

E2 Run Schedule

Time	8-Nov Wed	9-Nov Thur	10-Nov Fri	11-Nov Sat	12-Nov Sun	13-Nov Mon	14-Nov Tues	15-Nov Wed
00-04	configuration investigations studies	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	param. studies C	one arm 1-10,12-15	one arm 1-10,12-15
04-08	configuration investigations studies	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	param. studies D	one arm 1-10,12-15	one arm 1-10,12-15
08-12	configuration investigations studies 6	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	calibration 6,12	param. studies D	one arm 1-10,12-15	full ifo
12-16	configuration investigations studies 6,12	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	param. studies J	param. studies D	one arm 1-10,12-15	full ifo
16-20	configuration investigations studies	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	param. studies B	one arm 11	one arm 1-10,12-15	
20-24	configuration investigations studies	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	recomb. Mich 1-10,12-15	param. studies B	one arm 11	one arm 1-10,12-15	

Investigations

1. Tidal forces
2. Loss of lock
3. Fraction of noise in 5-50 Hz band due to seismic motion
4. Correlations between GW channel and other channels
5. Stationarity of interferometer noise level
6. Stability of calibration with injected signal
7. Deviations from Gaussianity (band-limited)
8. Investigate angular fluctuations
9. Look for impulses and transient
10. Look for bursts
11. Freq. noise investigation
12. End-to-end timing precision/accuracy calibration
13. End-to-end data integrity check
14. Quantify strength and stability of line noise
15. Evaluate data compression algorithms

Parameter studies / Shift tasks

- A. Ring-down of MC and arm cavities
- B. MC L offset scan: power levels, f/L noise/sens., RF AM
- C. PMC L offset scan: power levels, f/L noise/sens., I noise, RF AM
- D. MC alignment offset & gain scan: power levels, f/L noise/sens., I noise, RF AM
- E. SUS ringdown/Q measurements
- F. PSL power level changes:
- G. PSL loop gain scan: noise & transients
- H. SUS gain scan: angle noise, f/L noise, I noise
- I. WFS offset scan: power levels, f noise/sens., I noise
- J. Readback data from tape: check data
- K. Update channel list with description/layout/calibration
- L. Updating the E2 web page