Fermilab

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NS2 LCW PLC information

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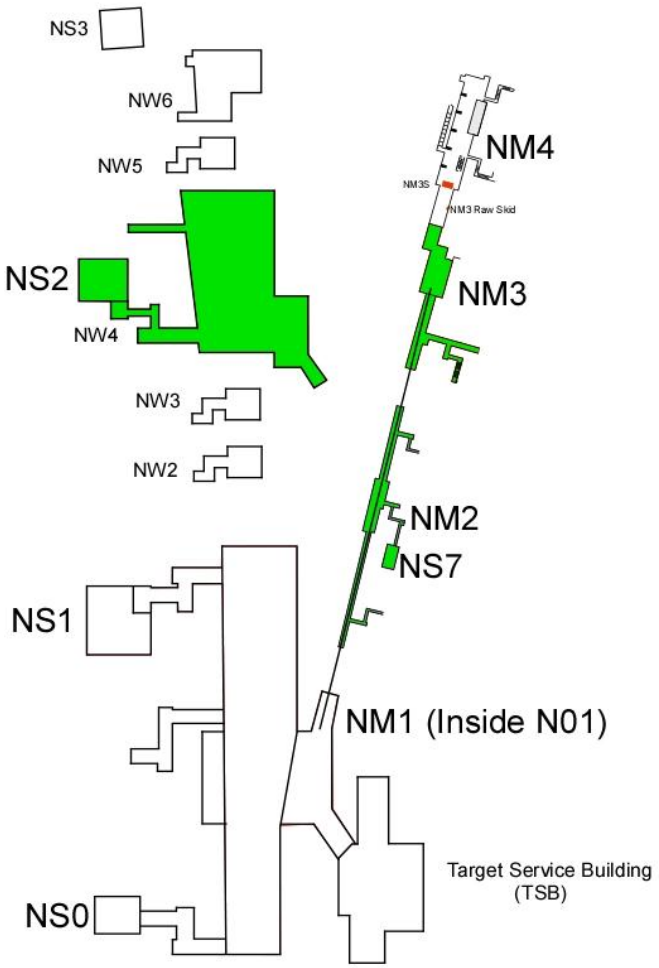
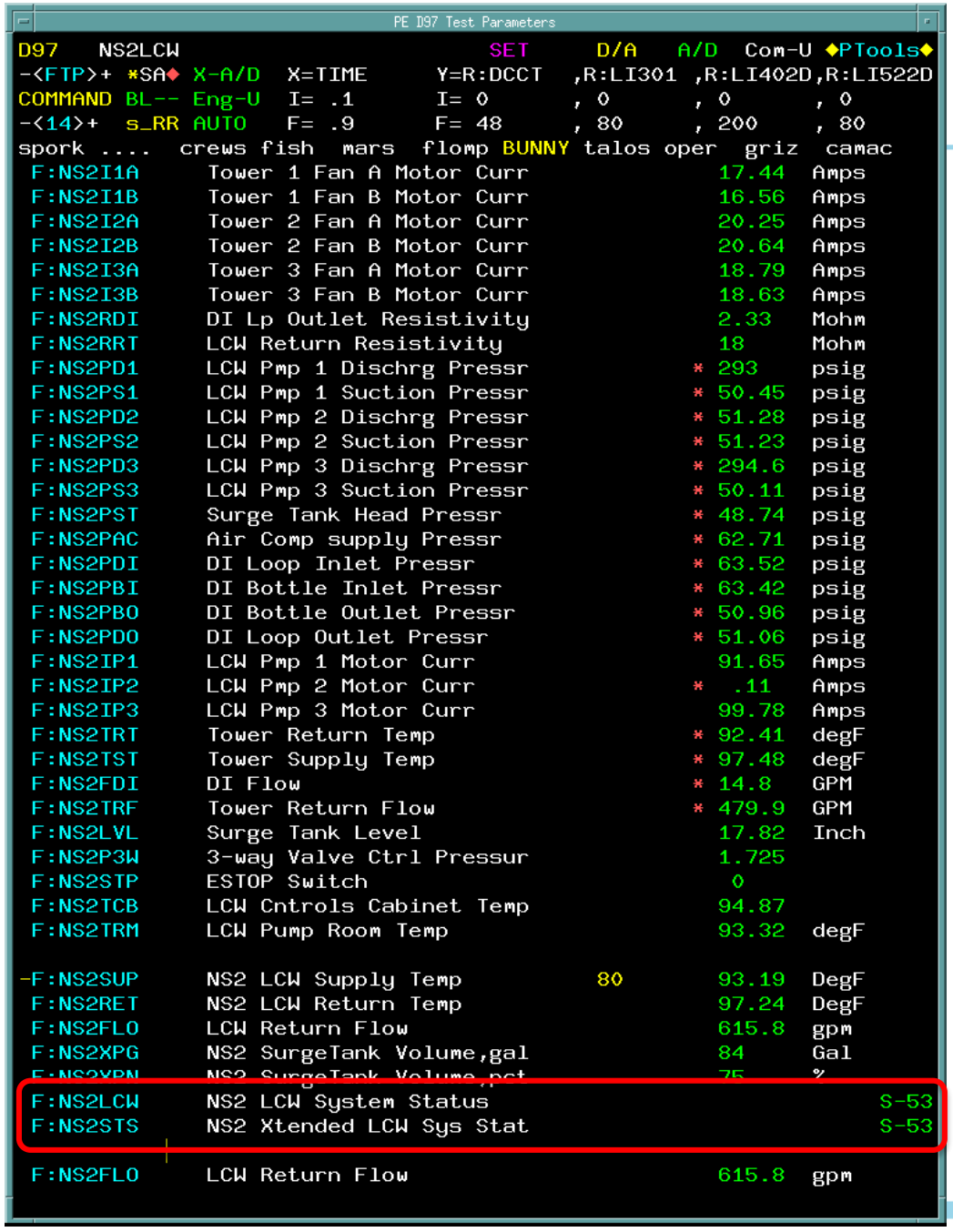
Fermilab - Neutrino Area LCW

NS2



Here we can see what areas, Service Buildings and enclosures, the NS2 LCW systems cover.



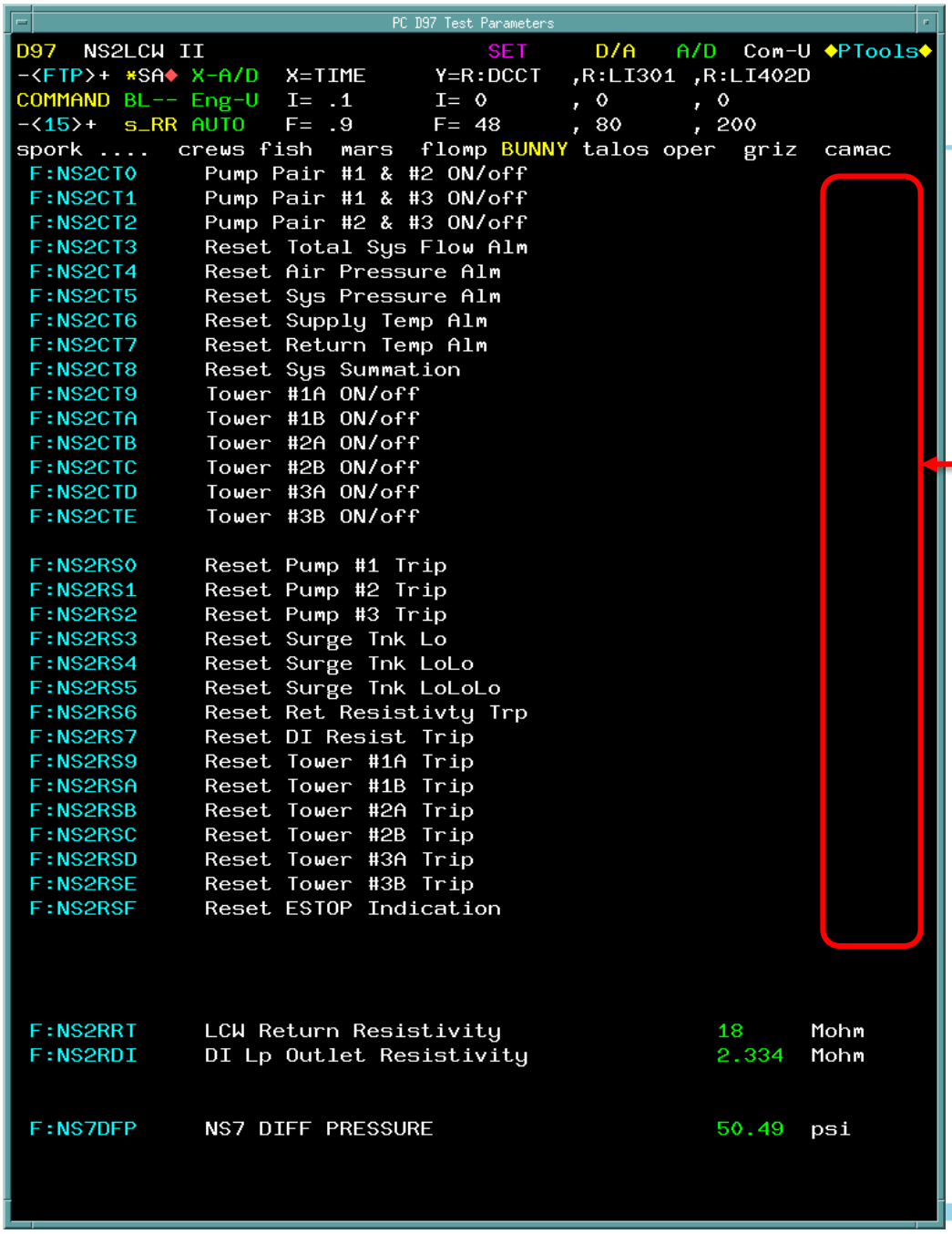
The digital and analog status Parameters can be found on D97, “Bunny”, pages 14 & 15, NS2LCW & NS2LCW II.

Here, page 14 has most of the analog read backs.

2 very important digital status parameter are. F:NS2LCW & F:NS2STS

Here are the status bits that come through F:NS2LCW. The system uses 2 pumps, so a pump will always be off.

Here you can see the status bits that come through F:NS2STS

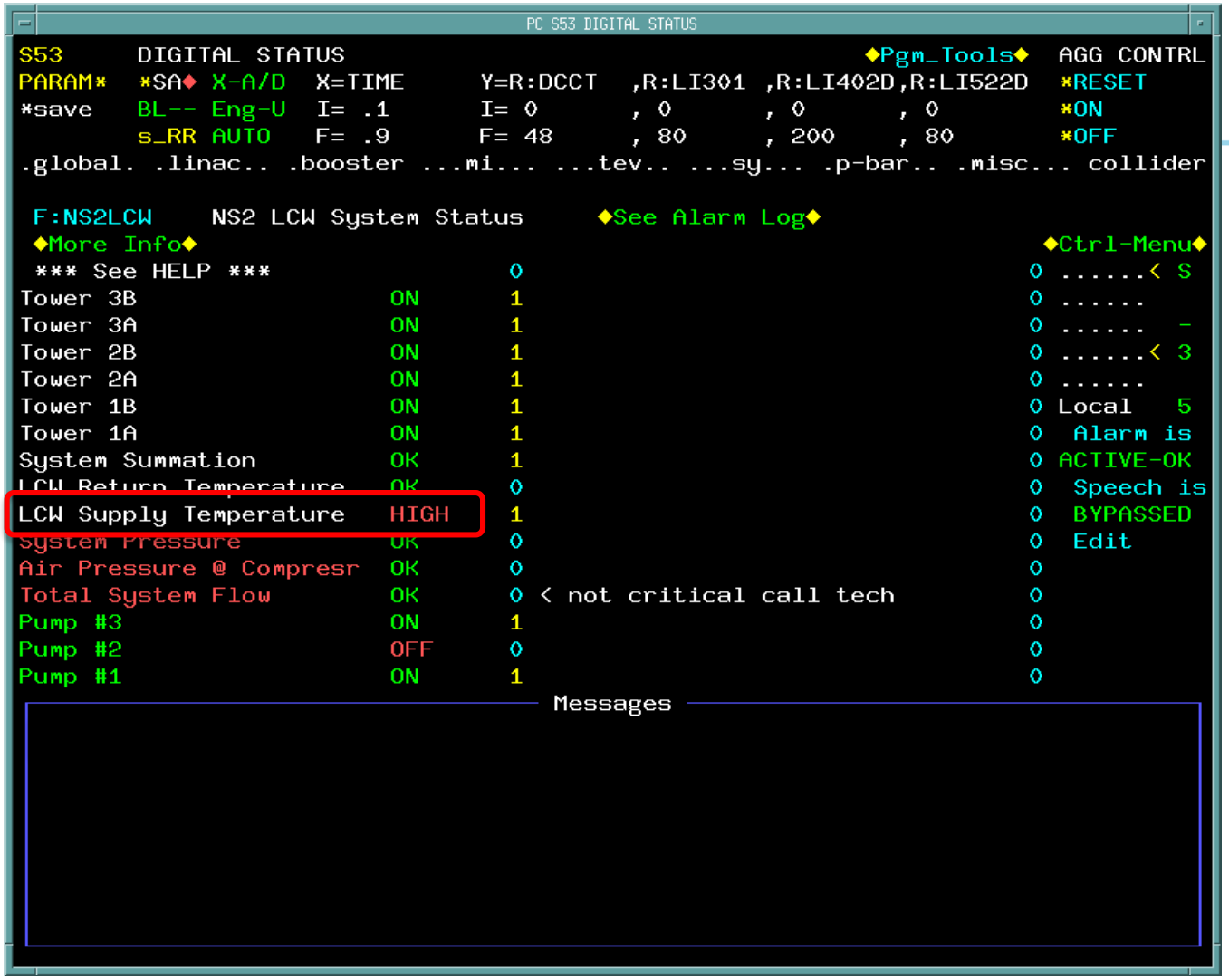


Subpage 15 has most of digital status parameters.

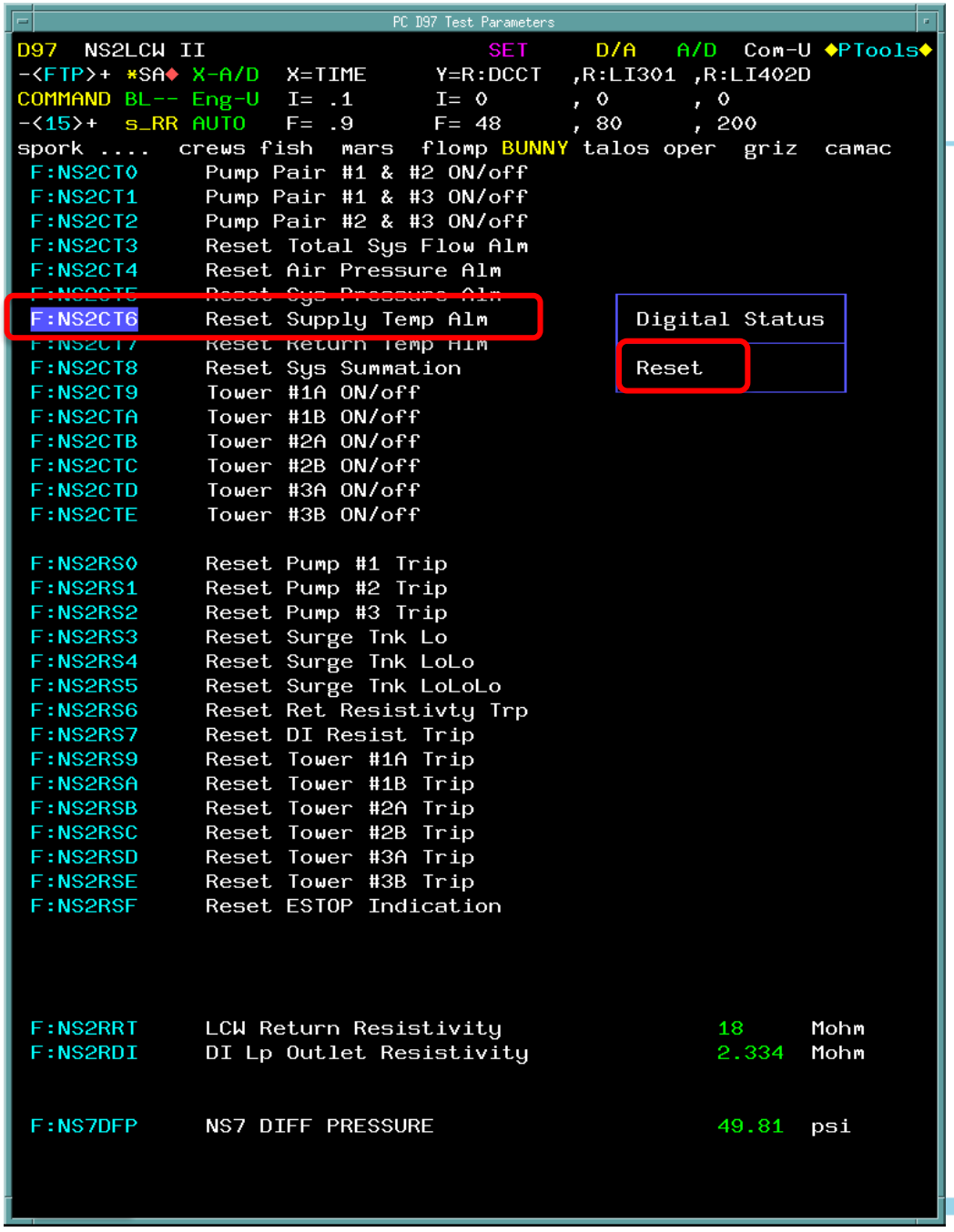
Here you are able to reset the tripped bit via the parameter.

Notice the invisible bits that you can click on to get the Digital Status box to reset the bit.

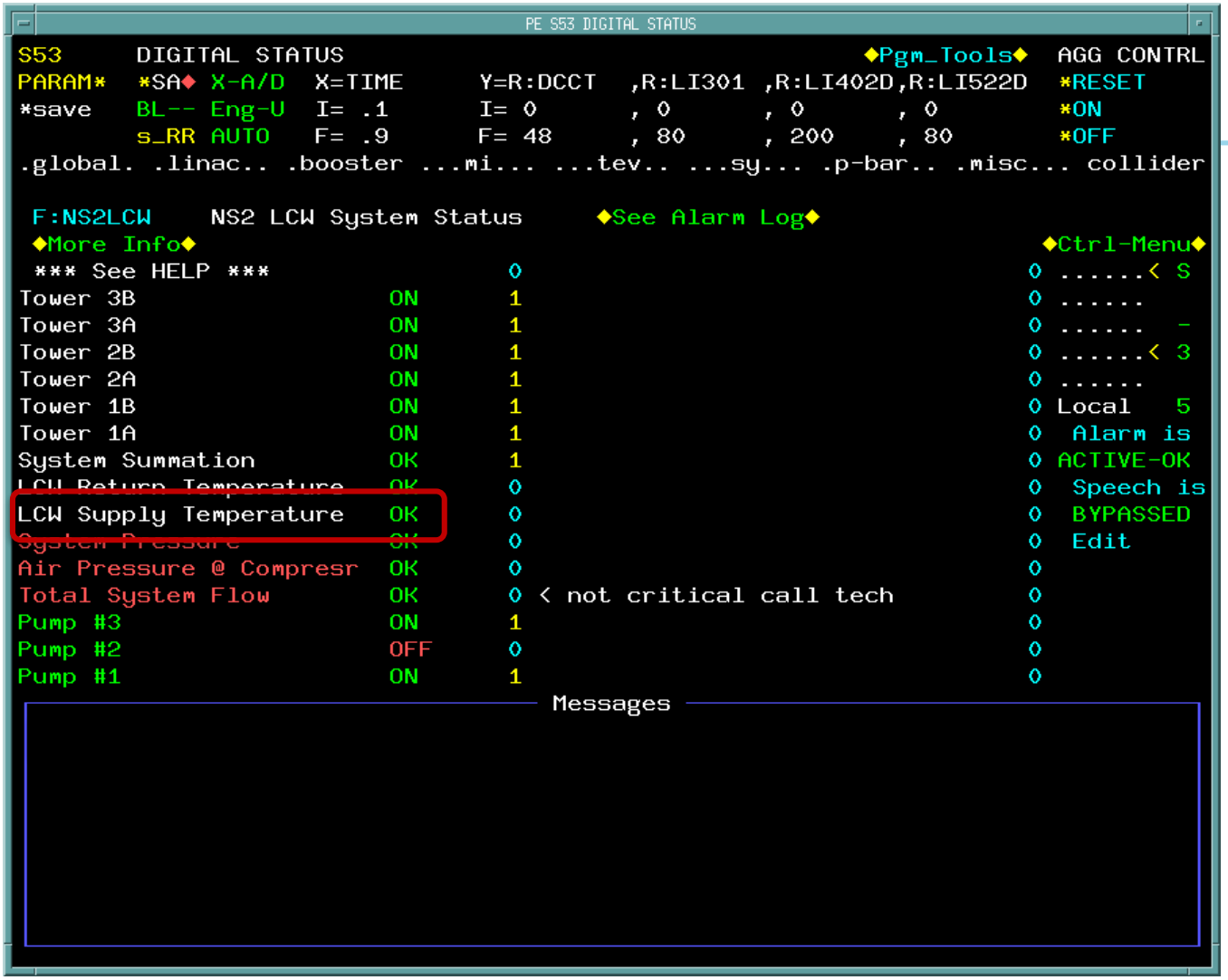
WARNING: Some parameters have Run/Stop options, don't click on any bit unless you know what you're doing.



The NS2LCW Supply Temperature high bit has come into alarm. It won't trip the LCW system, but it will pull the permit to run the NM2 power supplies at NS7, which include the FMAG and KMAG supplies.

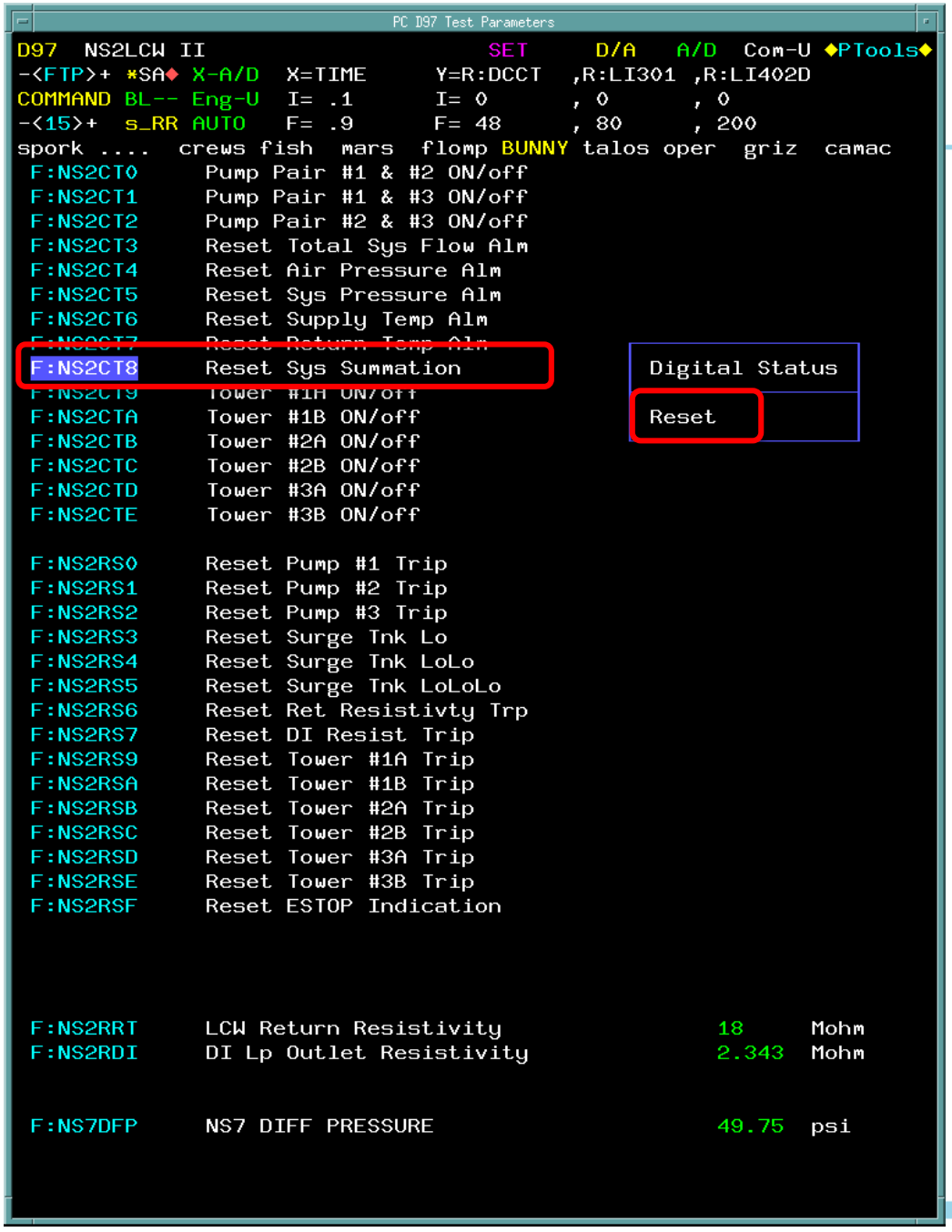


Once the Supply Temperature read back is below it's trip point you can reset the bit.



Now good, or OK

In our case none of these bits were tripped.



Still can't turn on the NM2 power supplies, there's one more bit you must reset.

The System Summation needs a reset.

Now you can turn on the NS7 power supplies and inform SeaQuest they can turn on F:NM3S (FMAG) & F:NM4AN (KMAG). Once they are on you can enable the Neutrino CDC and send them beam.