

ARCS PROCEDURE:	<b>NAURU WEEKLY ROUNDS CHECKLIST</b>	PRO(ARCS)-027.008
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## GENSET

See Procedure PRO(GEN)-004

The following 4 steps are visual inspections and are performed weekly and without the need of performing the GENSET shut down procedure.

**Note: Beware that generator could possibly start up should a grid utility power failure occur during inspection.**

#	Question	Yes	No
1.	Inspect vibration mounts; are they secure and tight?		
2.	Inspect battery posts; are they clean and free of any corrosion or electrolyte seepage? See PRO(GEN)-004 to clean.		
3.	Check fluid level in batteries in the U-VAN, and RECORD LEVEL ON GENSET LOG and Weekly Fax Sheet comments; if low, fill to bottom of the fill tubes with rain water, and record on GENSET LOG and Weekly Fax Sheet comments; is the fluid level now correct?		
4.	Are the battery caps secured and returned to normal configuration?		

## CEILOMETER

#	Question	Yes	No
1.	Clean the window with a soft cloth and rainwater; is it now clean?		

## STAND-ALONE INSTRUMENT (inside A-Van) – Atmospheric Emitted Radiance Interferometer (AERI)

#	Question	Yes	No
1.	Inside the ventilation closet remove and check the air filter. Is it clean?		
2.	Press the hatch control button (except when closed during rain). Does the hatch move momentarily and then reopen?		
3.	Clean the AERI external sensor. Was this completed successfully?		

## SKYRAD – MFRSR

See Procedure PRO(RSR)-001

#	Question	Yes	No
1.	Place bubble level on the sensor head; is the bubble centered on the sensor head?		

## STAND-ALONE INSTRUMENT (outside I-Van) – Millimeter Cloud Radar (MMCR)

#	Question	Yes	No
1.	Perform inspection from the ground. Are all Radome clamps and assemblies intact and secure?		

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### STAND-ALONE INSTRUMENT (inside D-Van) – Solar Power Control Box

#	Question	Yes	No
1.	Open the Solar Power Control box. Are the three lights under the "Battery Condition" banner light ON?		
2.	On the left-hand side, there are two switches. Place the left switch in the UP position and the right switch in the DOWN position. Observe the digital readout above the switch. Is the value between 11.0 and 13.6?		

### CIMEL Sunphotometer

#	Question	Yes	No
1.	Did you set the GMT time clock in the E-Van and take it to the pad?		
2.	Look over the CIMEL, the boxes and the antenna; are the cables connected securely and not tangled?		
3.	When the double barrel lens is pointing toward the sun, check the light on the bull's eye. Is the light lined up with the bull's eye?		
4.	While the double barrel lens is pointing toward the sun, check the moisture sensor by wetting it. Did the double barrel point down after wetting the moisture sensor?		
5.	In the Power Box, are the battery connections securely fastened and is the box free of standing water?		
6.	In the Control Box, check the CIMEL clock by pressing the GREEN, the RED (View), then WHITE (Bat) buttons. Is the time within 10 seconds of GMT? If NO, reset time using PRO(CIMEL)-002.		
7.	Check the Vitel clock by pressing the ON/OFF button, (the display will read "Time"), then press SELECT. <u>Read the time</u> , then press ON/OFF, then press SCROLL several times until "Activate" is displayed, then press SELECT. Is the displayed time between GMT and 5 seconds before GMT? If NO, reset time using PRO(CIMEL)-002.		
8.	Check the CIMEL internal battery by pressing GREEN, then RED (View), then WHITE (Bat). <u>Read the voltage</u> and then press GREEN. Is the battery voltage reading between Ba 5.0 and Ba 5.7 volts?		
9.	Check the Vitel battery by pressing ON/OFF, (the display will read "Time"), then press SCROLL several times until "Sensor" is displayed, then press SELECT (the display will read "Bat"), then press SELECT again and <u>read the battery voltage</u> . Then press ON/OFF twice. Is the battery voltage greater than 12.5 volts?		

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### HYDROGEN GENERATOR

#	Question	Yes	No
1.	Did you perform Hydrogen Generator weekly maintenance check? See PRO(BBSS)-007, BBSS: Electrolyzer Operations and Maintenance.		
2.	Is the oxygen (oxygen test against air) level greater than 20%? If NO, change Chromous Chloride Solution, see PRO(BBSS)-007, BBSS Electrolyzer Operations and Maintenance.		