- Space craft tracking mode
- Reconnect a station
- Mark 5 eVLBI emulation
- Minor update
- Mark 5B



Space craft tracking mode

- Why?
- Switching recording/playback
- Timing

Ok Cancel	Switch record	ding for scans with sour	rce	All		Switch	
Scan name	Source	Start time	Start time			Recon	
	4C39.25	288d13h44m01s				1	
						14	
						14	
No0004	4C39.25					1	
	4C39.25						
						1	
	4C39.25						
						1	
	4C39.25						
	4C39.25					1	
	4C39.25					10	
						14	
						10	
						14	
						1	
No0018	4C39.25	288d14h01m01s	285	d14h02mi	01s	V	
No0019	4C39.25	288d14h02m01s	288	id14h03ml	Dis	V	
No0020	4C39.25	288d14h03m01s	285	d14h04mi	01s		
No0021	4C39.25	288d14h04m01s	288	id14h05m	01s	V	
No0022	4C39.25	288d14h05m01s	285	id14h06mi	01s		
No0023	4C39.25	288d14h06m01s	288	d14h07m	01s	~	
No0024	4C39.25	288d14h07m01s	285	id14h08ml	01s		
No0025	4C39.25	288d14h08m01s	288	d14h09m	01s		
No0026	4C39.25	288d14h09m01s	288	id14h10ml	D1s	~	
No0027	4C39.25	288d14h10m01s	285	d14h11m	01s		
No0028	4C39.25	288d14h11m01s	285	id14h12m	01s	~	
No0029	4C39.25	288d14h12m01s	285	id14h13mi	01s		
No0030	4C39.25	288d14h13m01s	288	d14h14m	01s	~	
No0031	4C39.25	288d14h14m01s	285	id14h15mi)1s		
No8832	4C39.25	288d14h15m01s	288	d14h16m	D1s		
No0033	4C39.25	288d14h16m01s	285	id14h17mi	01s	~	
No0034	4C39.25	288d14h17m01s	288	d14h18m	D1s		
No0035	4C39.25	288d14h18m01s	285	id14h19m	nie.		



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Space craft tracking mode

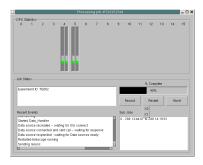
Reconnect a station

- Mark 5 eVLBI emulation
- Minor update
- Mark 5B



Reconnect a station

- Correlate as much data as possible
- Usage
- ROT clock





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ROT clock

- Copy a ROT clock unit
- First testing: 3 seconds delay
- Further testing: not that constant
- No update for 2 or 3 seconds



- Space craft tracking mode
- Reconnect a station
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- Minor update
- Mark 5B



Mark 5 eVLBI emulation

Testing

- Utility that responds as a Mark 5
- Send data stream with correct headers

Usage

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1	X6	ŧ				Not found	Restart	9000	8M	128K		;p 🔶 u	id
2	X3	Ŧ				Not found	Restart	4470	8M	128K	ं ध	:p 🔶 u	ıd
		1 ±				ii	Restart				् ध	:p 🔷 u	id
		ŧ					Restart				ं ध	:p 🕓 u	íď
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- Space craft tracking mode
- Reconnect a station
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- Minor update
- Mark 5B



Minor updates

- Bank switching
- Mount requests



Bank switching

- From one medium to two
- Required for Mark 5B
- Allows longer night jobs



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Mount requests

- On startup of job, search for media
- After 80 seconds, operator gets warnings
- And another message ...
- eVLBI: have to abort job
- Replaced with one message box







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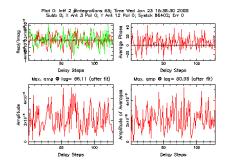


- Space craft tracking mode
- Reconnect a station
- Mark 5 eVLBI emulation
- Minor update
- Mark 5B



Mark 5B

- Replacing SU
- Communication
- The CF header difference

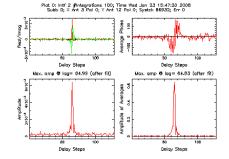


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The delay problem

- Regular clock search
- Try data frames, correlator frames, seconds
- One second delayed
- Start ROT and start byte
- Model applied with an offset of 0.13 seconds





Questions

Questions?

