

Teledyne Selects Orbit Logic Software for ISS Imaging Platform Operations

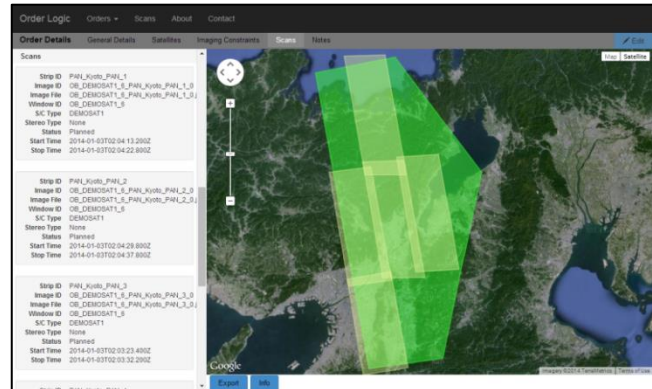
GREENBELT, MD (September 3, 2015) – Orbit Logic announced today that Teledyne Brown Engineering, Inc. (TBE) of Huntsville, AL has selected Orbit Logic's Collection Planning & Analysis Workstation (CPAW) and Order Logic software for its Multi User System for Earth Sensing (MUSES) ground system. Order Logic will be used for imagery order management with CPAW as the planning engine.

MUSES, an Earth-observation platform being developed by TBE, will be externally located on the International Space Station (ISS) and is capable of hosting four instruments simultaneously. As part of collaboration with the German Aerospace Center, or DLR, the first instrument to be hosted aboard MUSES will be the DLR Earth Sensing Imaging Spectrometer, or DESIS. Working in the wavelength range from visible through the near infrared, this spectral imaging instrument will enable the precise data acquisition of images of Earth's surface. The MUSES platform is planned for launch to the ISS in 2016, followed by the DESIS in early 2017.

Order Logic will provide web-based management and tracking of imaging requests. Order Logic allows TBE and other users to create, edit, and track the status of imagery orders; visualize planned imaging operations; and access feasibility tools that enhance understanding of when new images of specific targets are likely to be available. Logins, configurable permissions, and other access management features ensure that users are limited to the capabilities and data for which they are authorized.

Index	Yr	Task Order	Yr	Ship	Yr	Screen	Yr	Status	Yr	Imaging Start Time	Yr	Start	Yr	Duration	Yr	CCF	Yr	Max	CCF	Yr	Start	Yr	End	Yr	Max	Incidence	Yr	Max	Incidence	Yr	Alt		
1	EO	Assessment	EO	Assessment_PAN_0	238	Available	2011-05-21T01:14:38.000Z	N	178	0	32	178	2.852	2.827	N																		
2	EO	Assessment	EO	Assessment_PAN_1	239	Available	2011-05-21T01:14:38.000Z	N	83	0	32	83	2.862	2.827	N																		
3	EO	Assess	EO	Assess_PAN_0	240	Available	2011-05-21T01:14:38.000Z	N	23.4	18	20	1780	2.893	2.899	N																		
4	EO	Assess	EO	Assess_PAN_1	241	Available	2011-05-21T01:14:38.000Z	N	23.4	18	20	1780	2.893	2.899	N																		
5	EO	Assess	EO	Assess_PAN_2	242	Available	2011-05-21T01:14:38.000Z	N	23.4	18	20	1780	2.893	2.899	N																		
6	EO	Assess	EO	Assess_PAN_3	243	Available	2011-05-21T01:14:38.000Z	N	23.4	18	20	1780	2.893	2.899	N																		
7	EO	Assess	EO	Assess_PAN_4	244	Available	2011-05-21T01:14:38.000Z	N	23.4	18	20	1780	2.893	2.899	N																		
8	EO	Beam	EO	Beam_PAN_0	214	Available	2011-05-21T01:14:38.000Z	N	18.4	0	40	824	18.275	20.757	N																		
9	EO	Choke	EO	Choke_PAN_0	165	Available	2011-05-21T01:14:38.000Z	N	3.4	0	42	368	18.845	19.968	N																		
10	EO	Choke	EO	Choke_PAN_1	209	Available	2011-05-21T01:14:38.000Z	N	3.4	0	42	368	18.845	19.968	N																		
11	EO	Beam	EO	Beam_PAN_0	162	Available	2011-05-21T01:14:38.000Z	N	8.2	11	35	465	22.051	22.465	N																		
12	EO	Beam	EO	Beam_PAN_1	193	Available	2011-05-21T01:14:38.000Z	N	2.0	0	20	1738	3.759	4.037	N																		
13	EO	Par	EO	Par_PAN_0	176	Available	2011-05-21T01:14:38.000Z	N	17.6	1	20	1738	28.855	28.168	31.877	32.269	N																
14	EO	Par	EO	Par_PAN_1	177	Available	2011-05-21T01:14:38.000Z	N	2.0	0	20	1738	2.447	2.962	N																		
15	EO	Par	EO	Par_PAN_2	172	Available	2011-05-21T01:14:38.000Z	N	2.0	0	20	1738	2.471	2.234	N																		
16	EO	Par	EO	Par_PAN_3	178	Available	2011-05-21T01:14:38.000Z	N	2.0	0	20	1738	2.468	2.264	N																		
17	EO	Par	EO	Par_PAN_4	171	Available	2011-05-21T01:14:38.000Z	N	2.0	0	20	1738	3.75	2.444	N																		

CPAW Tabular Planning GUI



Order Logic Web Application

Orbit Logic's Collection Planning & Analysis Workstation (CPAW) software uses high fidelity system modeling and advanced scheduling algorithms to generate valid and optimized imagery collection plans for use in spacecraft operations, analysis, or imagery ordering. CPAW covers everything from contact scheduling and recorder management to power and antenna modeling while accounting for imaging platform maneuverability, system availability, timing constraints, and sensor capabilities. CPAW will be configured to model the MUSES platform and attached sensors, including DESIS. CPAW will generate operational imaging plans and downlink plans within ISS and MUSES operational constraints.

“Orbit Logic came in with a set of configurable COTS tools that addressed all of our mission planning and order management needs.” said Ray Perkins, Chief Engineer, Hyperspectral Remote Sensing with Teledyne Brown Engineering. “The folks at Orbit Logic

are very experienced at mission planning, and their unique products will allow us to save time and money and focus resources on the hardware and other aspects of the mission and ground system.”

Orbit Logic (www.orbitlogic.com) specializes in mission planning and scheduling solutions for aerospace and geospatial intelligence. Orbit Logic's operationally proven COTS products create better plans faster with fewer resources for all mission phases. Orbit Logic engineering services are available to configure, customize, and integrate Orbit Logic's mobile, web-based, and desktop applications to provide turn-key operational solutions that leverage the latest available technologies to meet customer goals and exceed their expectations.

For additional information regarding this press release contact Ella Herz at 301-982-6234 or via email at ella.herz@orbitlogic.com