

# Satellite Passes for Field Day 2018

## Sat Jun 23 @14:00 to Sun Jun 24 @ 13:59 EDT

### ANALOG BIRDS

#### AO-7

23-Jun 14:52	SSE 151°	15:03	ENE 70°	71°	15:14	N 345°	-	<a href="#">Map and details</a>
23-Jun 16:47	SSW 201°	16:56	W 265°	26°	17:06	NNW 331°	-	<a href="#">Map and details</a>
24-Jun 02:54	NNE 30°	03:03	E 91°	21°	03:13	SSE 153°	-	<a href="#">Map and details</a>
24-Jun 04:46	NNE 16°	04:57	WNW 290°	82°	05:08	SSW 204°	-	<a href="#">Map and details</a>
24-Jun 06:39	N 8°	06:49	NW 309°	20°	06:57	WSW 254°	-	<a href="#">Map and details</a>

#### FO-29

23-Jun 19:33	NNE 17°	19:40	E 98°	63°	19:48	S 186°	+10.4	<a href="#">Map and details</a>
23-Jun 21:18	N 357°	21:25	WNW 299°	18°	21:31	WSW 240°	+12.0	<a href="#">Map and details</a>
24-Jun 05:46	SE 133°	05:53	ENE 65°	27°	06:00	N 1°	+11.5	<a href="#">Map and details</a>
24-Jun 07:30	S 185°	07:38	W 264°	41°	07:45	NNW 338°	+11.0	<a href="#">Map and details</a>

**AO-73**

23-Jun 18:24	ESE 118°	18:30	ENE 62°	14°	18:34	N 11°	-	<a href="#">Map and details</a>
23-Jun 19:59	S 176°	20:05	W 261°	59°	20:11	NNW 344°	-	<a href="#">Map and details</a>
24-Jun 07:47	NNE 27°	07:52	E 98°	23°	07:58	SSE 162°	-	<a href="#">Map and details</a>
24-Jun 09:23	N 360°	09:28	WNW 292°	28°	09:34	SW 223°	-	<a href="#">Map and details</a>

**XW-2A**

23-Jun 20:01	SSE 164°	20:06	ESE 120°	76°	20:11	N 350°	-	<a href="#">Map and details</a>
24-Jun 08:54	N 13°	09:00	ESE 118°	80°	09:05	S 191°	-	<a href="#">Map and details</a>

**XW-2B**

23-Jun 17:30	SE 148°	17:35	ENE 72°	37°	17:41	N 357°	-	<a href="#">Map and details</a>
23-Jun 19:05	SW 211°	19:10	W 269°	14°	19:14	NW 324°	-	<a href="#">Map and details</a>
24-Jun 06:35	NNE 17°	06:41	E 93°	54°	06:46	S 182°	-	<a href="#">Map and details</a>
24-Jun 08:10	N 348°	08:15	WNW 298°	12°	08:19	WSW 246°	-	<a href="#">Map and details</a>

**XW-2C**

23-Jun 16:41	ESE 114°	<b>16:45</b>	<b>ENE</b> <b>64°</b>	<b>11°</b>	16:49	NNE 16°	-	<a href="#">Map and details</a>
23-Jun 18:13	S 176°	<b>18:19</b>	<b>W</b> <b>259°</b>	<b>57°</b>	18:24	NNW 343°	-	<a href="#">Map and details</a>
24-Jun 05:45	NE 34°	<b>05:50</b>	<b>E</b> <b>89°</b>	<b>14°</b>	05:55	SE 147°	-	<a href="#">Map and details</a>
24-Jun 07:19	N 4°	<b>07:25</b>	<b>W</b> <b>280°</b>	<b>40°</b>	07:30	SW 212°	-	<a href="#">Map and details</a>

**XW-2D**

23-Jun 17:05	SE 133°	<b>17:10</b>	<b>ENE</b> <b>72°</b>	<b>21°</b>	17:15	N 5°	-	<a href="#">Map and details</a>
23-Jun 18:39	S 194°	<b>18:44</b>	<b>W</b> <b>260°</b>	<b>26°</b>	18:49	NNW 334°	-	<a href="#">Map and details</a>
24-Jun 06:10	NNE 25°	<b>06:16</b>	<b>E</b> <b>96°</b>	<b>28°</b>	06:21	S 166°	-	<a href="#">Map and details</a>
24-Jun 07:44	N 356°	<b>07:50</b>	<b>WNW</b> <b>291°</b>	<b>20°</b>	07:54	SW 230°	-	<a href="#">Map and details</a>

**XW-2F**

23-Jun 17:18	SE 138°	<b>17:23</b>	<b>ENE</b> <b>72°</b>	<b>25°</b>	17:28	N 3°	-	<a href="#">Map and details</a>
23-Jun 18:52	SSW 199°	<b>18:57</b>	<b>W</b> <b>263°</b>	<b>21°</b>	19:02	NNW 331°	-	<a href="#">Map and details</a>
24-Jun 06:23	NNE 22°	<b>06:28</b>	<b>E</b> <b>94°</b>	<b>34°</b>	06:34	S 172°	-	<a href="#">Map and details</a>
24-Jun 07:57	N 353°	<b>08:02</b>	<b>WNW</b> <b>291°</b>	<b>17°</b>	08:07	SW 234°	-	<a href="#">Map and details</a>

**ZHUHAI-1 01 (CAS 4A)**

22-Jun 15:17	W 262°	<b>15:23</b>	<b>N</b> <b>2°</b>	<b>81°</b>	15:29	E 81°	-	<a href="#">Map and details</a>
22-Jun 16:57	W 280°	<b>17:03</b>	<b>NE</b> <b>31°</b>	<b>83°</b>	17:09	E 99°	-	<a href="#">Map and details</a>
22-Jun 18:37	W 283°	<b>18:43</b>	<b>SSW</b> <b>206°</b>	<b>39°</b>	18:49	SE 131°	-	<a href="#">Map and details</a>
23-Jun 11:48	SSW 197°	<b>11:53</b>	<b>SE</b> <b>143°</b>	<b>14°</b>	11:58	E 89°	-	<a href="#">Map and details</a>
23-Jun 13:27	SW 237°	<b>13:33</b>	<b>SSE</b> <b>157°</b>	<b>52°</b>	13:39	E 77°	-	<a href="#">Map and details</a>

**ZHUHAI-1 02 (CAS 4A)**

23-Jun 13:55	WSW 246°	<b>14:01</b>	<b>S</b> <b>172°</b>	<b>69°</b>	14:07	E 77°	-	<a href="#">Map and details</a>
23-Jun 15:35	W 271°	<b>15:41</b>	<b>N</b> <b>360°</b>	<b>73°</b>	15:47	E 87°	-	<a href="#">Map and details</a>
23-Jun 17:15	W 283°	<b>17:22</b>	<b>S</b> <b>186°</b>	<b>73°</b>	17:27	ESE 112°	-	<a href="#">Map and details</a>
23-Jun 18:56	W 280°	<b>19:01</b>	<b>SW</b> <b>215°</b>	<b>22°</b>	19:07	SE 149°	-	<a href="#">Map and details</a>
24-Jun 12:06	SW 216°	<b>12:11</b>	<b>SSE</b> <b>151°</b>	<b>25°</b>	12:17	E 80°	-	<a href="#">Map and details</a>
24-Jun 13:45	WSW 251°	<b>13:51</b>	<b>SSE</b> <b>159°</b>	<b>79°</b>	13:57	E 77°	-	<a href="#">Map and details</a>

## FM BIRDS

### SO-50

23-Jun 15:05	W 279°	<b>15:10</b>	<b>NW</b> <b>328°</b>	<b>10°</b>	15:15	NNE 17°	-	<a href="#">Map and details</a>
23-Jun 20:12	NNW 336°	<b>20:19</b>	<b>NE</b> <b>41°</b>	<b>24°</b>	20:25	ESE 110°	-	<a href="#">Map and details</a>
23-Jun 21:53	NW 321°	<b>22:00</b>	<b>SW</b> <b>237°</b>	<b>52°</b>	22:06	SSE 163°	-	<a href="#">Map and details</a>
24-Jun 12:07	SSW 196°	<b>12:13</b>	<b>ESE</b> <b>116°</b>	<b>47°</b>	12:20	NE 40°	-	<a href="#">Map and details</a>
24-Jun 13:48	WSW 249°	<b>13:54</b>	<b>NW</b> <b>316°</b>	<b>24°</b>	14:00	NNE 23°	-	<a href="#">Map and details</a>

### AO-85

23-Jun 19:32	SW 211°	<b>19:39</b>	<b>S</b> <b>181°</b>	<b>90°</b>	19:46	NE 34°	-	<a href="#">Map and details</a>
23-Jun 21:14	W 263°	<b>21:20</b>	<b>NW</b> <b>325°</b>	<b>16°</b>	21:26	NNE 22°	-	<a href="#">Map and details</a>
24-Jun 02:22	NNW 337°	<b>02:29</b>	<b>NE</b> <b>38°</b>	<b>18°</b>	02:35	E 97°	-	<a href="#">Map and details</a>
24-Jun 04:03	NW 327°	<b>04:10</b>	<b>E</b> <b>80°</b>	<b>83°</b>	04:18	SE 147°	-	<a href="#">Map and details</a>
24-Jun 05:44	NW 307°	<b>05:50</b>	<b>WSW</b> <b>254°</b>	<b>15°</b>	05:56	SSW 202°	-	<a href="#">Map and details</a>

**AO-91**

23-Jun 14:48	SW 227°	<b>14:53</b>	<b>W</b> <b>275°</b>	<b>10°</b>	14:59	NW 322°	-	<a href="#">Map and details</a>
24-Jun 00:59	NNE 26°	<b>01:06</b>	<b>E</b> <b>93°</b>	<b>21°</b>	01:11	SSE 155°	-	<a href="#">Map and details</a>
24-Jun 02:35	N 5°	<b>02:42</b>	<b>WNW</b> <b>296°</b>	<b>40°</b>	02:48	SW 215°	-	<a href="#">Map and details</a>
24-Jun 11:56	SE 127°	<b>12:02</b>	<b>ENE</b> <b>62°</b>	<b>22°</b>	12:09	N 3°	-	<a href="#">Map and details</a>
<b>24-Jun 13:31</b>	<b>S</b> <b>180°</b>	<b>13:38</b>	<b>W</b> <b>268°</b>	<b>52°</b>	<b>13:45</b>	<b>NNW</b> <b>342°</b>	<b>-</b>	<b><a href="#">Map and details</a></b>

**AO-92**

23-Jun 21:37	SSE 155°	<b>21:43</b>	<b>E</b> <b>81°</b>	<b>51°</b>	21:48	N 354°	-	<a href="#">Map and details</a>
<b>24-Jun 10:39</b>	<b>NNE</b> <b>15°</b>	<b>10:45</b>	<b>E</b> <b>90°</b>	<b>65°</b>	<b>10:50</b>	<b>S</b> <b>187°</b>	<b>-</b>	<b><a href="#">Map and details</a></b>