b>used for defrosted image comparison w/ MY 30</b>
Palma	ESP_018011_256	97.876	30	defrosted
<b>Palma</b>	<b>ESP_018525_256</b>	<b>116.058</b>	<b>30</b>	<b>used for defrosted image comparison w/ MY 29</b>
Palma	ESP_024103_256	2.018	31	frosted
Palma	ESP_024736_256	25.637	31	mostly frosted
Palma	ESP_025092_256	38.311	31	mostly frosted
Palma	ESP_025448_256	50.686	31	mostly frosted
Palma	ESP_026226_256	77.231	31	mostly defrosted
Palma	ESP_026516_256	87.134	31	a bit hazy, defrosted
Palma	ESP_026648_256	91.671	31	defrosted
Palma	ESP_027070_256	106.376	31	defrosted
<b>Palma</b>	<b>ESP_027215_256</b>	<b>111.524</b>	<b>31</b>	<b>used for defrosted image comparison w/ MY 30, 32</b>
Palma	ESP_027703_256	129.34	31	defrosted

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Palma	ESP_027914_256	137.328	31	defrosted
Palma	ESP_032450_256	343.32	31	frosted
Palma	ESP_032872_256	0.181	32	frosted
Palma	ESP_033373_256	19.106	32	mostly frosted
Palma	ESP_033729_256	31.975	32	mostly frosted
Palma	ESP_033940_256	39.427	32	mostly frosted
Palma	ESP_034151_256	46.776	32	mostly frosted
Palma	ESP_034441_256	56.755	32	mostly frosted
Palma	ESP_034718_256	66.205	32	mostly frosted
Palma	ESP_034863_256	71.137	32	partially defrosted
Palma	ESP_035074_256	78.316	32	mostly defrosted
Palma	ESP_035219_256	83.261	32	defrosted
Palma	ESP_035588_256	95.947	32	defrosted
Palma	ESP_035641_256	97.786	32	defrosted
<b>Palma</b>	<b>ESP_035997_256</b>	<b>110.299</b>	<b>32</b>	<b>used for defrosted image comparison w/ MY 31</b>