![LiCONiC INSTRUMENTS]	**Questions & Answers**

Title:	Error Recovery – ST 1800 Soft Reset Command	ID:
		0271

Date in:	Response:	Model:	Author:
2006-10-13	2006-10-13	STX220	CMa

Q:

Again, for time being, please provide information how to have STX220 release error, return the place then re-try the process.

A:

Recovery is no problem and can - in case of a soft error - be done without the need of re-initialization (ST 1800 instead of ST 1900). The ST 1800 brings the machine back (RD 1915 becomes '1' again) and you now me change DM0 and DM 5 and re-route the plate.

1.1.1 Soft Reset (1800)

1800	Execute General System Reset		
Flag Name	1800	Content	Perform recoverable reset for plate transfer process
Protocol	Legacy	Related	1814, 1904, 1905, 1906, 1907, 1908, 1909, 1915, DM0, DM5, DM200
FW Version	7.14+	Instrument	All
Default	0	Type	System Control
Read/Write	W	Range	0,1

Flag 1800 forces a soft reset of the system plate access. The 1800 is intended to be written to only. The ST 1800 will affect specific flags and data memories. The ST 1800 command is used to implement error recovery procedures.

Action	Command String	Response	Comment
Set 1800	ST 1800	OK	

A "ST 1800" will force a reset of a plate access after an handling error has occurred allowing redefinition of a plate access. Therefore the values in DM0 and DM5 remain unchanged by the 1800 command.

Typically an ST 1800 is used when an error occurred during a plate transfer process (e. g. when the handling tries to put a plate on a location that is already occupied). In this case the system sets the error flag (1814) and writes an error number in the error register (DM200). The global ready flag (1915) remains '0'.

In this case the "ST 1800" allows recovery of the access without the need of re-initializing the entire system. After setting the 1800 (ST 1800) the ready flag (RD 1915) sends '1' indicating that the system is ready to accept a new plate handling command. Note that the "ST 1800" will not change or reset the slot selection (DM0) or the level selection (DM5).