



*TO: Dr. Kristoff Zeladzny*

*FROM: Jake Starkey*

*Date: October 20 2002*

*Subj: Anomalies in the power consumption logs*

*Status: DRAFT*

*Preliminary report for power consumption anomaly*

*I'm following up on the conversation we had last week while discussing power consumption for the Fock Center. I found something strange. During field tests and our first several sends power consumption rose dramatically but leveled off as the tests and sends occurred regularly. Beginning in November the power consumption rose again by over 55% and has hovered there since while the number of sends has stayed exactly the same.*

*My concern is two fold:*

- 1. We have a power leak and something is not running properly during the stabilization of the field either during the send/receive. The other possible problem is our data is faulty since we're only currently running logs on pmgmt01.*
- 2. If it is a power leak we're running obvious health risks to the agents, not to mention we'll overload NRU's power grid and our backup power source (Catalina proper) will suffer outages.*

*It's my recommendation that we immediately begin running a second set of logs and sensors for power consumption to eliminate the corrupt data factor. Once we get the data from pmgmt02 we'll know what to do next. I do not think we're running any dangers to life as of yet. The shielding against neutrino interference seems to have prevented any disconnects during send/receive.*