

EC08 Daily Report

15 Jul 08

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ASTOR / Sentinel / JAIP

Location: China Lake

POC(s): Maj Herb Maraman / Sqn Ldr Dave Barnes

- Personnel: N/A
- Activities:
 - Summary of Planned Activities: Execution of Scenario 4 and EC08 OBJ
- Imagery Products:
 - Products Collected: MTI
- Summary:
 - Successes: Sentinel R1 radar, SCDL and DIB are all Green

Australia – DIGO

Location: DIGO / Canberra, Australia

POC(s): Jeff Frazier / Mitch Honeysett

- Personnel: 7 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Awaiting KG-250 to arrive
 - Coordinated with China Lake for imagery products to be placed on the CSD server
 - Received imagery products from China Lake at 0500 local
 - Exploit of FMV and still imagery for day's mission not possible due to GBS problems
 - Significant Issue: As per yesterday, re GBS and TIPSYS issues
- Imagery Products: N/A (Due to GBS issues)
- Summary:
 - Success: Received imagery products from China Lake on CSD at 0500 local
 - Where Help is Needed: Additional support was sought for TIPSYS issues from DIGO IT section; no solution has been found as of yet

Canadian Army – Task Force Victory

Location: ECR

POC(s): Major Keith Laughton

- Personnel: 52 personnel [49 at ECR; 3 at Michelson Labs] with no issues to report
- Activities:

- Summary of Planned Events: All sensor deployed through the day
 - Significant Issue: Awaiting resolution of CFE crypto issue
- Imagery Products:
 - Products Collected: Imagery recovered (internally only) from TSK and Coyote
- Summary:
 - Successes:
 - Recovery of (limited) imagery back to Canadian base camp
 - MEWT fully operational
 - Lesson Learned: Internal issue resolutions relevant to Canadian Forces only to date
- Additional Comment: Support from ECR and China Lake Station staff continues to be excellent

DCGS 10.2 – U-2 & Global Hawk – DIB Federation

Location: Langley AFB, DGS-X

POC(s): Chris Hadley

- Personnel: 6 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - DGS-X intends to support DIB federation across the DDTE enterprise
 - DGS-X will function as a TPED node for U-2 and Global Hawk missions
 - Products will be made available through DIB federation and management of the TPED process; will be executed by the Joint ISR Management WG through the CFACC
 - DGS-X intends to test DCGS 10.2 ingest capabilities of other available imagery from additional platforms during EC08
 - Significant Issues: DIB Federation is only partially complete
 - Continue to work through compatibility issues with the different DIB versions spread amongst the DDTE nodes
 - Some system baseline changes are required in order to overcome some of the compatibility problems; however, this places the site DDTE accreditation at risk
 - Working to identify a window of opportunity to take down the DDTE connection in order to apply the changes and run the security accreditation scripts without impacting EC08 operations
- Summary:
 - Success: Continued progress regarding DIB Federation
 - DGS-X has expanded their federation effort to include partial federation with six additional nodes on top of the two nodes completely federated with
 - Lesson Learned:
 - DGS-X is not set up to ingest FMV data on the DDTE network
 - Need to ensure the JISRM personnel are aware of the DGS-X TPED capabilities to facilitate appropriate tasking
- Additional Comments: Was logged onto IWS all day and did not see any other sites available on the server
 - Collaboration with other sites is difficult over VOIP due to busy phone lines
 - It may be easier to communicate if key site personnel are available on IWS in order to receive chat communications regarding any issues that need to be worked
 - Even if the person receiving the message is busy on the VOIP, it is likely that they would see the message on chat when they came back to their workstation
 - Some people may be using Adobe Connect for their collaboration tool but Unix-based systems cannot use Adobe Connect, and are dependent on IWS

DCGS-A V3.0 and V3.1

Location: Danville, Echo, 5013th, and Ft Monmouth

POC(s): David Usechak

- Personnel: 3 personnel at Danville, 2 personnel at Echo, 2 personnel at 513th, and 12 personnel at Ft Monmouth with no issues to report

- Activities:
 - Summary of Planned Activities:
 - Continue to conduct DIB federation with other nodes
 - Attempt to collect sensor data via metadata catalog
 - Attempt to receive and display video data from a UAV fly at Echo range
 - Significant Issue: Guards for cross-domain data sharing are still not in place
 - This will impact the ability to do DIB federation for anyone on CFE (i.e. 513th and DCGS-A at Echo), and no sharing between the DDTE nodes and CFE will occur
 - Cross-domain Guards are supposed to be in place by COB end of this week
 - DIB V1.3B2 patch install and testing will occur this week, or early next week
- Imagery Products:
 - Products Collected: Received MTI data from ASTOR / Sentinel
- Summary:
 - Successes:
 - DCGS-A V3.1 (Ft Monmouth) was able to federate with DGS-X and pull metadata on 1,200 products
 - This was not accomplished for multiple reasons during JEFX – those reasons became lessons learned and allowed us to overcome potential issues in EC08
 - CGS served, for the first time, as the ASTOR / Sentinel ground station and passed collected data to DCGS-A V3.0
 - Other DCGS systems were able to pull this data for viewing via the DIB over the DDTE network
 - Only a few minutes of data was collected because of some issues with the sensor on the ASTOR / Sentinel aircraft
 - Where Help is Needed: Cross Domain guard solution is an overall EC08 problem; if not resolved quickly, it will prohibit anyone on DDTE from passing data to the Coalition network and vice versa
 - The DCGS-A nodes at Echo Range and the 513th, which reside on the Coalition network and without a cross domain guard, will not be able to pass data back and forth to DDTE
- Additional Comments:
 - DCGS-A V3.1: DIB Federation status as of 15 July 2008
 - DCGS-MC TEG Main (Danville, CA) – Yellow
 - NSG FWD (MIC Labs, CA) – Amber (DIB compatibility issues)
 - DCGS-A V3 (Ft Monmouth, NJ) – Green
 - DCGS-A AFATDS Evolution (Ft Monmouth, US) – Green
 - NGA (Reston, VA) – Amber (DIB compatibility issues)
 - AF DCGS (Langley AFB, CA) – Green
 - NSG FWD (PAX River NAS, MD) – Green
 - JIL (Suffolk, VA) – Green
 - We were able to receive MTI data from the ASTOR / Sentinel system
 - We have tested the video capability of the BAL in Michelson Labs and it was successful
 - We will test this capability at Echo on 16 July 08

DCGS-IC, TEG, NSG-Fs, Co-Hosts, CIPs, DEAL

Location: Michelson Lab, Danville, PAX River, Reston, Australia

POC(s): Bob Sacca

- Personnel: Varies with no issues to report
- Activities:
 - Summary of Planned Activities: Continuing to work with the DMO to federate with the various nodes on the networks
 - Please see DMO (James Dentice) for a detailed summary of node activity
- Summary:
 - NSG-F (China Lake): Continuing to work on DIB federation with the DMO representative
 - NSG-F (PAX River): NSTR
 - Co-Hosts: DMO contractors set up DIB Federation with five sites
 - The IESS contractors continued to fine-tune the IESS configuration
 - TEG: Currently on the network and successfully federated with both NSG-F nodes
 - DCGS-IC: Meeting customer representative

- DEAL: Continued low side DIB federation with NGA Reston and NSG FWD #2 on DDTE and continued full federation with DCGS-IC on hi side
- CIP:
 - Testbed – CIP 50 fully functional with v7.0m + RAPTOR II executables
 - TEG – CIP 92 fully functional with v7.0k
 - IBAR – CIP 36 fully functional with v7.0m + RAPTOR II executables

DHMO/DIA HUMINT Team – MIV-G

Location: Michelson Labs and Echo Range

POC(s): John Grant, Mat Leclaire, Bert Newton

- Personnel: 3 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - MIV-G collect of MSR Ruby on Echo Range with two different MIV-G systems to compare and assess quality of motion imagery and size of files
 - Continue to make access to MIV-G data on CFE, COI & DDTE available to all on those networks
 - Access PRISM HUMINT Module
 - Access HOTR on live SIPRNet
 - Significant Issues:
 - Need to collect MIV-G data outside of a convoy situation as convoy kicks up dust to obscure collection
 - Still need to access PRISM to utilize the HUMINT Module
- Imagery Products:
 - Products Collected: MIV-G collected
 - Quality Issues: Dust from convoy obscures collection
- Summary:
 - Lessons Learned: Although the CFE network allowed viewing of MIV-G stored data without attempting to move the large several gigabyte files across the network to the local workstation, that is not true for the COI and DDTE
 - The COI and DDTE access to MIV-G data is through the SensorWeb and is trying to move the MIV-G data from the storage on SensorWeb through the network to the workstation
 - Each file is so large it takes tens of minutes for that to be accomplished, and is thus a death blow to the capability
 - Where Help is Needed: Identifying the configuration that CFE uses to view MIV-G data and determining if that configuration can be utilized through SensorWeb for COI and DDTE

GBS – CFBLNet – Project Diamond

Location: JARIC and Digby

POC(s): Bill Craig (JARIC) / Andy McAleer (JARIC) / Ft Lt Neil Towers (Digby)

- Personnel: 12 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Continue to track completion of SOCET GXP / CGS release
 - Continue to conduct work-up target and set-up of Ops; received FRAGO for Tuesday
 - IA Team working on SOPs to follow during live Ops; working on updating product “templates” from EC07 – awaiting tasking update from TMs
 - Significant Issue: Awaiting repairs to GBS
- Summary:
 - Successes:
 - NGA representative at JARIC signed releaseability paperwork for SOCET GXP / CGS and faxed it to China Lake (Sandy Gamble) – anticipated next step is for China Lake (Duane Brown) to email the JARIC and “locking code” for the software
 - Bill Craig met with Sqn Ldr Robert Walker, Maj Hazel Thomson, Andy Wade, Jason Bashford, and Ralph Richardson to discuss the local Empire Challenge VIP effort for the JARIC (23rd and 24th of July)

- The team developed a draft plan for the VIP days at the JARIC and Bill Craig provided draft materials for briefings and posterboards
- Where Help is Needed: JARIC has seen tasking on the CXP – U-2 platform was assigned to the task – and as of 1800 local, no imagery from any platform has been received by JARIC

JITC – DCGS

Location: Danville, Michelson Labs, Ft Monmouth (NJ), ITSFAC, Charleston (SC), Langley AFB

POC(s): Eric Morgen / Jose Jiminez

- Personnel: 19 personnel [13 personnel at China Lake] with no issues to report
- Activities:
 - Summary of Planned Activities:
 - DCGS-I internal equipment and systems evaluation
 - DCGS-A 5 of 14 DIB enabled nodes federated and passed data
 - DCGS-N IPL installation and correcting issues with IESS
 - DCGS-MC testing on the JSWS and further execution of test plans
 - Motion Imagery: Scan Eagle and Coyote collection and initial analysis
 - NITF: Scan Eagle and ASTOR data analysis
 - MAJIIC continued data transmission; waiting for GBS from China Lake
- Imagery Products:
 - Products Collected:
 - Motion Imagery collected Coyote and Scan Eagle
 - NITF collected Scan Eagle and ASTOR
- Summary:
 - Success: Federation of DCGS-A with DIB-enabled nodes
 - Lesson Learned: For EC09, need to develop, test and implement web tools prior to the exercise

MI Pilot

Location: NAWS China Lake

POC(s): John Bordner

- Personnel: 14 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Scan Eagle sortie flew with good architecture – all but 30 minutes was streamed NRT to CFBL and exploited at the VPC and MAAS workstations
 - General Atomic's King Air flew with HD sensor
 - Since they did not have accreditation for their system, the imagery will be burnt to discs and manually loaded to the exercise networks by tomorrow AM
 - Significant Issue: MUO for FAME connection to CFBL is yet to be signed – that is expected to be signed tomorrow AM to allow FAME connection to the network by tomorrow PM
- Summary:
 - Successes:
 - Solid feed of Scan Eagle imagery, passed through the guards to CFE and exploited by MAAS and VPC
 - Appear to have had a successful King Air sortie – imagery will be exploited tomorrow (during the no-fly day)
 - Lesson Learned: Awaiting feedback from JTACs and fielded forces on usefulness of motion imagery; would like to look at a tighter feedback loop from the front line

Navy Reserve

Location: CAOC, South Range (Red Forces, JBAIIC, TAC-SEE)

POC(s): CAPT Joyce Eastwick / CAPT Keith Heflin

- Personnel: 30 personnel with no issues to report
- Activities:

- Summary of Planned Activities:
 - CAOC: Eight workdays staffed – RAIDER, TPG, CGS, and JADOCs workstations
 - Red Forces: Ten workdays staffed – Provided enlisted personnel for real-time ground scenarios
 - JBAIIC: One workday staffed – Staffed workstation and troubleshoot JADOCs implementation
 - F/A-18 Coordination: Three workdays staffed – Coordination for F/A-18s working TAC-SEE
 - TAC-SEE: Four workdays staffed – Supporting CAS and NTISR operations
 - P3 / Maritime Domain Awareness: Two workdays staffed
 - EC08 Admin Support: Two workdays staffed

Paul Revere

Location: China Lake

POC(s): Dave Genovese

- Personnel: 40 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Empire Challenge LOS/BLOS Flight #1
 - EC08 ISR support Flight #1
 - Mission scrubbed for MX
 - Ground operations conducted utilizing TTNT, INMARSAT and TCDL – most objectives achieved
 - Significant Issue: Mission Scrubbed – MX engine anti-ice valve
- Summary:
 - Success: Ground Mission conducted on the ramp – all systems run over LOS and BLOS network links connected to LOS/BLOS AN Initiative systems in Room 136 and Hanscom AFB
 - Lesson Learned: INMARSAT ISDN circuits into Michelson Labs appear to be out of service
 - Where Help is Needed: Re-establish ISDN circuits to Michelson Labs Room 136

PSTB

Location: Michelson Labs – Room 409

POC(s): Dwayne Squires / Mike Ellert-Beck

- Personnel: 8 personnel with one issues
 - Had one person whose badges were removed because when he went back to have his temporary badge updated, they took it from him saying that his clearance was not sent; it is being worked and should be resolved first thing tomorrow morning
- Activities:
 - Summary of Planned Activities: Provide convoy overwatch for the two individual TF Lancer and TF Victory
 - Significant Issue: Unable to accomplish planned mission because we cannot receive any live GMTI data of sufficient quantity and quality to provide intelligence products
 - It does not appear that this will get any better until JSTARS shows up on 21 Jul 08
- Imagery Products:
 - Products Collected: Started receiving live FMV around noon after software issues were worked out
 - Imagery Quality:
 - Scan Eagle: None
 - ASTOR: Receiving very little GMTI data from ASTOR
 - It is not of good enough quality to work live
 - Tomorrow will make an assessment of quality for forensic work after receiving the complete mission data set
- Summary:
 - Successes:
 - FMV fully online
 - GoogleEarth utilities were all up
 - Established DDTE Wiki Webpage on PSTB server until DDTE Server comes online
 - Analysts began discovering tool and workflow improvement opportunities

- Lessons Learned:
 - There were still some minor tweaks to work out on receiving live GMTI feeds from CGS's, but hard to solve when not receiving good data from collection platform
 - MDA TIG needed to put better control on MDA scenario script
 - Analysts that should not have seen the actual MDA target sites were able to download the KML from the CFE wiki where it was posted for all to see
- Where Help is Needed: It would be helpful to have more collection platforms data available live
 - We realize why they are not, but because they are not this week has turned more into a preparation week as opposed to an operational week
 - It will give us time to use our canned data sets, which we initially were going to use on the "no fly days"