

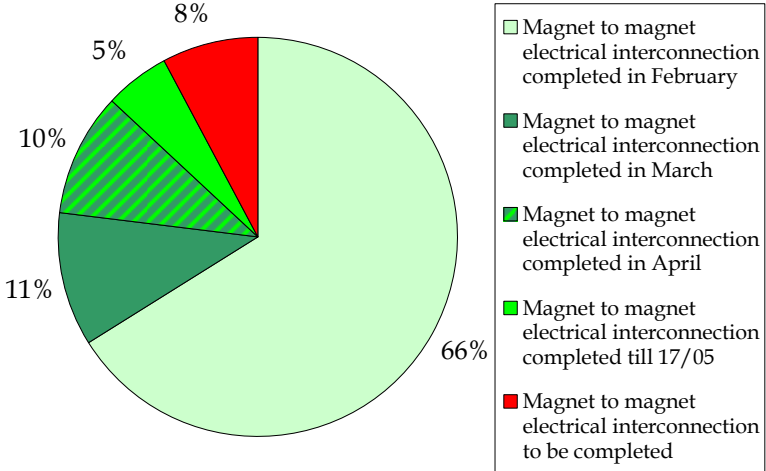
LHC Arc interconnection status

MARIC

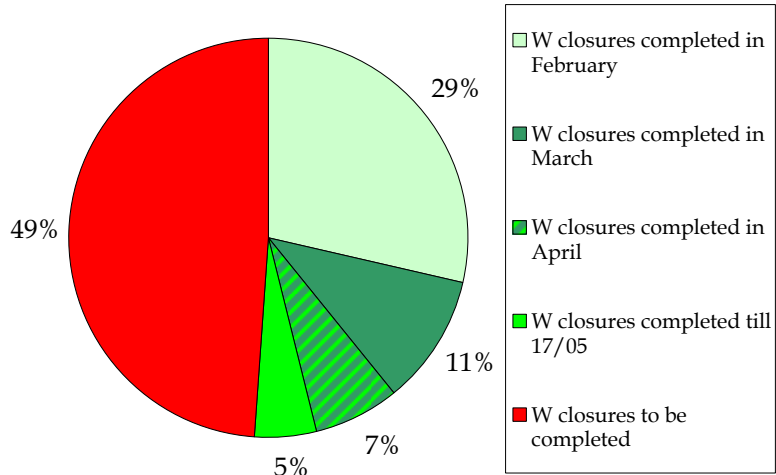
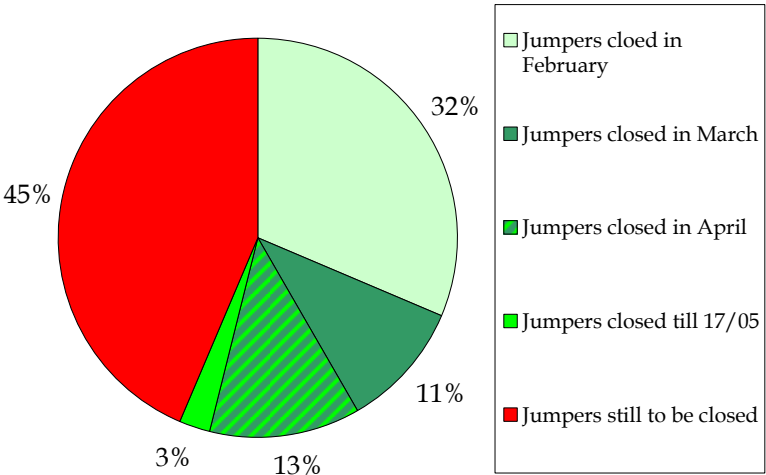
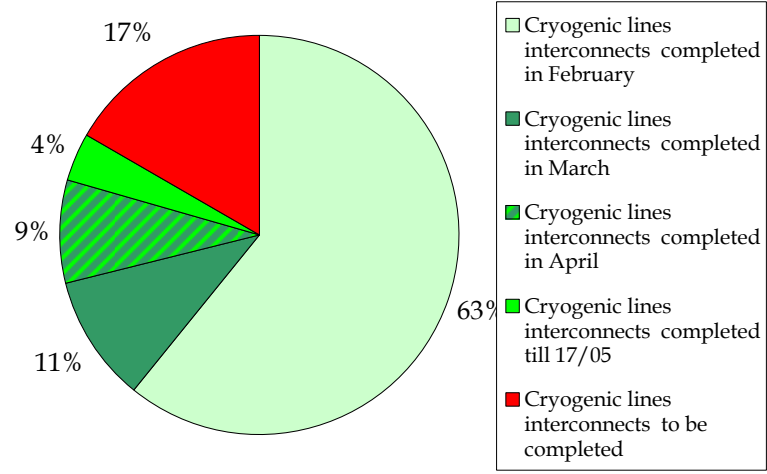
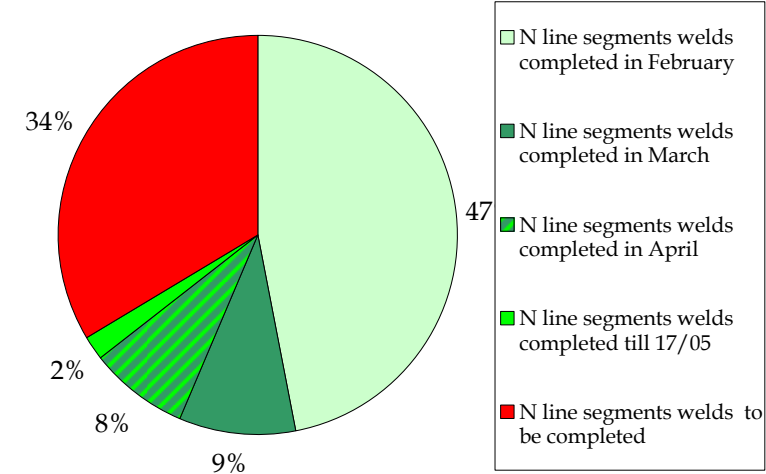
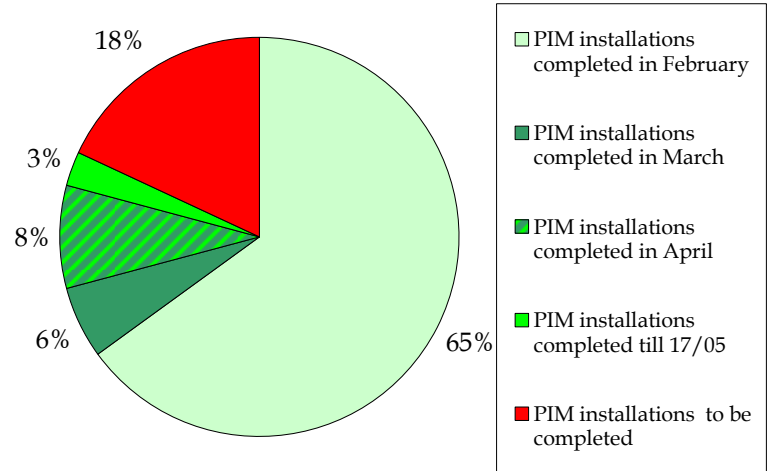
23/05/07

Summary

- Interconnection cockpit
- Sector by Sector
- Limiting factors
- SSS 500 repair status



3-4	6
5-6	2
2-3	10
6-7	26
1-2	90



Vacuum Subsector status

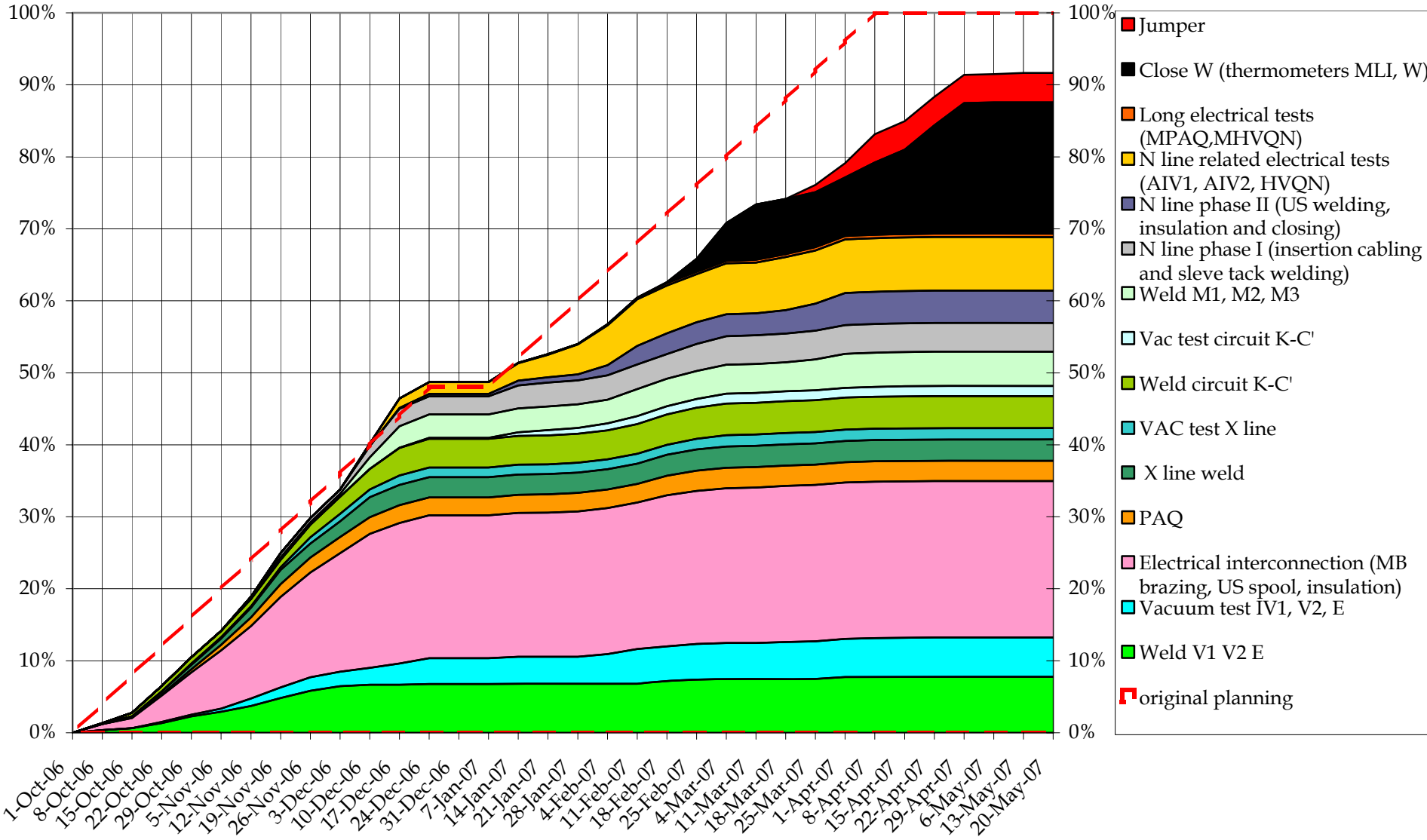
(courtesy P. Cruikshank)

	7R	11R	15R	19R	23R	27R	31R	31L	27L	23L	19L	15L	11L	7L
SECTOR 7-8	lk,c'k							lk,m						n/a
SECTOR 4-5	lk,m+x opened		lk,c'k?										lk,w	
SECTOR 8-1			lk,m open today											
SECTOR 3-4					lk,m to be closed today	lk,w closed	lk,n repair test		lk,m open today					
SECTOR 5-6														
SECTOR 6-7														
SECTOR 2-3														
SECTOR 1-2														

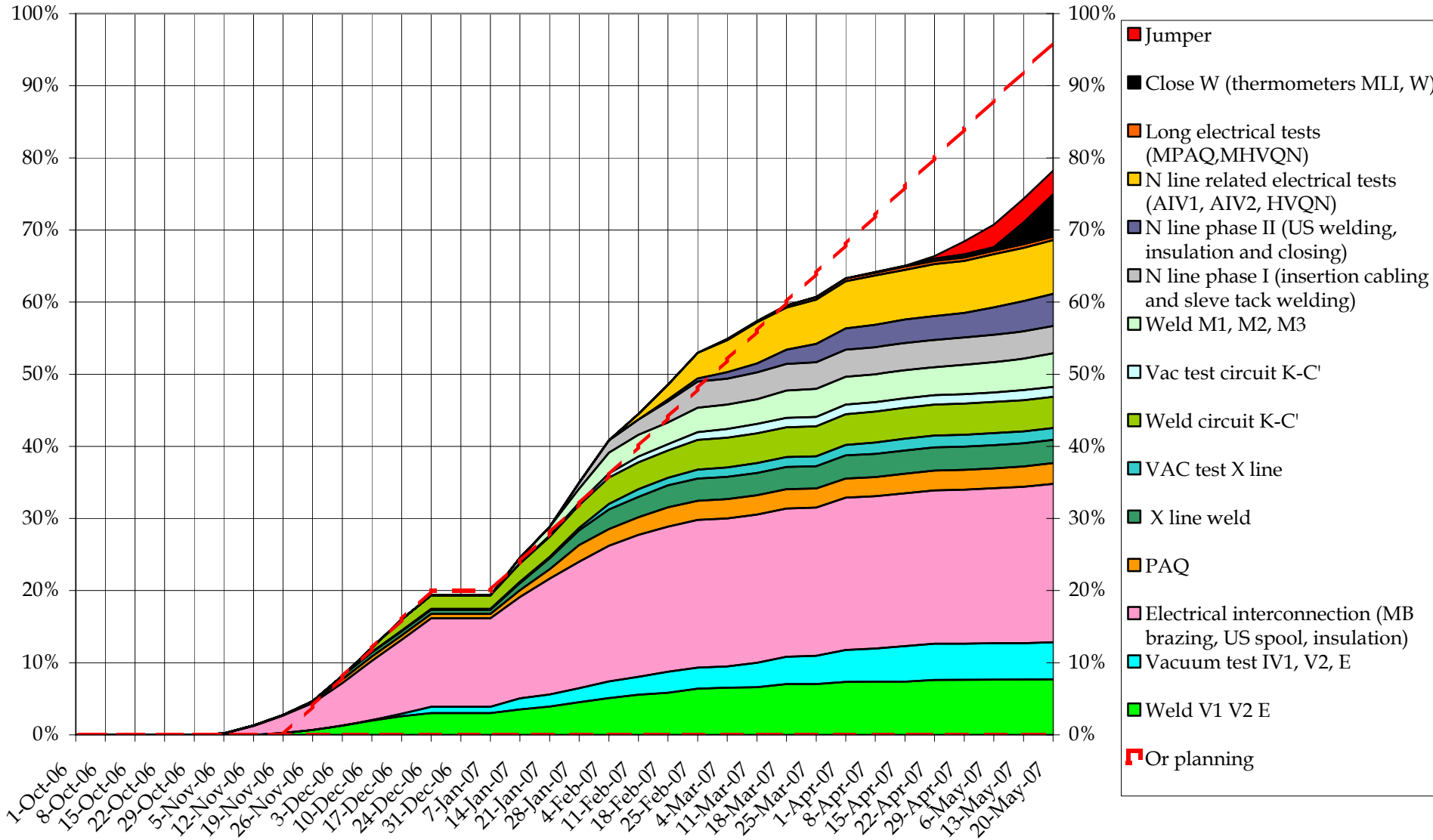
- Subsector pressure & leak tested
- Subsector leak tested at 1 bar
- Subsector evacuated
- lk On-going leak repairs
- new subsectors

Short circuit Q5R4, resistance decreased from 180Ω to few Ω after pressure test
Investigation being carried our now

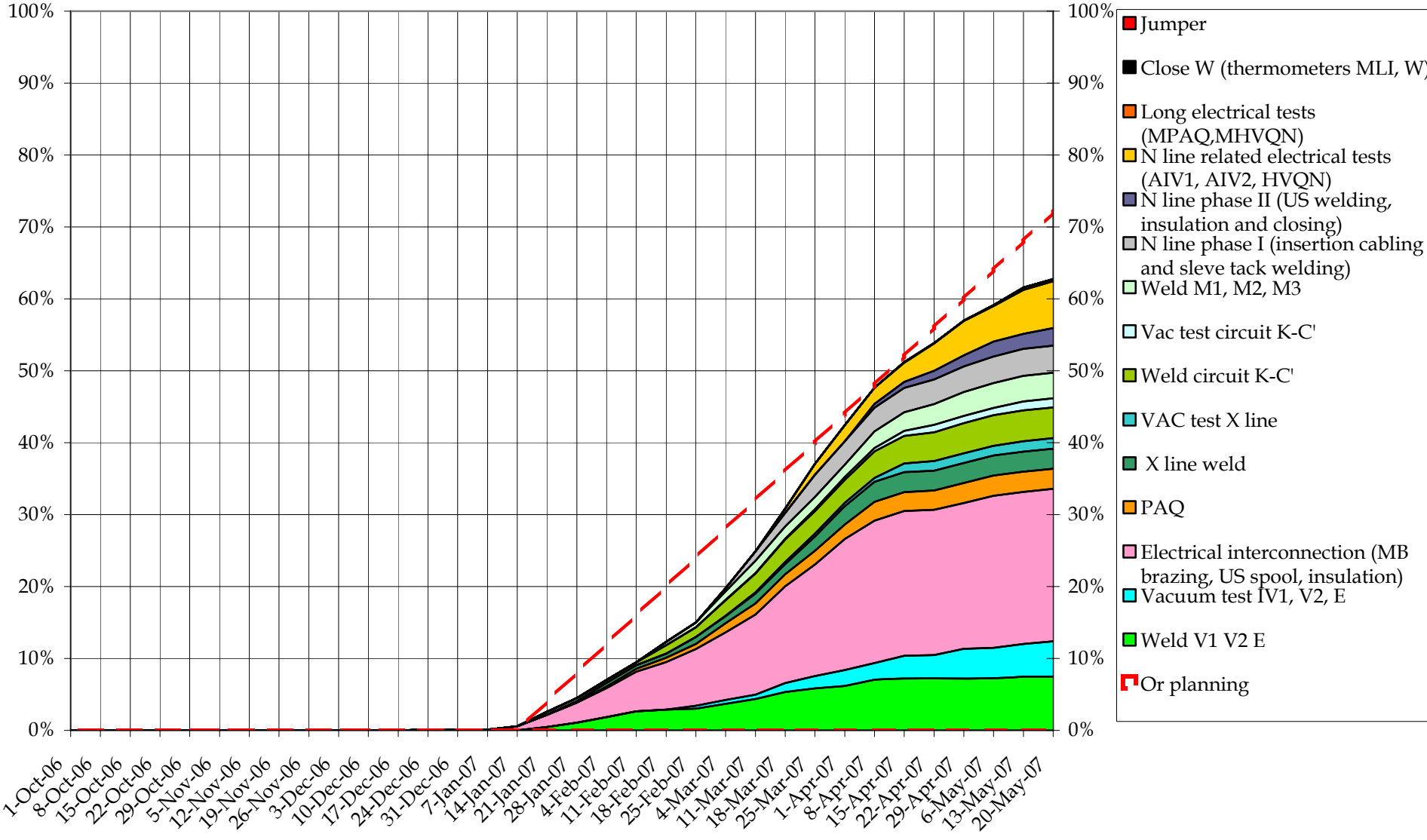
Sector 3-4 general advancement view 17-May-2007



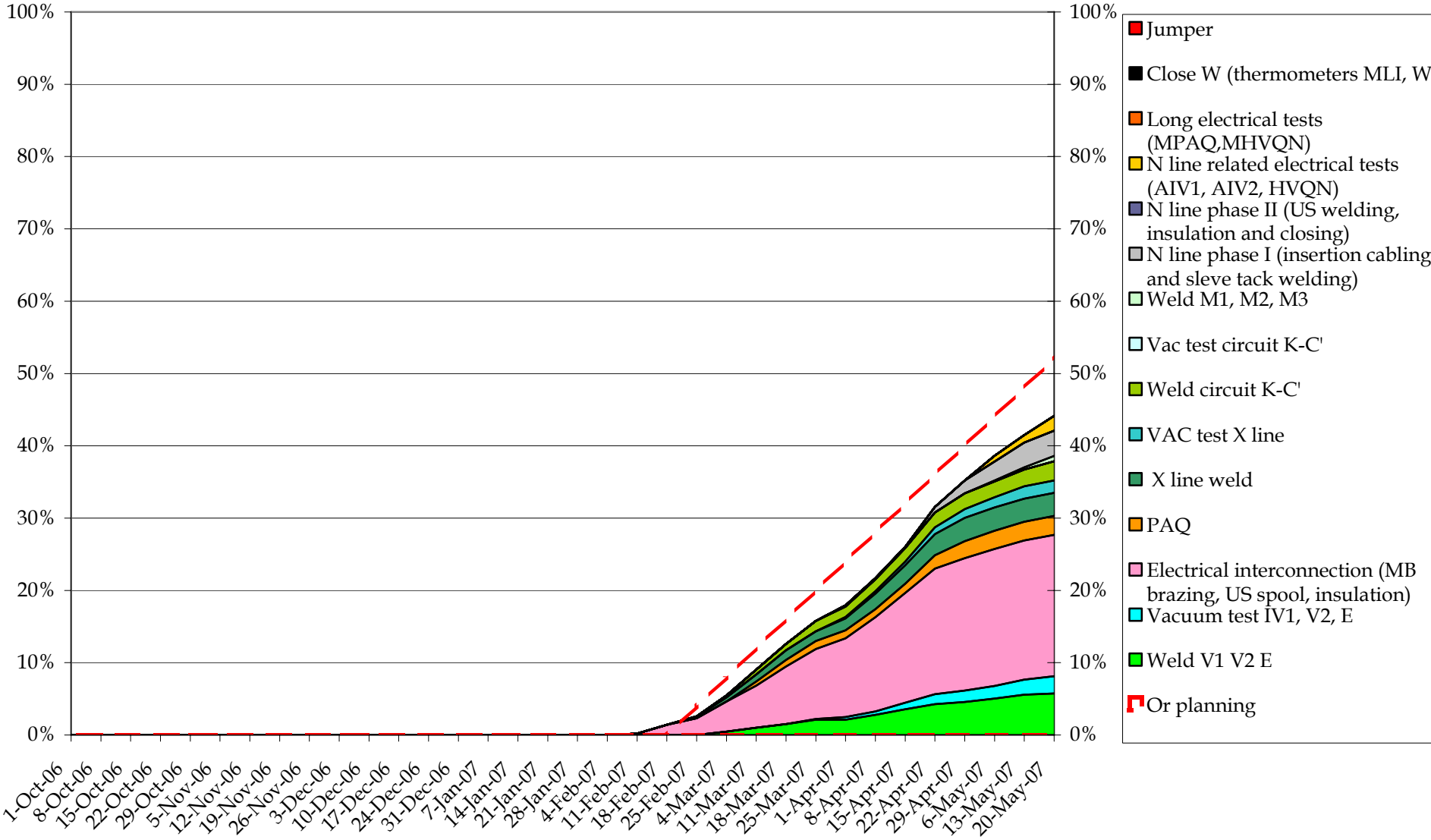
Sector 5-6 general advancement view 17-May-2007



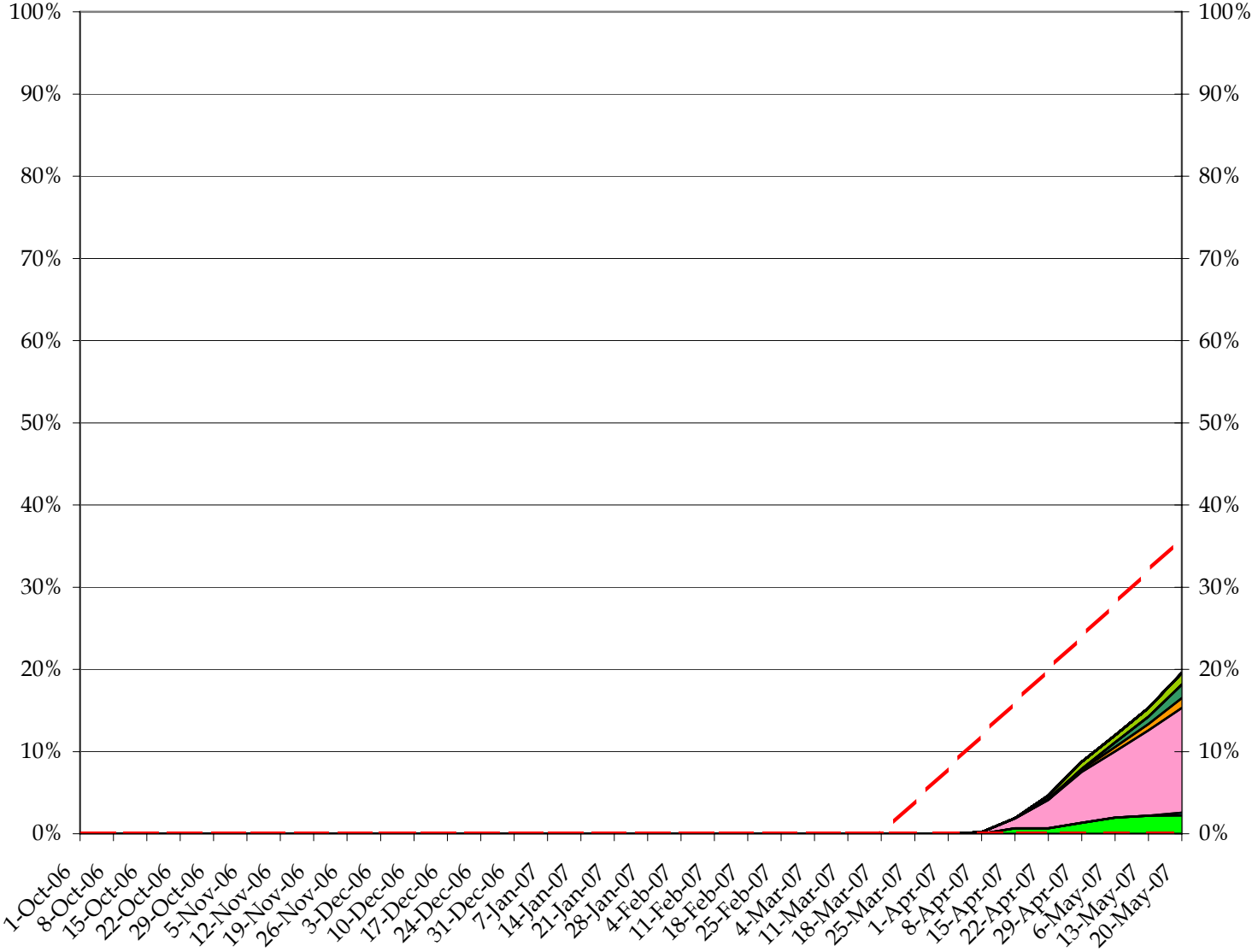
Sector 2-3 general advancement view 17-May-2007



Sector 6-7 production rates 17-May-2007



Sector 6-7 production rates 17-May-2007



- Jumper
- Close W (thermometers MLI, W)
- Long electrical tests (MPAQ, MHVQN)
- N line related electrical tests (AIV1, AIV2, HVQN)
- N line phase II (US welding, insulation and closing)
- N line phase I (insertion cabling and sleeve tack welding)
- Weld M1, M2, M3
- Vac test circuit K-C'
- Weld circuit K-C'
- VAC test X line
- X line weld
- PAQ
- Electrical interconnection (MB brazing, US spool, insulation)
- Vacuum test IV1, V2, E
- Weld V1 V2 E
- ▬ Or planning

End of sector (arc) limiting factors

Sector	Limiting factors
3-4	Repair SSS 500 R3 (repair target 1st week june)
5-6	Completion of DS L6 (DFBA+PE (07/06/07), Interconnection cryostat)
2-3	Repair SSS 500 L3 (2nd half june) and replacement of Q11R2
6-7	Completion of DS R6 (DFBA+PE 30/05/07) and W closures
1-2	W closures and DS L2

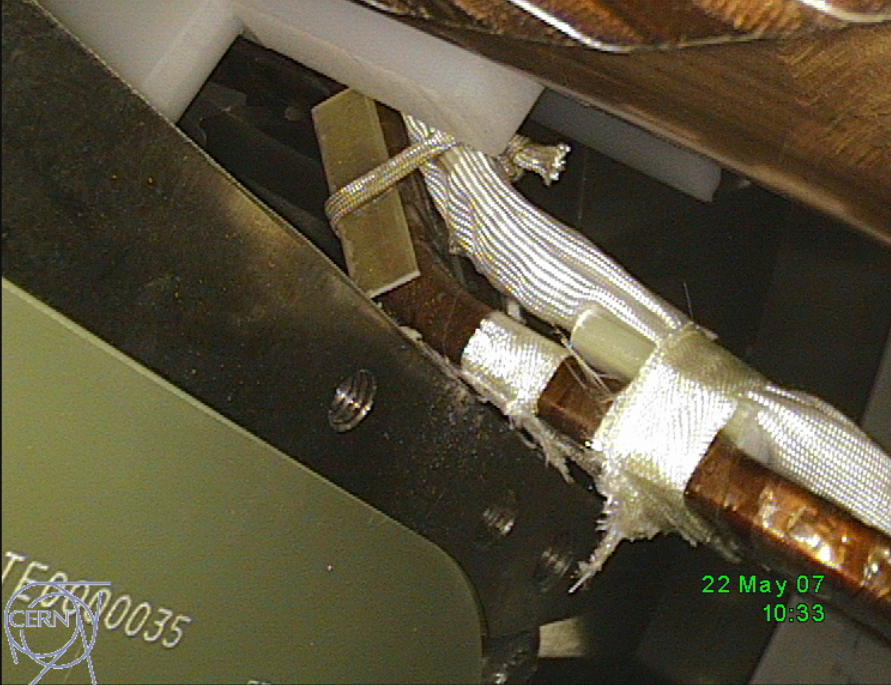
SSS 500 repair status

	7-8	8-1	4-5	3-4	5-6	2-3	6-7	1-2
Q7R				CUT BB				
Q8R				<u>DRILL</u>				
Q9R				<u>DRILL</u>				
Q10R				CUT BB				
Q11R		Ok	Ok	CUT BB	Ok	Spare	IC	
Q11L		Ok	Ok	Ok	Ok		IC	
Q10L							IC	
Q9L							IC	
Q8L							IC	
Q7L							IC	

7 re-interconnected
 6 under interconnection
 5 under repair
 7 to be repaired
 1 to be exchanged
 6 to be repaired with 7-8



Q11L4
Courtesy R. Lopez



Q8R3
Courtesy R. Lopez



Q9R3