

EC08 Daily Report

14 Jul 08

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ASTOR / Sentinel / JAIP

Location: China Lake, CA

POC(s): Maj Maraman / Sqn Ldr Barnes

- Personnel: N/A
- Activities:
 - Summary of Planned Activities: The goal of the flight was to demonstrate JAIP Scenario Four [refer to JAIP CONEMP for detailed description of scenario four]
 - Exercised ASTOR system
 - Operated Narrow & Wideband data links
 - Collected data
 - Significant Issue: At approximately 1200L the Sentinel experienced a software malfunction that required the aircraft to return to base (China Lake NAS)
 - The software issue could not be resolved prior to off-station, resulting in the cancellation of the flight
- Imagery Products: Post-analysis products will be available on 15 Jul 08
- Summary:
 - Successes:
 - Good communications and coordination with Rivet Joint
 - Good initial communications with TGS; communications then deteriorated
 - The CGS did receive and display a very limited amount of MTI from the Sentinel
 - Data only received on first leg of the sortie due to radar issues
 - A STANAG 4607 data stream was provided to the JSWS at Ft Monmouth, the MTIX at Michelson Labs, and IEWS (x2) at Michelson Labs
 - Test data was sent from the JSWS at Ft Monmouth and the CGS (Danville) to the DCGS-A DIB co-located at Danville
- Other Comments:
 - Technical Summary (US/UK): The CGS (Danville) and JSWS (Michelson Labs) quickly attained SCDL/NDLS link with the ASTOR Sentinel
 - During the course of the two-hour mission, the CGS and JSWS both had issues maintaining the SCDL/NDLS link; the issue is being diagnosed
 - No SAR images were received from the Sentinel
 - Operation Summary (US/UK): The shortage of data and technical issues prevented the accomplishment of the operational objectives

Australia – DIGO

Location: DIGO in Canberra, Australia

POC(s): Jeff Frazier / Mitch Honeysett

- Personnel: 8 personnel with no issues to report
- Activities:

- Summary of Planned Activities:
 - Arranged for shipping of replacement KG-250
 - CSD now have sync with Langley; will try to get sync with China Lake
 - Because of GBS being down on both ends, an attempt will be made to have the imagery for tasks uploaded to the CSD server
 - Exploiting FMV and still imagery for day's mission was not possible due t GBS problems
 - Impute of target data into TIPSY II was not achievable due to minor software issues
- Significant Issue: KG-250 in tamper mode; troubleshoot with viasat helpdesk – having KG-250 shipping from Barksdale AFB to replace tampered KG-250
- Imagery Products: N/A
- Summary:
 - Success: Communications sync with Langley
 - Lesson Learned: Have tamper recovery CIK when deploying with KG-250
 - Where Help is Needed: Due to problems with input of data to the TIPSY program, support is sought from the DIGO-TAS; however, the one expert for the program has now been deployed overseas
 - Support is now minimal due to lack of training of additional staff
 - One member has been able to provide minor support, but is limited in their knowledge of the program

Australia – DIGO – TIPSY/APOLLO

Location: Michelson Labs

POC(s): FLTLT Laura Robin

- Personnel: 2 personnel with no issues to report
- Activities:
 - Summary of Planned Activities: FMV to be sent to Canberra via GBS in near-real-time for exploitation as per CXP
 - Significant Issue: The GBS TIP is CHLK is still unserviceable with reports that it will be serviceable by Wednesday
 - As of this morning, the GBS TIP in Canberra is hard broke – a part has been ordered to be FEDEXed to Canberra
 - Depending on how long the part takes, DIGO will be unable to receive FMV in near-real-time for approximately 3-4 days
 - Still imagery can still be received via the CSD and Co-Host
 - DIGO has therefore requested tasking for the exploitation of still imagery in the interim
 - Recorded FMV can also be transferred to DIGO for exploitation; however, this would result in a delay of approximately one day [in the production of products]
- Imagery Products: N/A
- Summary: NSTR
- Other Comments:
 - There has been a lack of communication between the US and its coalition LOs – some of these problems will hopefully have been resolved by the allocation of mobile phones to ensure that we can be reaches, something that in the future should be done on the first day of the exercise
 - There have been problems with organizing positions in RM 136 for the coalition LOs, and whilst they are now resolved, this should have been fixed last week when initially requested
 - An allocated Floor Plan Manager with decision making authority is recommended in the future
 - Praise to Charles Wiggins for the excellent help he has been providing Australia – he has ensured that our personnel in Canberra have been kept well-informed regarding the situation with GBS; furthermore, he has always provided effective and helpful assistance when requested

Canadian Army – Task Force Victory

Location: ECR

POC(s): Major Keith Laughton

- Personnel: 49 personnel
 - Personnel Issue: There was one injury – a minor burn; evacuated through Echo Range Control
- Activities:
 - Summary of Planned Activities:
 - Deployment of Elements
 - Partially completed connection to CFE [not completed]
 - Significant Issue: Regarding the connection to CFE, there was a crypto issue – expected resolution NLT Wed 16 Jul 08
- Imagery Products: None – there were problems with the main EO/IR sensor [LAV Recce Surveillance System; commonly known as Coyote]
- Summary:
 - Success: Deployed the Mobile Electronic Warfare Team (MEWT)
 - Lesson Learned: Internal for Canadian Forces only at this time
 - Where Help is Needed: Crypto, if not resolved on current schedule
- Additional Comment: Regards and thanks from the Canadian Contingent to ECR and China Lake Station staff for the continuing excellent support

DCGS-A V3.0 and V3.1

Location: Danville, Echo, 513th, and Ft Monmouth

POC(s): David Usechak

- Personnel: 2 personnel at Echo, 3 personnel at 513th, 9 personnel at Ft Monmouth, “XX” personnel listed for Danville with no issues to report
- Activities:
 - Summary of Planned Activities:
 - DIB issues between V1.2 and V1.3 allowing federation among DIBs
 - Continue to work DIB federation issues/cross domain issues
 - Work to get ASTOR/JSTARS data into DCGS-A V3 and onto the DIB for federation
 - Significant Issue: We have a potential cooling issue in the tent at Danville
 - The current AC generator connected to the tent, with the RWS/CGS/DCGS-A V3 equipment all inside the tent and running, the tent has become somewhat unbearable at mid-day, resulting in shutting down of the equipment
 - The outside temperature had climbed to a high of 115 earlier in the week
 - Checking with China Lake logistics support for additional AC was a no go – it would require 2 weeks to get another AC unit on contract and delivered
 - We re-arranged the equipment inside the tent, and if this does not work, we will move the RWS/CGS out and into a building; but we will require the JTT terminal
 - Today the tent stayed cool, but this will be a hit/miss proposition depending on how hot the outside temperature goes and the amount of equipment running inside
- Imagery Products:
 - Products Collected: The Ft Monmouth site CGS was able to receive the ASTOR data
 - The data was processed, and DCGS-A was able to acquire the MTI results via the MDC
- Summary:
 - 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

GBS – CFBLNet – Project Diamond

Location: JARIC and Digby

POC(s): Bill Craig / Andy McAleer

- Personnel: 10 personnel located at JARIC [DIGBY personnel to be obtained at a later time] with no issues to report
- Activities:

- Summary of Planned Activities:
 - Coordinated with on-site NGA representative (Tom “Tex” O’Hare) and China Lake POC (Dr. Louis Miller) to resolve SOCET GXP / CGS (Common Geopositioning Services) releaseability issue
 - Continued to conduct work-up training and set-up of Operations; received FRAGO for Monday
 - 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
 - Imagery Products:
 - Products Collected: Produced in-house template Test product
 - Quality Issue: N/A
 - Summary:
 - Success: Provided JARIC with current / updated documentation, to include: VOIP Directory for EC08; listing of core team China Lake cell phone numbers; RSTA; DCAP

JITC – DCGS

Location: Danville, Michelson Labs, Ft Monmouth (NJ), ITSFAC, Charleston (SC), Langley AFB
POC(s): Eric Morgen / Jose Jiminez

- Personnel: 19 personnel [13 at China Lake] with no issues to report
- Activities:
 - Summary of Planned Activities:
 - DCGS-I execution of test plans based on availability of data
 - DCGS-A execution of test plans based on availability of data
 - DCGS-N travel and preparations for testing
 - DCGS-MC testing on the JSWS and further execution of test plans
 - Motion Imagery: Continued MI collection and data analysis
 - NITF: Continued data analysis
 - MAJIIIC: Passed images from coalition, NATO and EC07 data sources
- Imagery Products:
 - Products Collected: Motion Imagery – collected over 1 GB of data that is being analyzed
- Summary:
 - Success: MAJIIIC is very confident they will have very few issues once the GBS from China Lake is up

MI Pilot

FAME, Smart Video, MISB Pilot, VPC, MAAS

Location: NAWS China Lake
POC(s): John Bordner

- Personnel: 14 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Limited activities today as no Motion Imagery made it across the guard from COI to CFE Net
 - The MISB collected data for analysis with their KVL checking program
 - Significant Issues:
 - FAME is still working on getting network connectivity
 - They were planning on going on to DDT&E, but before their connection it was determined that CFBLNet would be a better choice to facilitate the broadcast of their metadata enhanced stream to Echo Range for display on their Harris radios
 - VPC and MAAS are up, fully functional and awaiting imagery streams
- Imagery Products:
 - Products Collected: No meaningful imagery made it across the guards; by the time the original issue was solved, the Scan Eagle was recovered and the only imagery was from their stationary camera monitoring the UAV launcher
 - Quality Issue: Once fixed, there were no issues
- Summary:

- Success: Scan Eagle UAV flew its first sortie of the day, and passed imagery on the COI to the guards
- Lesson Learned: Original issue was solved, but not in time to take advantage of the UAV imagery – will be ready for tomorrow's collection
- Where Help is Needed: Assuring prompt connection of FAME to CFE network possibly – for now, it looks like it is moving well

OGC Pilot

Location: NGA Reston 2 and 3 / Michelson Labs, China Lake

POC(s): Sam Bacharach / Tom Merkle

- Personnel: 18 personnel at China Lake and 3 personnel at Reston, with no issues to report
- Activities:
 - Summary of Planned Activities:
 - TigerShark dummy load test flight
 - TigerShark electronics and communications test
 - TigerShark camera installation
 - Turn on of CL systems if ATC received from PAX River
- Imagery Products: N/A
- Summary:
 - Successes:
 - ATC received
 - All TigerShark tasks accomplished
 - Client - Server connections between CL and Reston were successful
 - Lesson Learned: CL support personnel remain golden
 - Where Help is Needed: Request better delineation of who we report to and how network issues are resolved

PSTB

Location: Michelson Labs – Room 409

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

- Personnel: 8 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - Use live data to analyze MDA dry run
 - Familiarize analysts that just arrived with new setups and training on newly acquired programs that we have connectivity to, i.e. FET, MAAS, CCA5
- Imagery Products:
 - Products Collected: Received LSRS at 1600
- Summary:
 - Success: Trained analysts; worked through system bugs (such as some users able to connect to FET and CCA5 and some not able to) – organized ourselves better for first mission day tomorrow
 - Lesson Learned: It might have been better to bring analysts on site a little sooner; like Thursday of last week
 - This would have allowed us to in-process them easier and given us time to do what we accomplished today, which was supposed to be the first mission day, but unfortunately was not
 - Where Help is Needed: Minor but could use DDTE wiki and chat; otherwise PSTB is good
- Additional Comment: Not issuing badges for IBAR and then not manning doors closest to and between Rooms 136 and 409 makes things difficult

RAF: 5(AC) Sqn, 56(R) Sqn

Location: China Lake

POC(s): Sqn Ldr Tony Reeves / Flt Lt Chris Bishop

- Personnel: 64 personnel with no issues to report
- Activities:
 - Summary of Planned Activities:
 - 5(AC) Sqn:
 - 1 Sentinel sortie
 - Ground station analysis of GMTI and SAR
 - 56(R) Sqn:
 - Assessment of ASTOR operations / de-risk future deployments
 - Assess NEC capability
 - Assessment of SAR target location error
 - JAIP
 - RAPTOR CSM evaluation
 - REAPER NEC, SAR, TPED and CSM
 - Significant Issues:
 - Sentinel landed U / S after 1:30 hours with mission system problem
 - ASTOR ground CDL antenna suffered difficulties on 11 Jul due to overtemp – system did not show same issues during this sortie, but was not operational for too long
- Imagery Products:
 - Products Collected:
 - ASTOR: 1 x frame GMTI
 - REAPER: SAR imagery provided for ingestion into IPL
 - Quality Issues: None to report
- Summary:
 - Success: NSTR
 - Lessons Learned:
 - Floor manager required for Room 136; seating plan confusing and in error
 - JARIC was missed from CXP for 14/15 Jul – better integration of UK LNO and JISRM required
 - Where Help is Needed:
 - Room 136 seating plan to be agreed, finalized and published
 - Resolve issue with JARIC SOCET GXP licenses
- Additional Comments:
 - Failure of GBS TIP is preventing a major JARIC objective of analyzing FMV
 - SOCET GXP licenses at JARIC are preventing exploitation of still frame imagery