

SUNA1178

Version: V2

Operator: Taylor

Reference Update Time: 23-May-2018 08:25:34

Comment: TN368 post 2 REMUS missions. Summary report before changing sampling settings.

Was in Polled mode w REMUS sending "start" command and then "status" every sec until

"stop" at end of mission. SUNA was not taking any dark counts and sampling every 1 sec.

Dark counts occurred when lamp over heated to 35C while at surface taking GPS fix

Ancillary	Value	Setting	Value
Firmware Revision	2.5.1	SerialBaudRate	38400
Total Disk Space (byte)	3954802688	OperationMode	Polled
Free Disk Space (byte)	3680731136	FixedDuration	60
Used Lamp Time (sec)	303006	FrameTransfer	FULL_BINARY
Clock Time	2019/07/09 18:38:48 UTC	FrameLogging	FULL_ASCII
		OperationControl	Duration
		CycleLightFrames	58
		CycleDarkFrames	2
		CycleLightDuration	58
		CycleDarkDuration	2
		Baseline	Linear
		Adaptive Integration	Off
		Concentrations Fitted	N03_SW_TSW
		Concentrations Available	3
		Bromide Trace	false
		IntegPeriod (ms)	275
		WavelenMin (nm)	217.0
		WavelenMax (nm)	240.0
		NO3DacMin (μM)	-5.0
		NO3DacMax (μM)	100.0
		SpectralInLightAvg	1
		SpectralInDarkAvg	1
		PeriodicInterval	1 hr
		PeriodicOffset	0
		PeriodicDuration	5
		PeriodicSamples	5
		LogFileType	By Sample Event
		LogFileMaxSz	5

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Configuration

SENSTYPE SUNA
SENSVERS V2
SERIALNO 1178
THEBRAND Satlantic
PATHLGTH 10mm
INTWIPER Missing
EXTPPORT Missing
SUPRCAPS Available
PWRSVISR Available
USBSWTCH Available
RELAYBRD Missing
SDI12BRD Missing
ANALGBRD Missing
INTDATLG Available
APFIFACE Missing
SCHDLING Available
OWIRETLP 106c21e902080093
OWIRETSP 105e20e9020800dd
OWIRETHS 107e6c5403080004
ZSPEC_SN 112000
FIBERLSN G7.D01.2855
CUSTOMID none
STUPSTUS Done
BAUDRATE 38400
MSGLEVEL Info
MSGFSIZE 2
DATFSIZE 5
OUTFRTP Full_Binary
LOGFRTP Full_ASCII
OUTDRKFR Output
LOGDRKFR Output
LOGFTYPE Acquisition
AFILEDUR 60
ACQCOUNT 48
CNTCOUNT 0
DCMINNO3 -5.000
DCMAXNO3 100.000
WDAT_LOW 217.00
WDAT_HGH 250.00
SDI12ADD 48
DATAMODE Real
OPERMODE Polled
OPERCTRL Duration
EXDEVTYP None
EXDEVPRE 0
EXDEVRUN Off
EXDVIVAL 0

Configuration

COUNTDWN 3
FIXDDURA 60
PERDIVAL 1h
PERDOFFS 0
PERDDURA 5
PERDSMPL 5
POLLTOUT 900
APFATOFF 10.0000
STBLTIME 5
SKPSLEEP Off
LAMPTOFF 35
SPINTPER 275
DRKAVERS 1
LGTAVERS 1
DRKSMPLS 2
LGTSMPLS 58
DRKDURAT 2
LGTDURAT 58
TEMPCOMP Off
SALINFIT On
BRMTRACE Off
BL_ORDER 1
FITCONCS 3
DRKCORMT SpecAverage
A_CUTOFF 1.3000
INTPRADJ Off
INTPRFAC 1
INTADSTP 20
INTADMAX 20
WFIT_LOW 217.00
WFIT_HGH 240.00
LAMPTIME 303006