EC08 Daily Report
30 Jul 08

Australia – DIGO

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

- o Personnel: 8 personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities: Practice / train FMV process
  - ▪ Significant Issue: Hawaii SBM went down for scheduled monthly maintenance
- o Additional Comment: Hawaii should notify the relevant EC08 participants of their scheduled maintenance to ensure proper liaison for solutions during mission hours, or postpone maintenance at a mutually suitable time

DHMO/DIA HUMINT Team - MIV-G

Location: Michelson Lab
POC(s): John Grant / Matt Leclaire / Bert Newton / Don Fontenot

- o Personnel: 4 personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:
    - • Brief DVs on MIV-G and PRISM
    - • Test MIV-G on DDTE with Google Earth integration
- o Summary:
  - ▪ Successes:
    - • Briefed DVs on MIV-G and PRISM
    - • First Successful test of MIV-G on DDTE with Google Earth integration

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

- o Personnel: 3 (1 China Lake; 2 Suffolok) personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:
    - • Collect lessons learned

GBS – CFBLNet – Project Diamond

Location: JARIC and Digby
POC(s): Andy McAleer / Flt Lt Neil Towers

- o Personnel: 11 personnel with no issues to report
- o Activities:
  - ▪ Summary of Planned Activities:

- Complete RSTA tasking
- Create product from ASTOR NITF and repost to IPL
- Support China Lake VIP day
  - Significant Issue: Still no GBS data available (FMV only)
    - Investigations ongoing and liaison continues
    - It is pointing to a problem in Norfolk, VA
- Imagery Products:
  - Products Collected: Scan Eagle live video feed
  - Imagery Quality: Video quality fair-to-good today; however, later in the evening it started freezing for about five minutes at a time fairly regularly
- Summary:
  - Successes:
    - Good FMV exploitation – great teamwork with China Lake resulted in positive outcome in Strike serial for VIPs
    - PICTE remains operational and recording 30-second clips to local directory
    - Nice to have SE telemetry / metadata (particularly N arrow) on the actual live feed – thanks for pushing that
  - Lesson Learned: IAs don't like to "game" reports, particularly when everyone in the enterprise can see the FMV too!
    - We understand the requirements for this today, although the confusion between the "game", the "scenario" and TF Lancer's SA was difficult to fight through
  - Where Help is Needed:
    - Still need to discuss CGS/RAPTOR Sensor Model – awaiting guidance from China Lake (via Bill Craig or Sqn Ldr Reeves)
    - Request clarification as to how individual platform and sensor nomenclatures can be easily identified on the CL CFE IPL (we think it is difficult to understand)
    - Request MSR between CP101 and CP102 is changed on GE overlay from OPAL to TOPAZ
    - Is it possible to have MGRS georef data available on GE?
- Additional Comments:
  - Overall, a good shift; we feel our contribution has helped paint a positive picture of EC08, and has supported all the appropriate event objectives
  - Intend to burn ASTOR NITF to CD for test ingest into JARIC IPL – awaiting feedback
  - Digby has stood down from the event

Ground Truth - data collection

Location: Echo Range
POC(s): Kate Hollister

- Personnel: 1 personnel with no issues to report
- Activities:
  - Summary of Planned Activities:
    - Instrumented 18 EC08 vehicles with commercial GPS units that recorded data.
    - Downloaded data and converted to file formats for plain text, GoogleEarth, FalconView, DotMatrix, MTIX, and Matlab.
    - Collected total traffic counts for 4 MSR regions with Metrocount traffic tubes. Logged significant radio traffic.
    - Requested detailed weather data for the exercise period from the China Lake weather group.
- Summary:
  - Successes:
    - Collected GPS track data for all EC08 BLUFOR and OPFOR vehicles. Collected traffic count data.
- Additional Comments:
  - Lincoln Laboratory has recorded GPS track data (3-s interval) for all EC08 vehicles on every mission date since 7/14/08. These data will be available in August, 2008, along with supporting documentation, upon request. Email requests and contact information to Kate Hollister.

JBAIIC

Location: UAV Hangar / Echo Range / Michelson Labs (Room 136), NAWC China Lake, CA
POC(s): CDR "Gus" Crissman / Charley Hart

- o Personnel: 26 personnel with no issues to report
- o Activities:
  - Summary of Planned Activities: Intelligence and C2 support of Lancer 06 Resupply (convoy) efforts
  - Significant Issue: Today, JBAIIC hosted the JFCOM J2, CAPT Hoppa (escorted by LCDR Foster), at the JMSM trailers at the UAV Hangar on Echo Range
    - CDR Crissman and Bill Roeting (of NPS) briefed CAPT Hoppa on JBAIIC's EC08 efforts
    - CAPT Hoppa focused on the implications of the PRC-117G Falcon III radio and spoke with John Wise of Harris at length
    - CAPT Hoppa was pleased to see the PRC-117G was JTRS (Joint Tactical Radio System)-compliant
    - CAPT Hoppa also showed interest in the Scan Eagle UAS, an asset her was involved with while the N2 at C2F, and was briefed by Mark Laville of Boeing
- o Summary:
  - Success: Successfully passed clipped images/target annotations from Scan Eagle FMV to the CFE CTP
    - The images were available by clicking on the GoogleEarth icon as well as overlaid on the GoogleEarth background
    - This involved converting the CoT image message to NITF 2.1, passing the NITF file through the RHSG to CFE, reconstructing a CoT image message from the NITF file, and then sending it to the GoogleEarth and FalconView CTP for display
  - Lesson Learned: Today, beginning at 1300 Pacific Time, ShotSpotter conducted a live-fire event at Charlie Airfield (COP Reno) that kicked off a disparate ISR sensor cueing event
    - The vignette was intended to convert a ShotSpotter detection to a LINK-16 track, and to track a "squirter" from an OPFOR attack on Charlie Airfield, engaging SIGINT, GMTI, and EO FMV for I&W, wide area search and localization
    - The vignette went "south" when there was no available SIGINT platform on station and the available airborne GMTI platform – the Sentinel R1/ASTOR – checked off station after the vignette began late
    - As a result, the JMSM/TOC relied on Scan Eagle to locate and identify the target, which was subsequently engaged by simulated 155mm artillery fire
    - Additionally, for as yet unknown reasons, the ShotSpotter detection did not show up in the COP as a LINK-16 track
    - On a more positive note, Boeing's developmental Multi-Target Track (MTT) was able to develop a "pixel" track (a first during EC08) on the "squirter" but the system "broke lock" when the vehicle made a sharp, high-speed turn
  - Where Help is Needed: Confirmed SensorWeb sensor position messages are now passed through the RHSG to the CFE
    - To achieve this, JBAIIC must correct the SensorWeb CoT message so it complies with the CoT XML message format
    - However, NITFs generated from SensorWeb images are not passing through the RHSG to CFE because the original XML message, which is written in the text segment of the NITF file, is not compliant with the CoT XML schema