NEW SCRAPER presentation

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SUMMARY

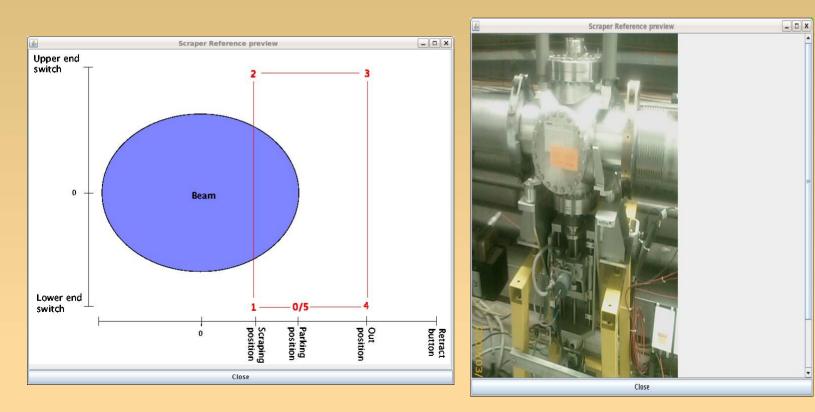
- Where is the scraper
- What is the scraper
- SIS Interlock
- LASER and DIAMON
- Application
- Action on the beam
- TIMBER

Where is the scraper

Name : BSHV.51659 (was BOSCRA)
BA5(-), LSS5, position 51659.

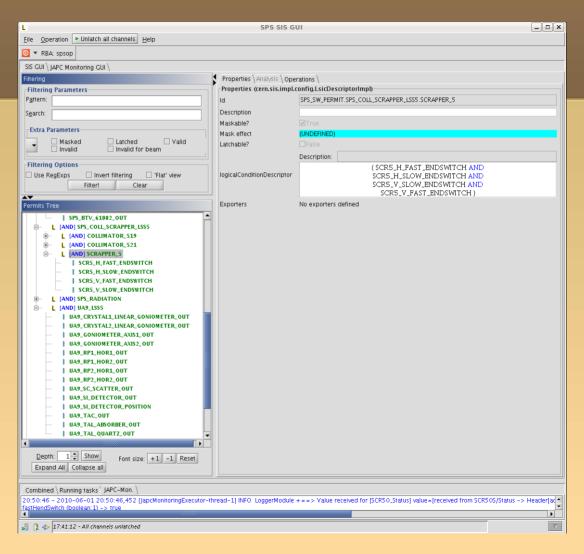
What is the scraper

The scraper is used to clean satellites for LHC high intensity beam.



SIS Interlock

The SIS interlock to be mask during scraping.



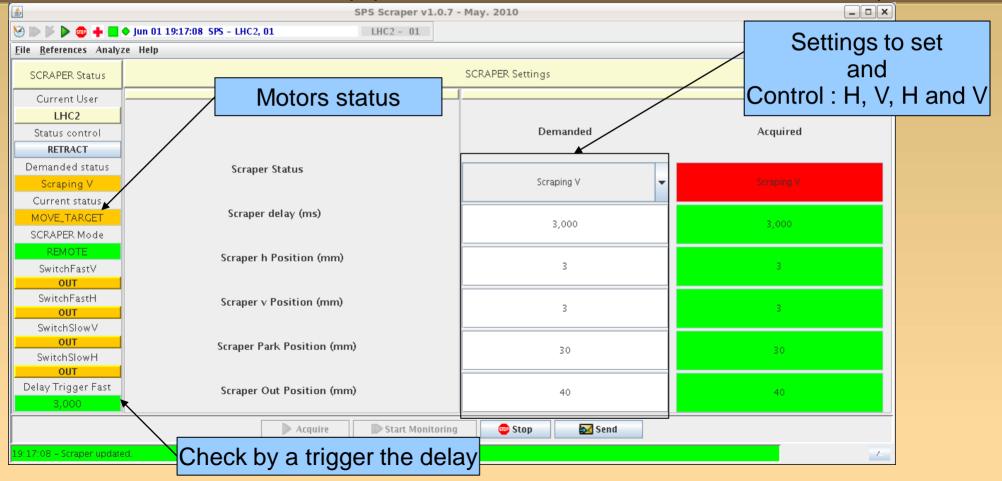
LASER and DIAMON

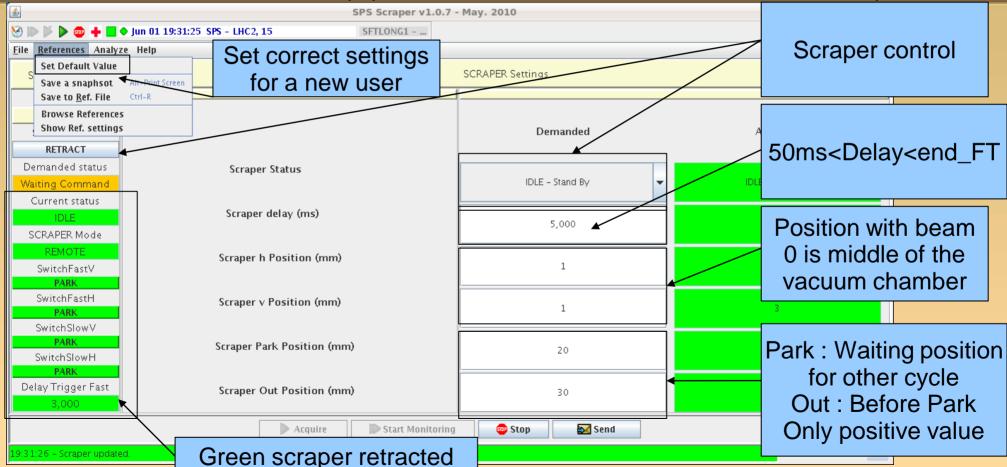
The LASER ALARM

during scraping.

Server is cfc-ba5-tscrap

	SPS Scraper v1.0.7 - May. 2010										
See											
<u>File R</u> eferences Analyze Help											
SCRAPER Status	SCRAPER Settings										
Current User											
LHC2											
Status control		Demanded	Acquired								
RETRACT											
Demanded status	Scraper Status										
Scraping V		Scraping V 🗸 👻	Scraping V								
Current status											
MOVE_TARGET	Scraper delay (ms)	3,000	3,000								
SCRAPER Mode											
REMOTE	Scraper h Position (mm)	_									
SwitchFastV		3	3								
OUT SwitchFastH											
OUT	Scraper v Position (mm)	3	3								
SwitchSlowV											
OUT	Scraper Park Position (mm)	30	30								
SwitchSlowH		50	30								
OUT											
Delay Trigger Fast 3,000	Scraper Out Position (mm)	40	40								
Acquire Start Monitoring Stop Stard											
19:17:08 – Scraper updated.											

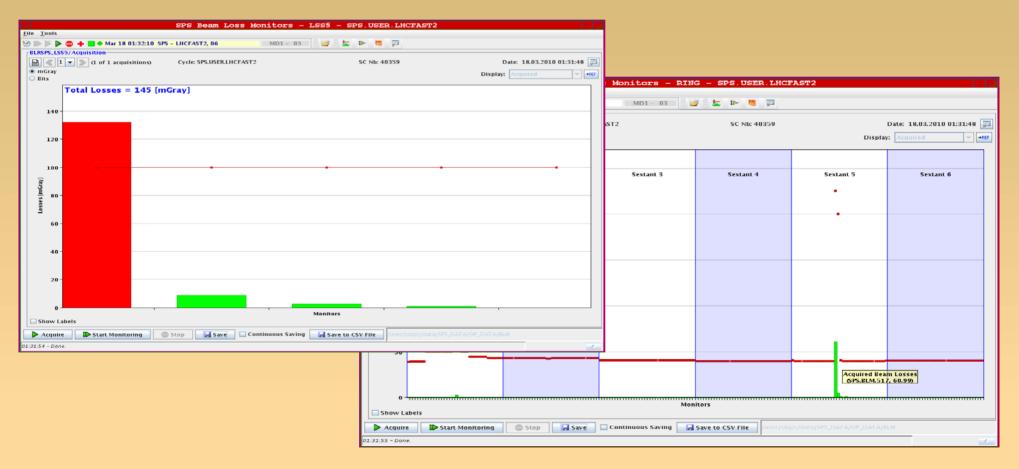




<u>چ</u>	SPS S	<u></u>		EXPERT DIS	PLAY		_ - ×
Image: Weight of the second		SCRAPER Acquisition					
SCRAPER Sta BCT high resolution BCT low resolution Current Us LHC2			Position	Resolver	Speed	Switch In	Switch Out
Status control RETRACT Demanded status Scraper Status		Fast H	-18.0	-18.03	0.0	оит	оит
Waiting Command Current status IDLE Scraper delay (ms) SCRAPER Mode		Fast V	-18.0	-18.0	0.0	ОИТ	out
REMOTE Scraper h Position (SwitchFastV	(mm)	Slow H	-19.0	-19.0	0.0	оит	
SwitchFastH Scraper v Position (PARK SwitchSlowV	mm)	Slow V	-27.0	-27.0	0.0	оит	оит
PARK Scraper Park Position SwitchSlowH PARK Delay Trigger Fast Scraper Out Position		Reset	Delay Too short	Scrap Aborted	Scrap Cmd Tim	Scrap Cmd F	Steps Lost
Delay Trigger Fast Scraper Out Position (mm) 3,000 Acquire Start Monitoring Start Monitoring							
19:31:41 – Scraper updated,							

Action on the beam

Losses in BLMs BA5 and LSS5



Action on the beam

BCT effect

