Installation of ARGOS dichroic interfaces

Left side - 29 Nov 2011

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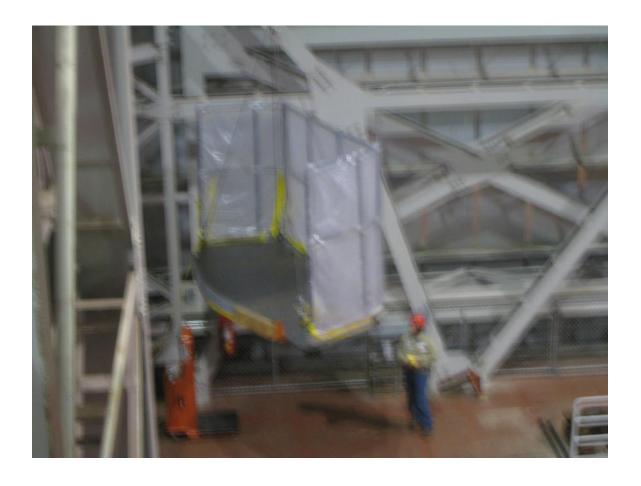
Let's start: setup the platform



We finally decided to leave the wood as in this picture

Local time	Elapsed
8.28AM	0

Platform installation



Platform is ready, M2 and LBC deployed, M3 out

Local time	Elapsed
9.00AM	0.32

Platform installation (2)



Platform flies over M1 Ropes used to prevent oscillations

Local time	Elapsed
9.10AM	0.42

Platform installation (3)



Platform in position.
Wood is in contact with
the horizontal beam at the
submm focal station, as
close as possible to the
treehouse door.

Local time	Elapsed
9.16AM	0.48

Platform installation (4)



Platform is pushed against the rotator structure using straps

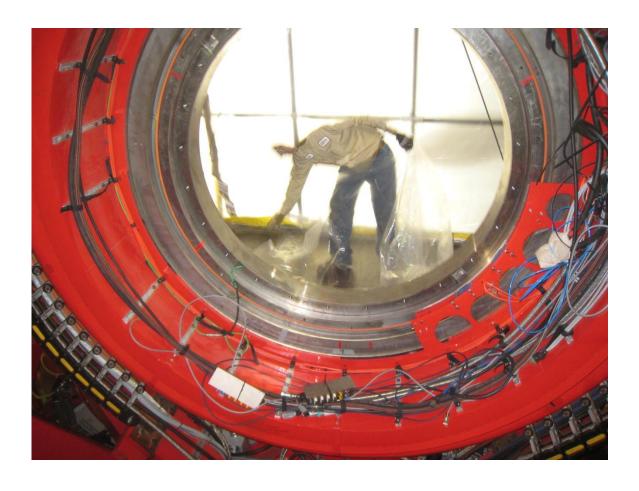
Local time	Elapsed
9.25AM	0.57

Platform installation (5)



Local time	Elapsed
9.25AM	0.57

Platform installation (6)



Plastic is installed to secure the gap between the platform and the rotator structure

Local time	Elapsed
9.31AM	1.03

Support arm installation



Giovanni Negrini punches the 4 holes of the support arm using the drill jig



Local time	Elapsed
9.48AM	1.20

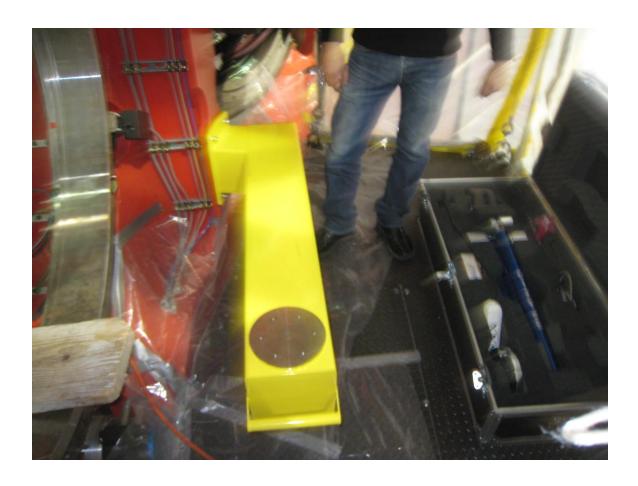
Support arm installation (2)



The 4 M12 through-holes for the support arm are drilled

Local time	Elapsed
10.23AM	1.55

Support arm installation (3)



The support arm is bolted to the structure

Local time	Elapsed
10.46AM	2.18

Placing interfaces jigs

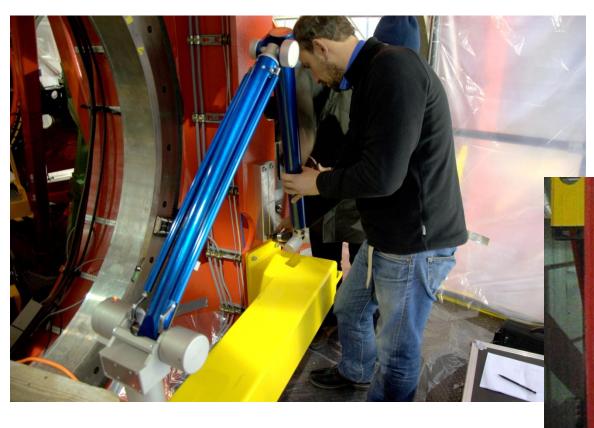


The SPAZIO arm is bolted to the support arm. A reference system centered at the intersection between the rotator axis and the rotator flange is acquired (below, 11.00AM, 2.32)



Local time	Elapsed
10.48AM	2.20

Placing interfaces jigs (2)



The 2 magnetic jigs have been accurately positioned on the vertical beams and clamped.

Local time	Elapsed
10.38AM	3.10

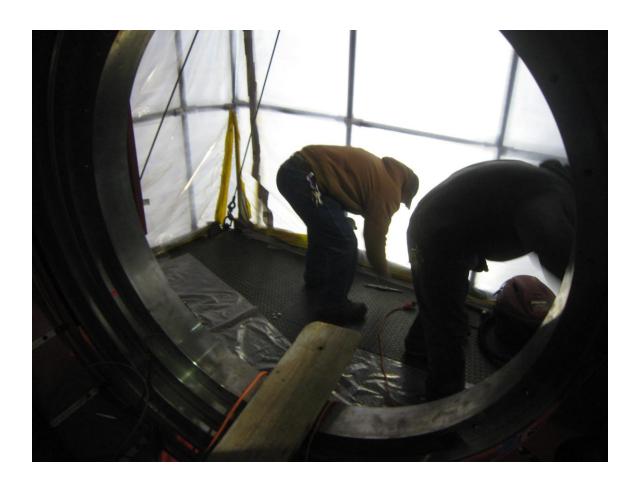
Placing interfaces jigs (3)

Using the jigs, 5mm holes are drilled. The position of the holes is measured (in the reference system previously determined). The picture on the shows a summary of the measurements.

LA	TO SX
Hobitischecken	*
Centro due X = - 370	- 320
Y = 1005	11005
Suite	-219.66 Dealu 280.28
-220.63 0 0 -220.6 1036.04 13 14 254.31	-249.66 0 0 280.28 -892.329 17 0 4032.40 259.32
-520.60 15 1 6 -520.40 1036.38 0 0 991.31 265.38 255.72	-519,93 -991.89 259.37 0 0 240.50

Local time	Elapsed
12.30PM	4.02

Fixing Interfaces



Drill holes to install the interfaces. 8.5mm 20mm-deep holes, to be tapped 15mm-deep for M10 bolts.

4 holes on each interface

Local time	Elapsed
12.48PM	4.20

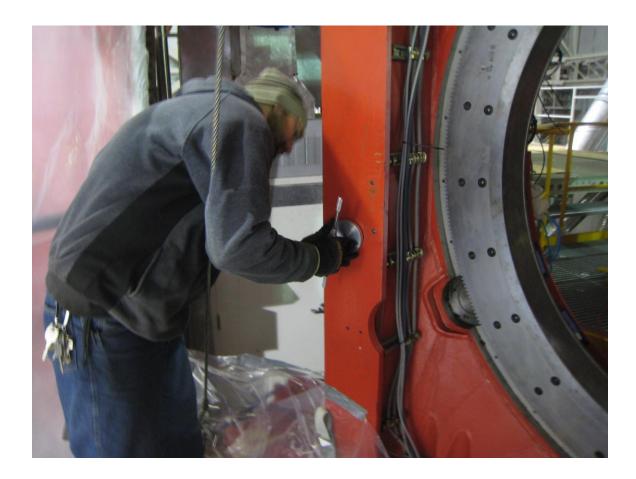
Fixing Interfaces (2)



Tapping on the right while drilling on the left

Local time	Elapsed
01.00PM	4.32

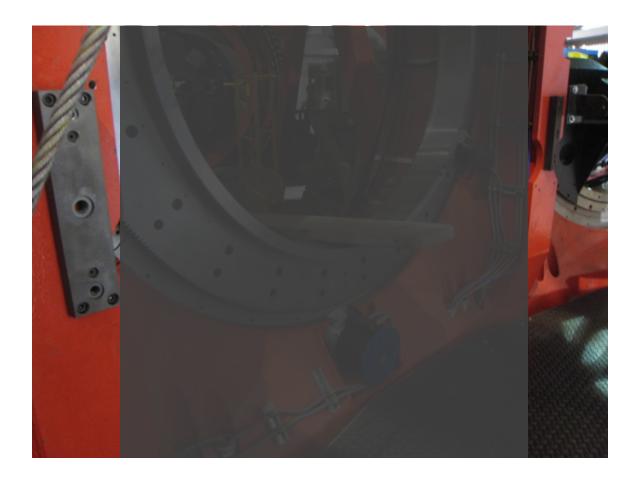
Fixing Interfaces (3)



Finish tapping on the left

Local time	Elapsed
1.16PM	4.48

Ready to go!



Interfaces are bolted.
Tools removed from the telescope, platform removed (starting at 1.46PM, 5.18)

Local time	Elapsed
1.33PM	5.05

