ARM Darwin Research Station Site Visit 0412D Report

Visit Duration: 29 Nov to 07 Dec

Darwin, Australia

SV-0412D					
Site:	te: Proposed Dates on Site: 29Nov04 - 07Dec04				
Team Members: Troy Culgan Mike Alsop Ralph Dedecker	Ship or hand carry prior to SV: AERI TSI (#102)				
	Safety: Major Hazards: Caustic chemicals(KOH), Explosive gas(H2), AC electricity.				
	Hazard Controls:BOM Electrolyser Handbook, BM Electrolyzer Operations/Maintenance Training, ASNZS 4836/2001-Safe Working on LV Electrical Installations, 2 man rule.				

Site Tasks

Priority	System	Date Completed (dd/Month)	Service Time in Hours	Tasks/Assoc Hazards-Controls For each priority item insert new line(row) for each date/time entry
1	AERI			Install AERI
		30-Nov	8	Equipment unpacked and partially assembled , infrastructure
				modifications in progress
		2-Dec	4	AERI installed in E-Van
		3-Dec	2	Install complete
2	AERI			Power up AERI
		1-Dec	6	AERI powered up in workshop for testing (problems of loose cable terminations due to shipment rectified during system power checks)
		2-Dec	1	AERI powered up in E-Van from installed leibert UPS
3	AERI			Test AERI (includes calibration?)
		1-Dec		Preparations for calibration
		2-Dec	3	AERI under test
		2-Dec		Field of view mapping done
		3-Dec	4	Onsite testing complete Dedecker will continue to monitor remotely
4	UPS			Install TSI (#102)
		2-Dec	2	Installed Leibert UPS in E-Van, IP address 198.129.82.40
5	TSI			Install TSI (#102)
6	TSI			Power up TSI
		30-Nov		TSI #105 temporarily installed outside I-Van, Vic Morris contacted to perform system checks, reference Facility Contact WorkSheet CS-2004-0501
		2-Dec		TSI #105 remains under test until verification from mentor to install permanently in the field
		7-Dec	4	TSI remains under test until mentor is satisfied that unit can be installed permanently

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	TOL	(dd/Month)		T (TOL () 1 1 1 1 1 1 1 1 1
/	TSI			Test TSI (includes calibration?)
0	CENCET			Drogram Auto Stort to run angola week for 10.15 minutes
0	GENSET	6-Dec	1	Program Auto Start to run once a week for 10-15 minutes Prgrammed Auto Start to run for 10-15 Minutes each Wednesday
		6-Dec	'	at 09:00 local
9	GENSET			Change oil
		6-Dec	1	Arranged for minor service and oil change to be performed by Hastings Deering Darwin
		7-Dec	1	Monty Apple to co-ordinate maintenance with Hasting Deering Brisbane
10	IRT			Change out gold mirror
		6-Dec		No spare gold mirror on site.
11	MWR	0 2 00		Change out Teflon window
		6-Dec	1	Teflon window changed out at 00:45 UTC 6 Dec 04
12	WSI	2 2 3 0		Change out ARC drive
	_	7-Dec	2	All WSI routine maintenance performed
13	SHIPPING			List items to be shipped following visit
		6-Dec	1	AERI calibration equipment
		7-Dec		AERI calibration equipment shipped DHL 343 3573 732
14	FUTURE NEEDS			List items needed for future visits (spares, etc.)
		6-Dec		MWR Teflon window
				IRT gold mirror
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