EC08 Daily Report
31 Jul 08

Australia – DIGO

Location: DIGO in Canberra, Australia
POC(s): Jeff Frazier / Mitch Honeysett

- o Personnel: 7 personnel with no issues to report
- o Activities:
    - Summary of Planned Activities: Practice/Train on PED process
    - Significant Issue:
        - Hawaii SBM were informed of incorrect EC08 completion dates; GBS feed was down for a few hours
        - Issues ingesting imagery into local Co-Host (See Comments)
- o Summary:
    - Success: Successfully produced 02 CGS products using PMM and confirmed from TGTMGR in China Lake
    - Lesson Learned: Need to have better understanding of how imagery metadata is associated with ingesting it into the Co-Host
- o Additional Comments: Will produce an after-action report (AAR) with regards to GBS support, 'Hawaii SBM issues', 'Co-Host support', and 'Software license keys'
    - Have discussed with Steve Etheridge and Curt Becker about the Co-Host issues

DGS-X

Location: Langley AFB, DGS-X
POC(s): Chris Hadley

- o Personnel: 3 personnel with no issues to report
- o Activities:
    - Summary of Planned Activities:
        - Support DIB federation across the DDTE enterprise
        - Function as a TPED node for U-2 and Global Hawk missions
        - Test DCGS 10.2 ingest capabilities of other available imagery from additional platform during EC08
    - Significant Issue: We cannot connect to the Cross Domain Solution due to the fact that the Guards in place are not compatible with the data schema of our DIB 1.1
- o Imagery Products:
    - Products Collected:
        - Targeting data from CGS
        - MPEG
        - Raw data from the GH & U-2 missions
    - Imagery Quality: IMINT appears to be fair quality
- o Summary:
    - Successes:
        - We were able to successfully access raw imagery from the previous day's Global Hawk mission
            - o We produced several products and satisfied our exploitation tasking for that mission
        - DGS-X properly executed their role as a PED node for the 31 July U-2 mission
            - o IMINT products were posted to the DIB and made available to the enterprise through DIB federation

- Further established success with DIB federation
    - We have fully federated with 100% of the DDTE only nodes

DTRA Targeting P-ISR and Agent Logic

Location: Michelson Lab (room 409) / WMD Response Cell, Joint Intelligence Lab, Suffolk, VA
POC(s): Evan Madsen / Dave Pyle / Adam Edleman
- Personnel: 3 (1 China Lake; 2 Suffolok) personnel with no issues to report
- Activities:
    - Summary of Planned Activities:
        - Collect lessons learned.
- Summary:
    - Successes:
        - On the 30th, the chemical release portion of the MDA scenario was re-enacted electronically and Agent Logic received notification of the sensor alarm on the DDT&E network. Collecting lessons learned.

JBAIIC

Location: UAV Hangar / Echo Range / Room 136 Michelson Labs, NAWC China Lake, CA
POC(s): CDR "Gus" Crissman / Charley Hart
- Personnel: 22 personnel with no issues to report
- Activities:
    - Summary of Planned Activities: Break down JBAIIC encampment beginning at 0700 on Echo Range
    - Significant Issue: This afternoon, Scan Eagle again flew an airframe configured with imSAR's micro-miniature NanoSAR synthetic aperture radar
        - JBAIIC received the NanoSAR strip map video in the JMSM II as a MPEG-2 with KLV (although the native format is NTSC with ESD) from the PICTE in the Boeing trailer on COI
        - The streaming video was successfully pushed through the RHSG to the CFE network
        - As the Scan Eagle aircraft was restricted by the undulating geography of the high desert to 1,700 ft AGL, the NanoSAR picture (at just 15 watts of power) was not optimum
- Imagery Products:
    - Products Collected:
        - Assets contributing to the JMSM-generated CTP today included:
            - Scan Eagle FMV
            - ShotSpotter gunshot detections
            - Blue Force Tracking
            - Unattended ground sensors
            - JSTARS and Sentinel R1/ASTOR GMTI
            - RC-135/RIVET JOINT and U-2/ASIP SIGINT
        - Multiple simulated air strikes and artillery strikes were coordinated using JADOCS and AFATDS, respectively
- Summary:
    - Success: Successfully integrated MIT/Lincoln Laboratory's Fusion Exploitation Tool (FET) into the JMSM GoogleEarth CTP on CFE
        - FET has the ability to ingest anything in a STANAG 4607 format, which includes JSTARS MTI, Paul Revere SAR and MTI, and P-3 LSRS
        - It can also ingest maritime Automatic Identification System (AIS) data
        - It offers both real-time analysis and the ability to selectively filter MTI data
- Additional Comments:
    - After successfully completing all of our experimental objectives, today JBAIIC focused on continuing to facilitate the EC08 demonstration, functioning as the LANCER 06 Brigade TOC, exercising C2 of LANCER assets, and providing an intelligence picture both to the Convoy Commander and to "higher headquarters" in Michelson Laboratory's Room 136
    - The JMSM/TOC supported two vignettes:
        - The morning's Ranger raid on Objective Rand to capture or kill four HTV's
        - The afternoon's presence patrol, cordon & search, and convoy operations

LOS/BLOS

Location: China Lake / Nellis AFB
POC(s): David Setser / Peter Kuhl

- o Personnel: Approximately 100 personnel at China Lake and Nellis with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:
    - • Planned and flew an airborne networking flight with AWACS; Paul Revere was unable to fly and participated in the network from the ground. Objective was to exercise NTISR and Strike threads using JADOCS, Chat and Airborne Web Services software.
    - • Degraded-network testing was planned.
  - ▪ Significant Issues:
    - • AWACS and Paul Revere accomplished NTISR and Strike threads. XHawk accomplished Link 16 and NTISR threads.
    - • AWACS and PR automatically received post-strike BDA imagery from a JDAM drop; this imagery was published to the airborne network via Airborne Web Services within 15 minutes of the drop
- o Imagery Products:
  - ▪ Products Collected: None.
- o Summary:
  - ▪ Successes:
    - • Good success executing NTISR and CAS threads using PR and AWACS. AWS performance on AWACS and PR was significantly improved.
    - • Automatic publishing of post-strike imagery from JSTARS and F-18 was a big success.