

Notes shift OMC mode matching 19/12/18 :

Part 1 : ITF in LN1

Paramètres scan : $f = 0.001$ Hz, amp = 0.10 deg

SR starting position : $F0_X = +100$

15h57m20 : start OMC scan with parameters $f = 0.001$ Hz, amp = 0.10 deg

TEM00 : 0.93 mW 2156

Order 1 : 2.6 mW 560

Order 2 : 0.13 mW 25

16h10m40 : run a second OMC scan with $f = 0.001$ Hz, amp = 0.05 deg

TEM00 : 1.10 mW 2390

Order1 : 2.6 mW 484

Order2 : 0.16 mW 36

16h18m50 : SR $F0_X$ moved to +250 (ramp = 200s), position reached at 16h22m20

16h24m20 : start OMC scan

TEM00 : 1.02 mW 2300 (B1x_DC_DARM_norm_prod)

Order 1 : 3.3 mW 700

Ordre 2 : 0.23 mW 43

16h31m45 : SR $F0_X$ moved to +400 (ramp = 100s), position reached at 16h33m40

16h35m15 : start OMC scan

TEM00 : 0.85 mW 2000

Order 1 : 3.4 mW 716

Order 2 : 0.25 mW 35

16h42m05 : SR $F0_X$ moved to +550, position reached at 16h44m40

16h45m05 : Start OMC scan

TEM00 : 0.66 mW 1775

Order 1 : 3.31 mW 730

Order 2 : 0.2 mW 29

16h52m30 : SR $F0_X$ moved to +100 (ramp time = 150s), position reached at 16h56m50

16h58m20 : Start OMC scan

TEM00 : 1.08 mW 2300

Order1 : 4.3 mW 700

Order2 : 0.27 mW 36

17h07m30 : start second OMC scan

TEM00 : 1.15 mW 2250

Order1 : 2.7 mW 530

Order2 : 0.17 mW 40

17h14m35 : SR F0_X moved to -50 (ramp 100), reached at 17:17:50

17h18m15 : start OMC scan

TEM00 0.80 mW 2085

Order1 : 4mW 620

Order2 : 0.25 mW 50

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Part 2 : Activity with single bounce (NI aligned) – TCS DAS still ON

Single bounce beam set at 17h33m00

WARNING 17h40 gain cam B1P changed in order to avoid saturation

Starting from SR F0_X = -50 um

17h35m40 : start OMC scan

TEM00 : 12 mW

Order1 : 0.60 mW (5%)

Order2 : 0.08 mW (0.7%)

WARNING : at 17h40 gain of camera B1p changed in order to avoid saturation

17h40m50 : SR F0_X moved to +100 (ramp 100), reached at 17h43m15

17h44m00 : Start OMC scan

TEM00 : 12 mW

Order1 : 0.74 mW (Désalignement principalement horizontal)

Order2 : 0.075 mW

17h50m20 : SR F0_X moved to +250, reached at 17h52m25

17h52m50 : Start OMC scan

TEM00 : 11.8 mW

Order1 : 0.86 mW

Order2 : 0.074 mW

17h59m00 : SR F0_X moved to +400, reached at 18h01

18h01m25 : Start OMC scan

TEM00 : 11.6 mW

Order1 : 1.1 mW

Order2 : 0.073 mW

18h08m05 : SR F0_X moved to +550, reached at 18h10m10

18h10m20 : Start OMC scan

TEM00 : 11.4 mW

Order1 : 1.11 mW

Order2 : 0.078 mW

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Part 3 : Activity with north arm locked – TCS DAS still ON

North arm locked at: 18h21m10

Starting from SR F0_X = +550

18h21m20 : start OMC scan

TEM00 : 11.5 mW

Order1 : 0.29 mW

Order2 : 0.29 mW

18h27m45 : SR moved to +400, reached at 18h30m00

18h30m30 : start OMC scan

TEM00 : 11.8 mW

Order1 : 0.6 mW

Order2 : 0.34 mW

18h37m15 : SR moved to +100 (ramp=100), reached at 18h39m40

18h39m50 : start OMC scan

TEM00 : 11.8 mW

Order1 : 0.6 mW

Order2 : 0.4 mW

18h46m45 : SR moved to -50 (ramp = 60), reached at 18h48m10

18h48m20 : start OMC scan

TEM00 : 11.6 mW

Order1 : 0.4 mW

Order2 : 0.36 mW

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Part 4 : Activity with north arm locked – TCS DAS switched OFF

TCS DAS switched off at 18h57 utc

Waiting for ~1 hour for thermal transient

Starting from SR F0_X = -50

19h58m10 : start OMC scan

TEM00 : 11.7 mW

Order 1 : 0.42 mW

Order 2 : 0.36 mW

20h05m10 : SR position moved to +100 (ramp=60), reached at 20h07

20h07m20 : start OMC scan

Warning : North arm unlocked at 20h10m00 - relocked at 20h12m00

20h14m50 : restart OMC scan

TEM00 : 11.7 mW

Order1 : 0.37 mW (3.2%)

Order2 : 0.37 mW (3.2%)

20h22m00 : SR moved to +400 (ramp = 100), reached at 20h24m10

20h24m40 : start OMC scan

TEM00 : 11.7 mW

Order1 : 0.28 mW

Order2 : 0.33 mW

20h31m50 : SR moved to +550 (ramp=60), reached at 20h33m20

20h33m50 : start OMC scan

TEM00 : 12 mW

Order1 : 0.36 mW

Order2 : 0.3 mW

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Part 5 : Activity with single bounce beam (NI aligned) – TCS DAS switched OFF

Single bounce (NI) at 20h41m

Starting from SR F0_X = +550

20h43m25 : Start OMC scan

TEM00 : 11 mW

Order1 : 1.11 mW

Order2 : 0.17 mW

20h50m50 : SR moved to +400 (ramp 60), reached at 20h52m30

20h52m40 : Start OMC scan

TEM00 : 11.4 mW

Order1 : 1.07 mW

Order2 : 0.18 mW

21h01m10 : SR moved to +250 (ramp 60), reached at 21h02m30

21h02m40 : Start OMC scan

TEM00 : 11.5 mW

Order1 : 0.95 mW

Order2 : 0.19 mW

21h09m20 : SR moved to +100 (ramp 60), reached at 21h11

21h11m20 : Start OMC scan

TEM00 : 11.4 mW

Order1 : 0.95 mW

Order2 : 0.20 mW

21h18m10 : SR moved to -50 (ramp 60), reached at 21h19m30

21h19m40 : Start OMC scan

FAST UNLOCK at ~21h22m30

21h23m15 : Restart OMC scan

TEM00 : 11.4 mW

Order1 : 0.75 mW

Order2 : 0.22 mW

21h31m00 : SR moved to -1000 (ramp 200), reached at 21h35m00

21h35m20 : Start OMC scan

TEM00 : 11.7 mW

Order1 : 0.32 mW

Order2 : 0.3 mW

21h42m00 : SR moved to 100 (ramp 200), reached at 21h47

TCS DAS switched back ON at 21h43 utc.