

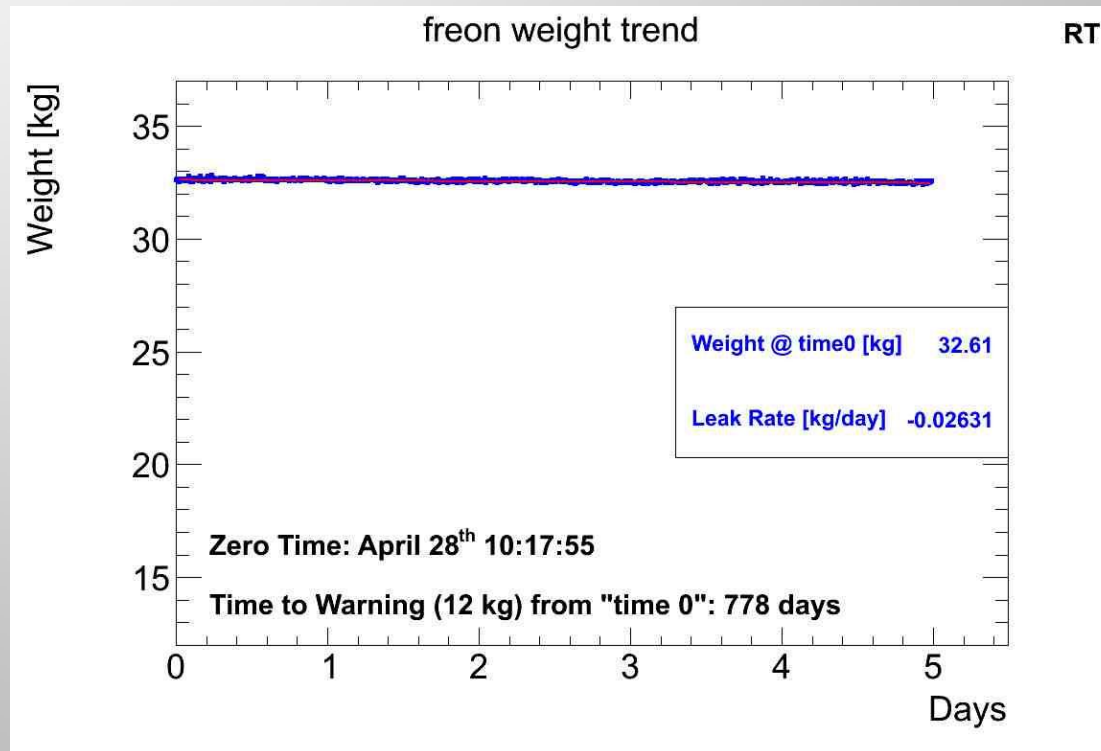


SPD cooling status after TS1













SPD cooling activities carried out during TS1:

- ✓ Sectors 4 and 5 were successfully drilled
- ✓ Sector 3 was cleaned with the vacuum pump
- ✓ Sebastien Rousseau found 3 leaks at the plant: reduced



Cooling

	Temp Side C	Temp Side A	Heaters	Press Side C	Press Side A	Flow	Power (W) Consumption	Loop ON/OFF
0	9.30	12.52	95.58	4.11	1.80	2.10	1081.955	0 
1	10.27	12.54	92.37	4.45	1.78	2.10	1327.907	1 
2	10.91	12.86	94.58	3.82	1.77	2.05	1378.574	2 
3	11.23	11.25	97.91	5.29	1.73	1.61	1067.110	3 
4	9.32	12.54	89.69	2.34	1.91	2.05	1416.244	4 
5	8.33	12.88	74.79	2.64	1.79	2.05	1182.154	5 
6	9.67	12.86	96.57	2.70	1.78	2.11	985.384	6 
7	10.00	12.54	92.79	2.75	1.79	2.09	1323.147	7 
8	8.68	12.23	96.24	5.38	1.79	2.09	1287.086	8 
9	9.35	12.54	91.46	3.71	1.79	2.07	1191.470	9 
Total:						20.33	*****	



Other issues



- Plant PLC alarm unmasked successfully by Stephane Berry
- Pressure Sensor in PP4 (P43CL) failure: to be replaced during next TS?
- Power glitch 1st May:

SPD cooling: no consequences (UPS worked well)

SDD cooling: low flow on Loop 44 AL (electronic switched off automatically)

SSD cooling: DSS alarms triggered by temperature interlocks

SSD cooling: S1 e S2 pressure data are swapped?



Cooling procedures for experts



- SPD: some cooling procedures for shifters are available on the SPD run operation web page but they are obsolete. New cooling procedures for on-calls are missing
- SDD: two documents written some years ago (to be updated?)
- SSD: next slide



SSD procedures



- ▣ Procedure: See SSD Expert Cooling Guide
<https://twiki.cern.ch/twiki/pub/AliceSSD/SsdManuals/ExpertCoolingGuide.pdf>
- ▣ Written by Ton in 2008 and still valid (just the manual ramp is not needed anymore because the PLC does it automatically now.)