

Draft NIES Site Visit Trip Report
Kevin Widener

- Arrived on Nauru at noon, 2/26/2002.
- Installed the new fiber optic and coaxial cable on the MPL.
- Upon entering room 201, all computers were off. This was probably due to the power failure from the previous day. Power at the Menen Hotel is going off from approximately 14:00 to 17:00. This means that the observers did not visit the site after the power outage.
- Brought up all systems and everything seems to be working fine.
- Unpacked new UPS and installed it to power the instruments that are outside. The other UPS powers the computers and peripherals.
- Did data inventory:

	Ceilometer	RAD	MET	NIES TSI	ARCS TSI
November	83%	83%	73%	66%	71%
December	79%	56%	51%	49%	60%
January	63%	79%	74%	73%	95%
February	89%	8%	4%	21%	92%

- The ARCS TSI numbers come from its Lacie archive drive. There are far less data on the computer's hard drive. In addition, the data on the Lacie drive is being double written. For instance, the folder 20011109 will have files from all of 11/08 and files for 11/19 from 0000 to 0006. In folder 20011110, all of the files for 11/09 are there and files for 11/10 from 0000 to 0006.
- Checked site for corrosion. The TSI is showing much more on the arm and at the base of the mirror. Inside boxes are fine. Solar tracker has started corroding.
- Error pops up about not being able to write to Lacie drive from Winbatch script. I reinstalled the driver and this worked for a while and then came back. I installed the 30 GB Lacie drive that I had and it seems to work fine. I could read the original Lacie drive with my laptop so I am bringing it back.
- Timed power availability from UPS's. We get approx 1 ½ hours on the instrument UPS and 2 ½ hours on the computer UPS.
- Rewrote the power recovery instructions for the observers.
- Modified the PC-208W software to append rather than overwrite the raw files for the RAD and MET loggers. I then wrote a Winbatch script that will archive these files once per week. The executable is scheduled through the Windows Scheduler to run at 0000 GMT on Thursdays.
- Found out Thursday that the ventilator fan for the NIES PIR needs replacing. I couldn't get a hold of anyone at the site to bring one over. Asked Nicholas to replace it.
- The tracker is slightly off. On the NIP, the solar dot is into the white. John will adjust this if he has time. Unfortunately I didn't see this until the day of departure – the first day of sunshine during this short visit.
- Left Nauru shortly after noon on 3/1/2002.