

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19135 - L2 Version 1
Chandra X-Ray Center

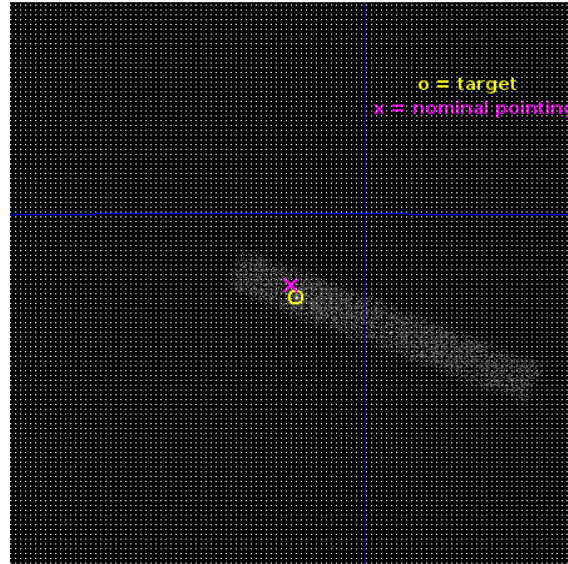
L2 Processing Date : May 25 2017

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1 Front

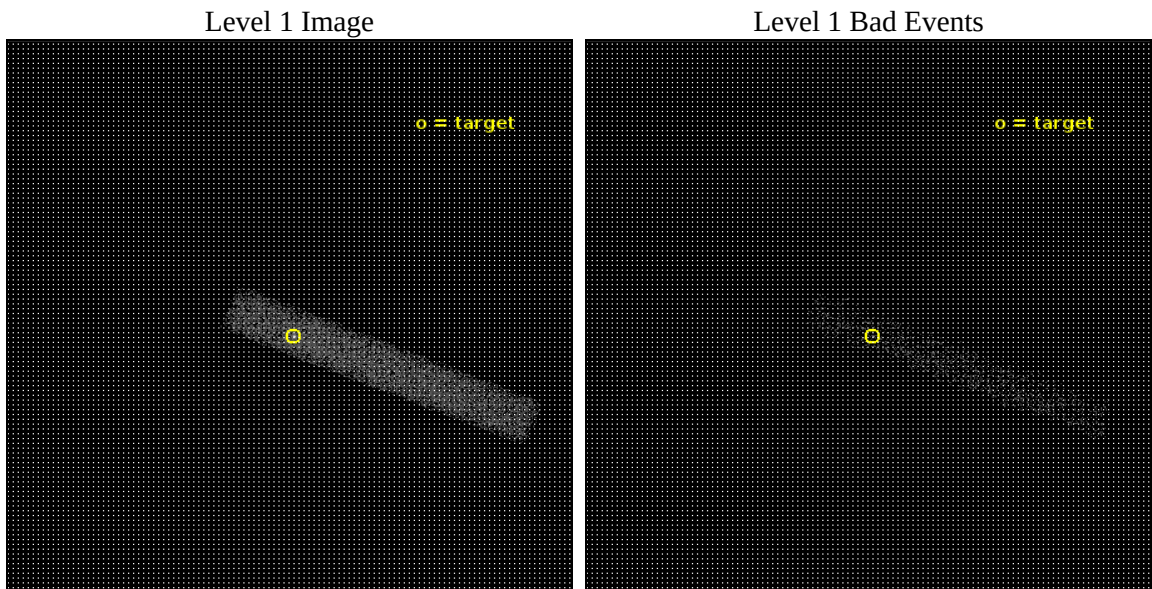
seq_num	502785	Sequence number
obs_id	19135	Observation id
title	PROMPT STUDY OF MAGNETAR OUTBURSTS WITH CHANDRA AND NUSTAR	Proposa
observer	Nanda Rea	Principal investigator
object	CXO J164710.2-455216	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	251.7925	Observer's specified target RA [deg]
dec_targ	-45.871389	Observer's specified target Dec [deg]
ra_nom	251.79573147103	Nominal RA [deg]
dec_nom	-45.865708857949	Nominal Dec [deg]
roll_nom	21.680652552333	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10068.799399734	Sum of GTIs [s]
livetime	9131.8695807487	Livetime [s]
ontime7	10068.799399734	Sum of GTIs [s]
l2events	9077	Number of level 2 events



2 OBI

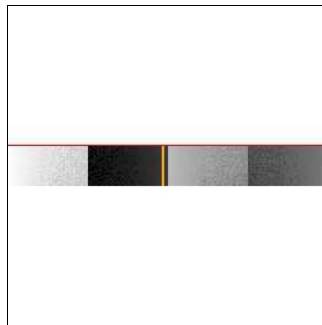
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	10068.799399734	Sum of GTIs [s]
caldsver	4.7.4	 	ontime7	10068.799399734	Sum of GTIs [s]
date	2017-05-25T15:37:29	Date and time of file creation	l1events	15872	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

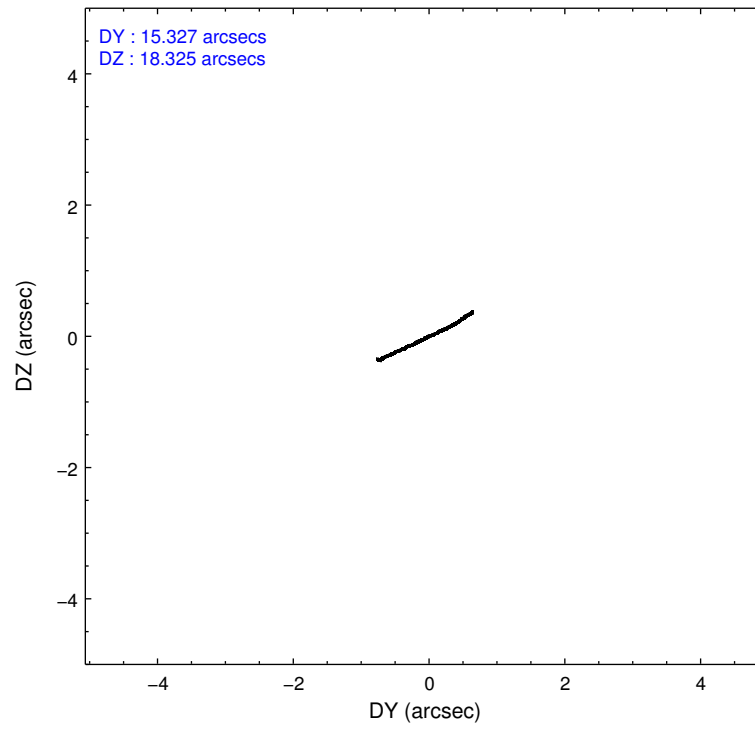
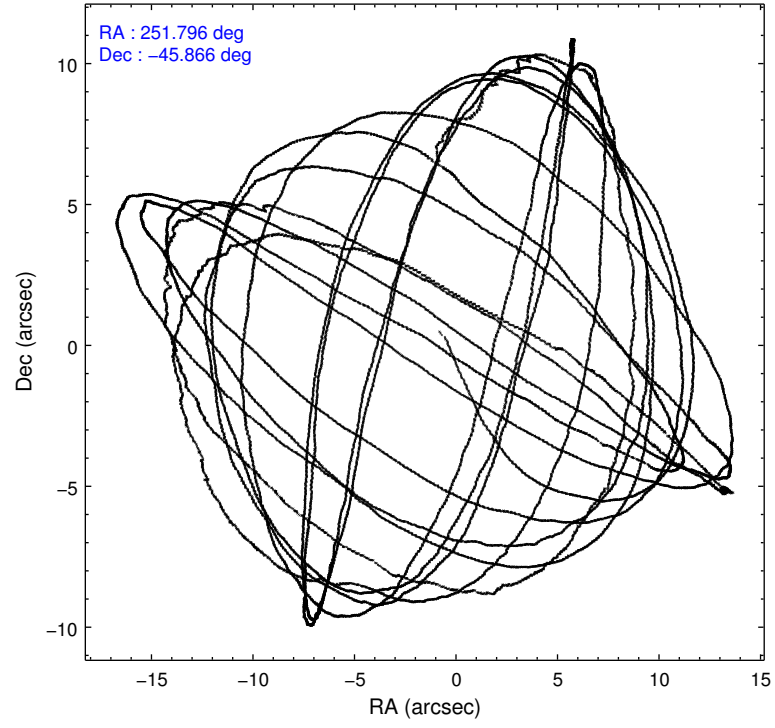
	ccd 7
level 1 events	15872
rejected events	6501
rejected %	40%

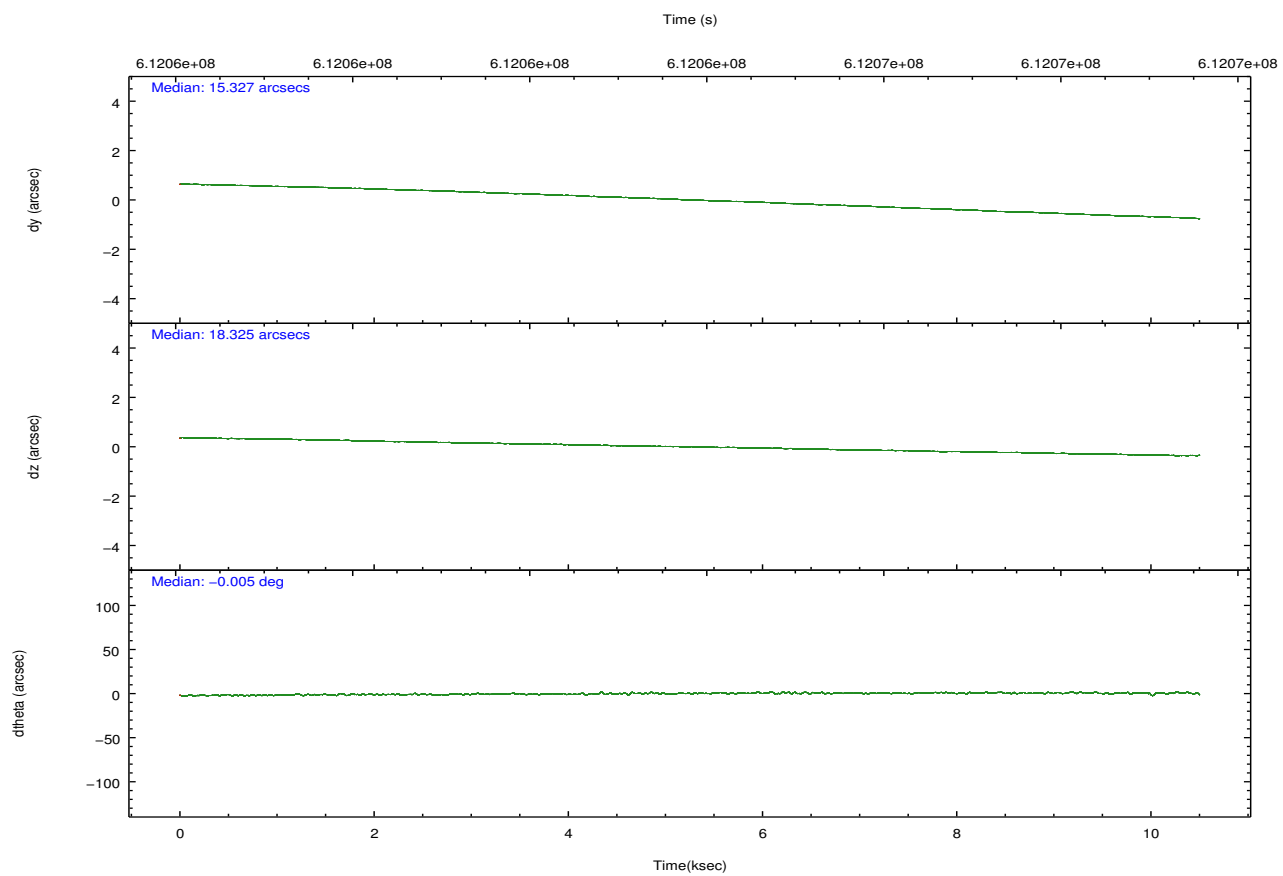
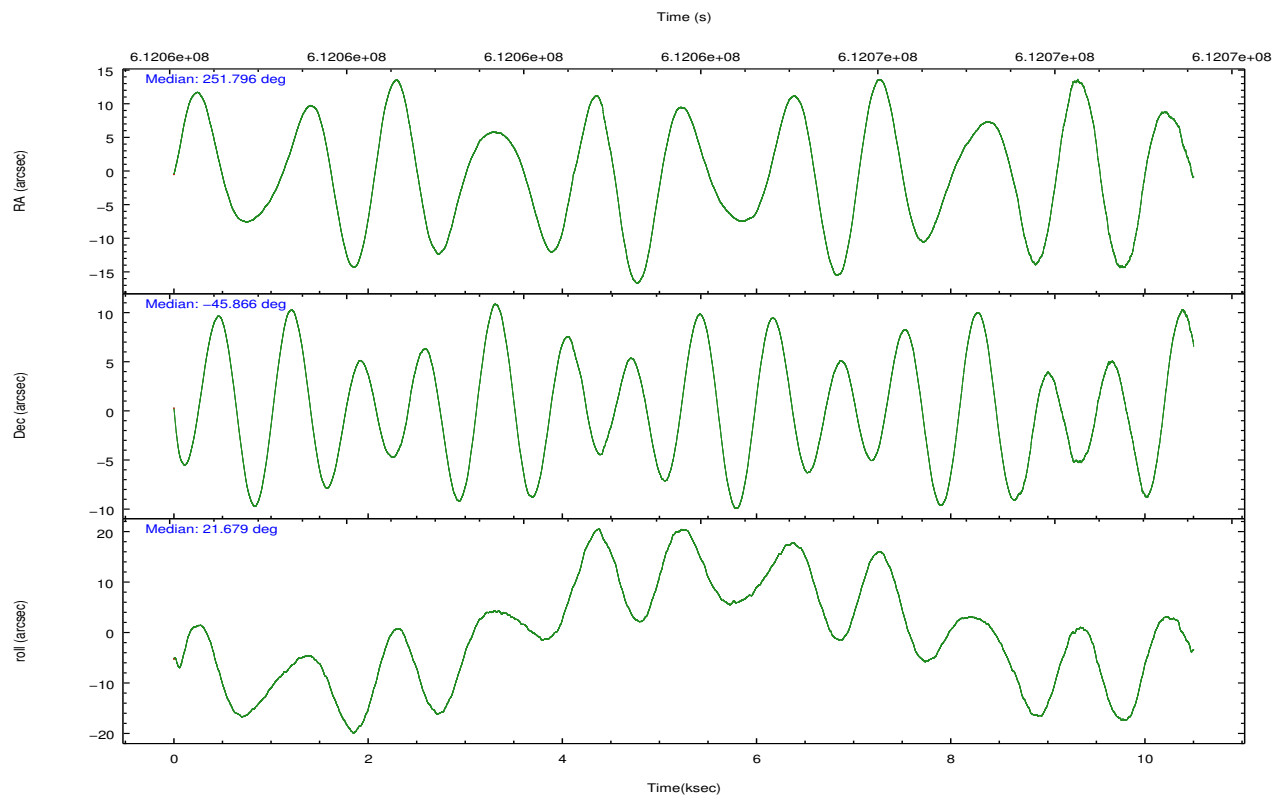
	ccd 7
grade 0 events	1218
	7%
grade 1 events	25
	0%
grade 2 events	1968
	12%
grade 3 events	1225
	7%
grade 4 events	1149
	7%
grade 5 events	1333
	8%
grade 6 events	3811
	24%
grade 7 events	5143
	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	251.771637	251.7957314710253	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-45.887461	-45.86570885794865	Subarray start row	449	449
[deg] Pointing Roll	21.506728	21.68065255233277	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	612059069.184000	612058197.7476799			
Observation start date	2017-05-25T00:23:20	2017-05-25T00:09:57			
[s] Observation end time (MET)	612069069.184000	612069743.34835			
Observation end date	2017-05-25T03:10:00	2017-05-25T03:22:23			
Read mode	TIMED	TIMED			

2.3 Aspect



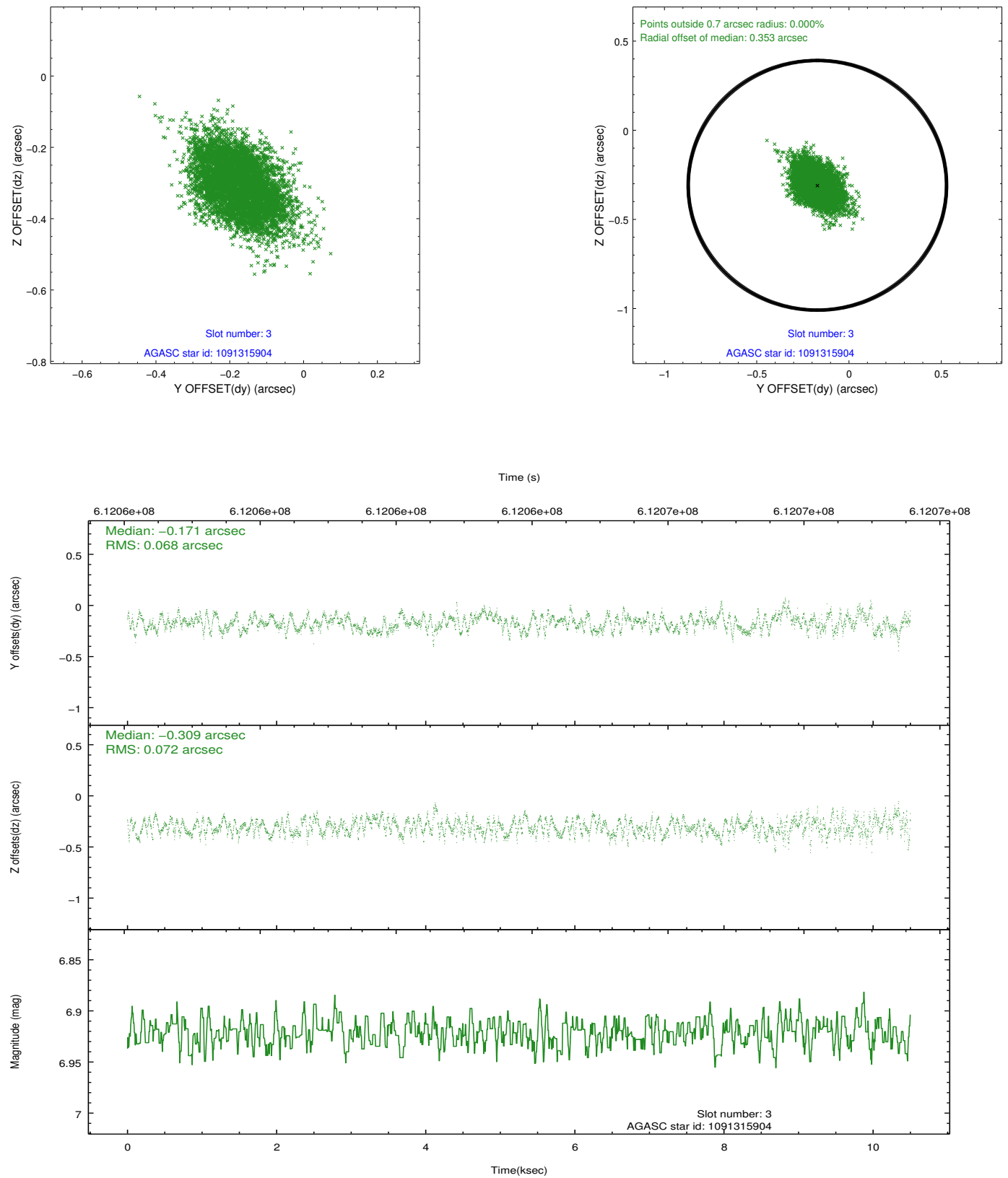


Slot Statistics

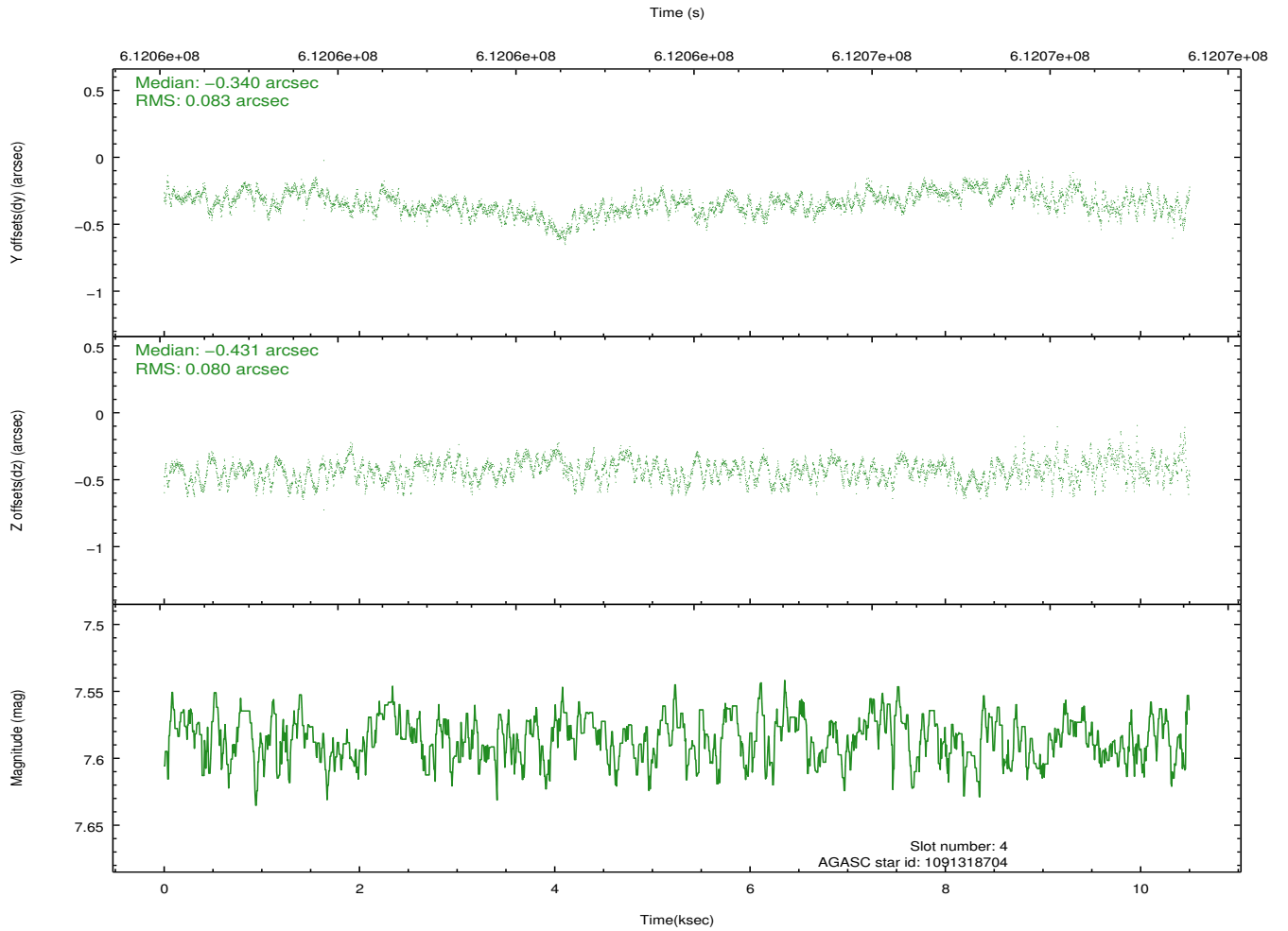
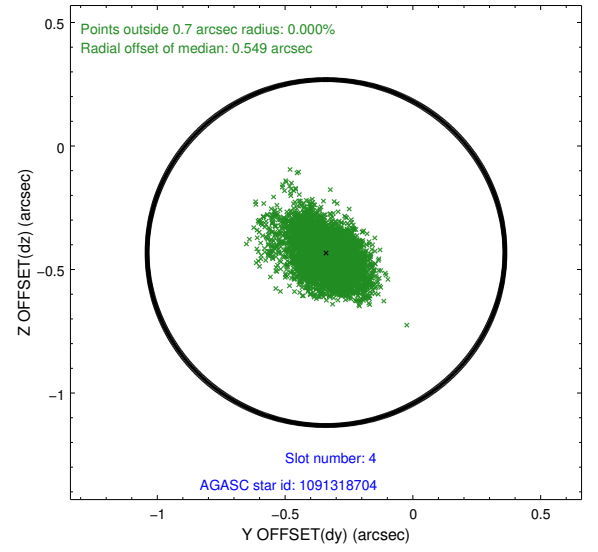
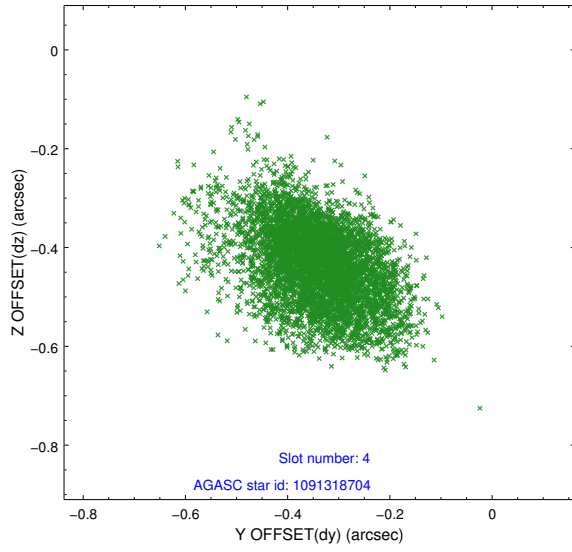
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.13	2562	-0.088	-0.011	0.008	0.014	0.000000	0.000000	927.64	-1735.44
1	FID		ACIS-S-4	7.16	2562	0.223	0.044	0.007	0.012	0.000000	0.000000	2145.64	168.26
2	FID		ACIS-S-6	7.29	2562	-0.159	-0.023	0.009	0.016	0.000000	0.000000	394.15	806.12
3	GUIDE	used	1091315904	6.92	5124	-0.171	-0.309	0.105	0.168	252.023077	-45.944918	509.57	-424.28
4	GUIDE	used	1091318704	7.59	5122	-0.340	-0.431	0.121	0.202	251.955714	-45.390313	1088.98	1493.67
5	GUIDE	used	1091321136	8.50	5120	-0.090	0.050	0.107	0.182	252.629031	-45.865288	2025.07	-723.72
6	GUIDE	used	1091321752	6.94	5124	0.340	0.316	0.101	0.163	251.516776	-46.486101	-1377.11	-1774.17
7	GUIDE	used	1091343368	6.90	5123	0.259	0.373	0.108	0.181	251.526552	-46.531998	-1415.66	-1937.55

2.4 Star Slots

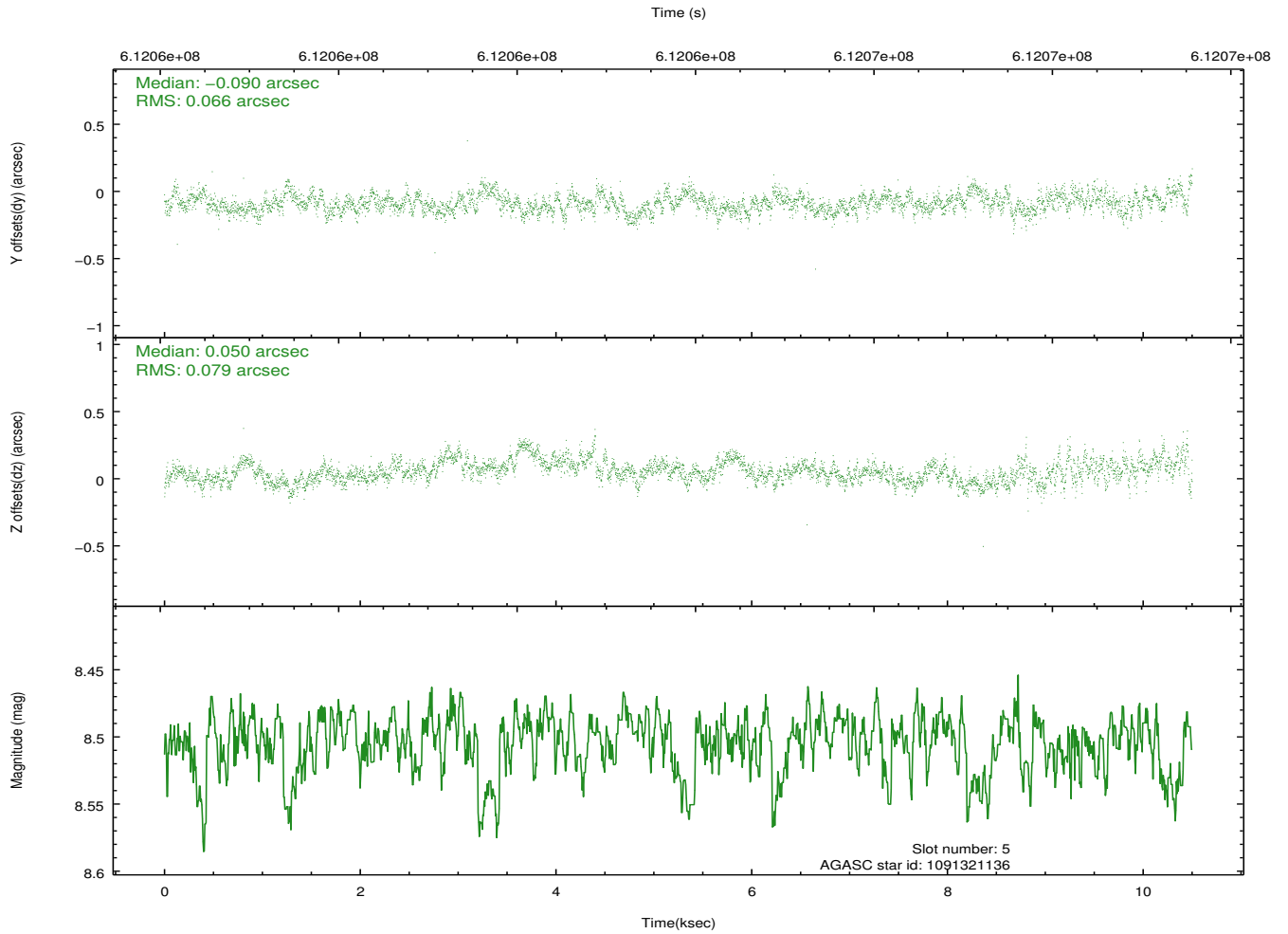
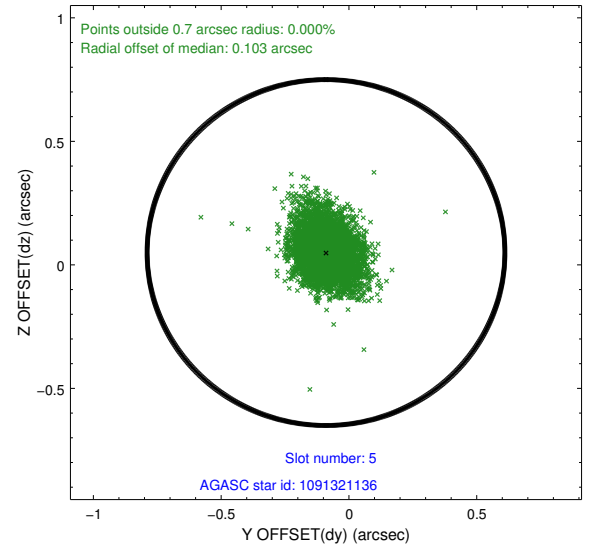
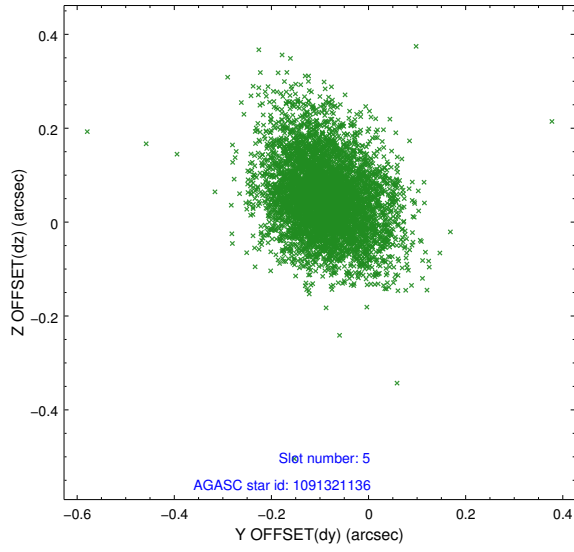
2.4.1 Slot 3



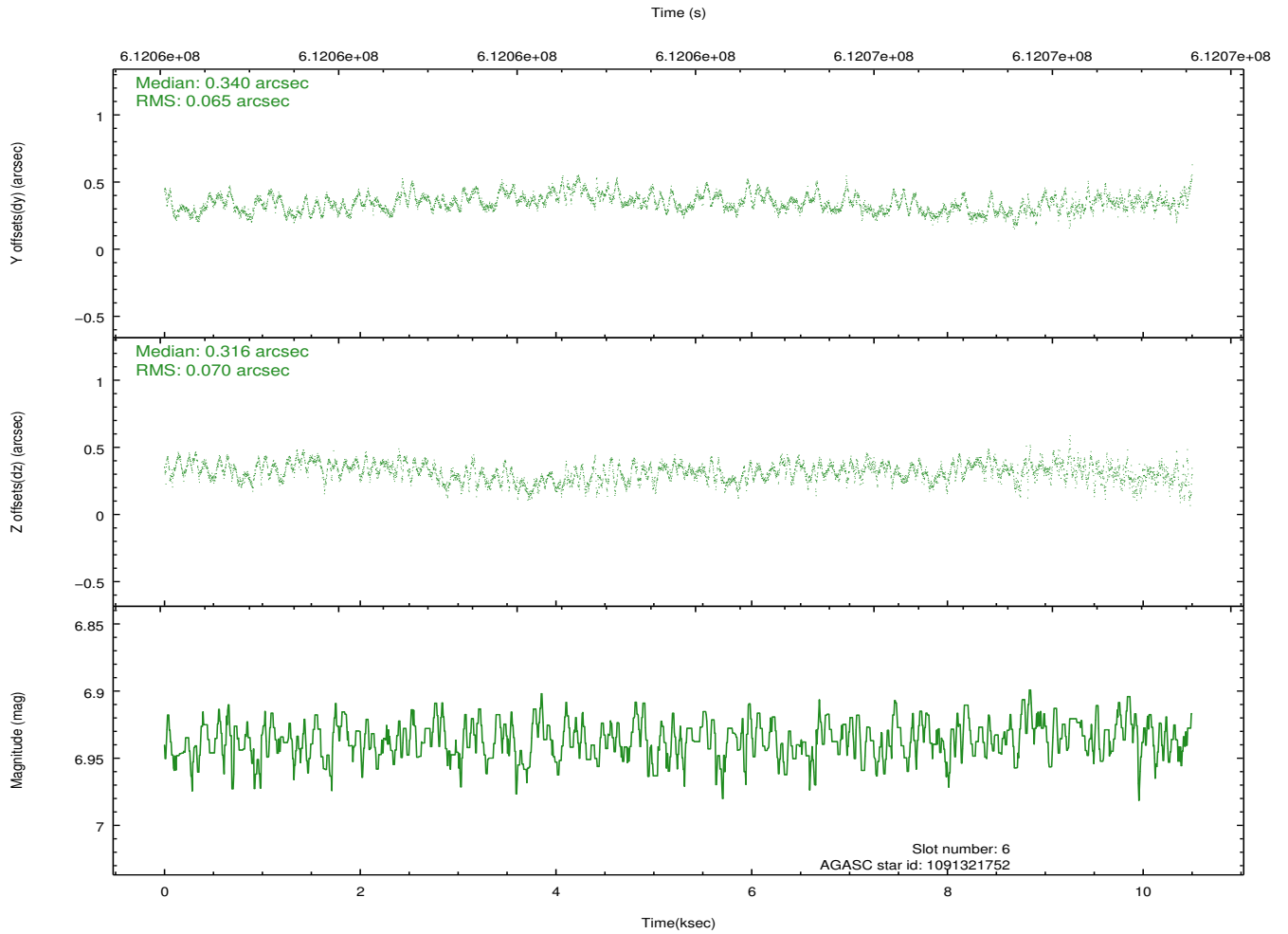
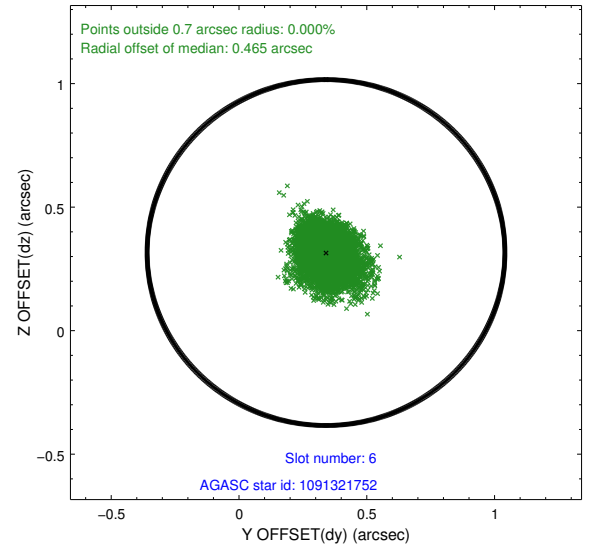
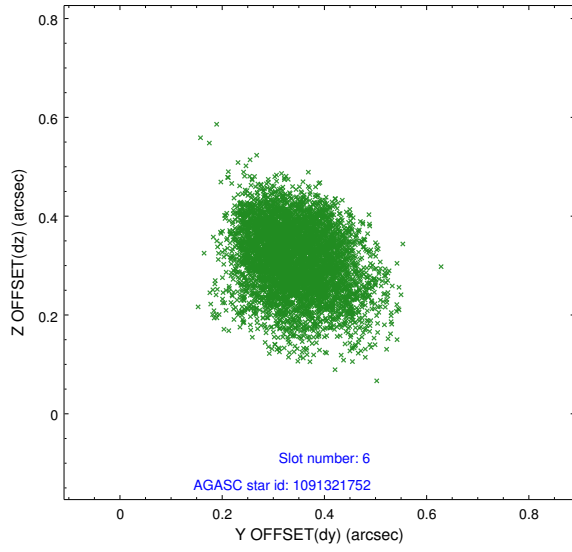
2.4.2 Slot 4



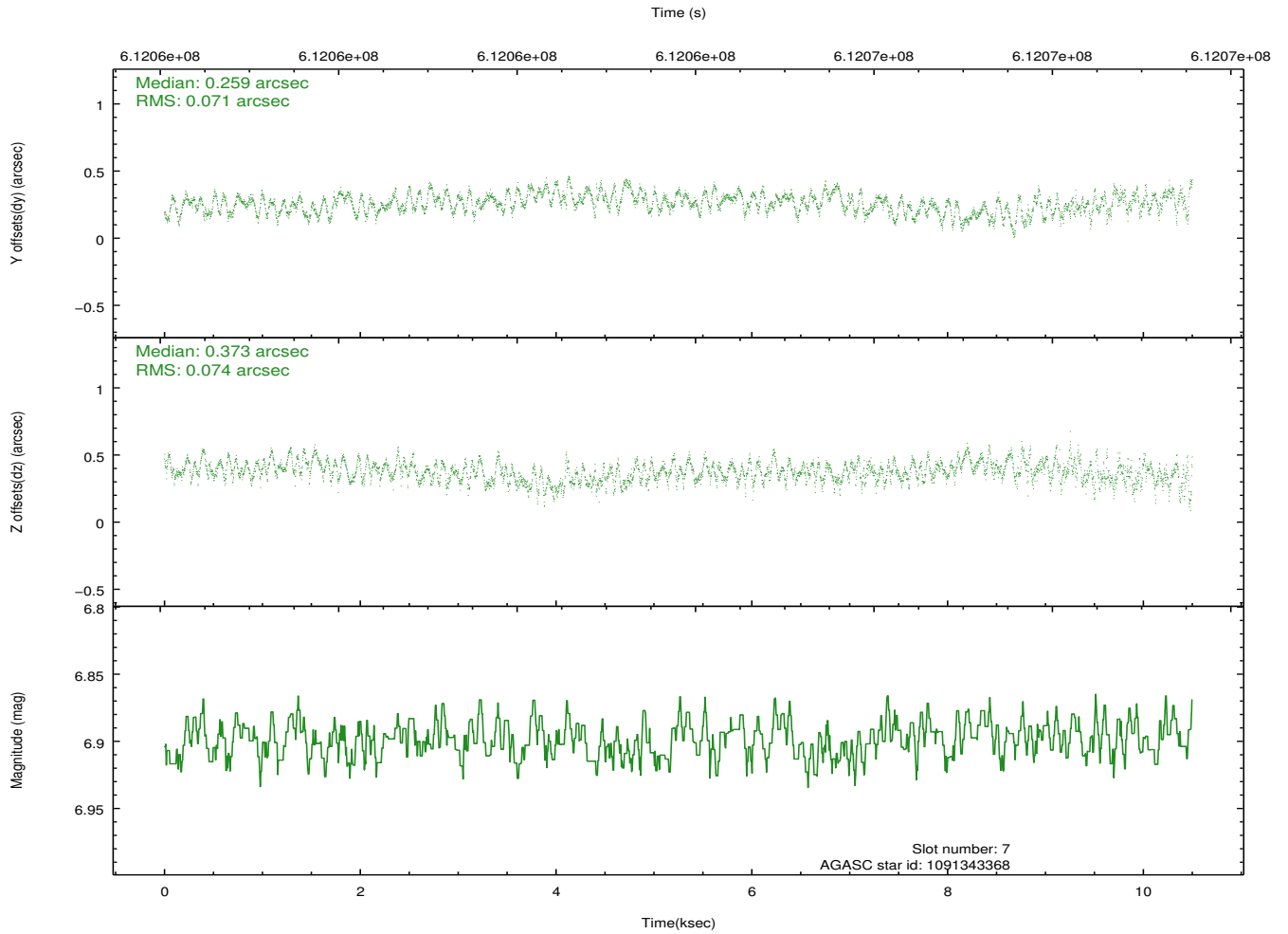
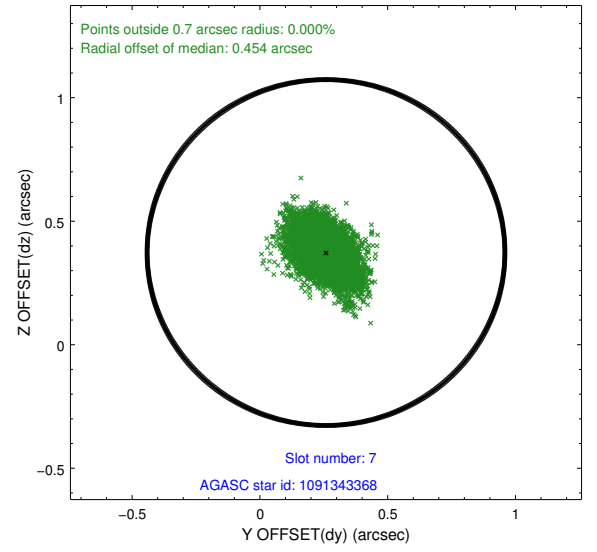
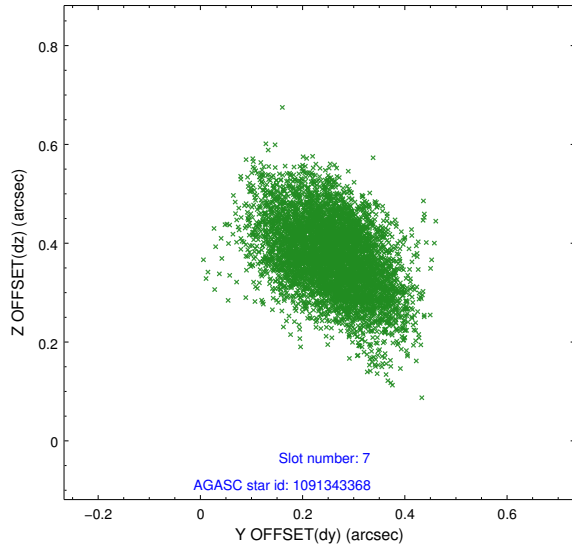
2.4.3 Slot 5



2.4.4 Slot 6

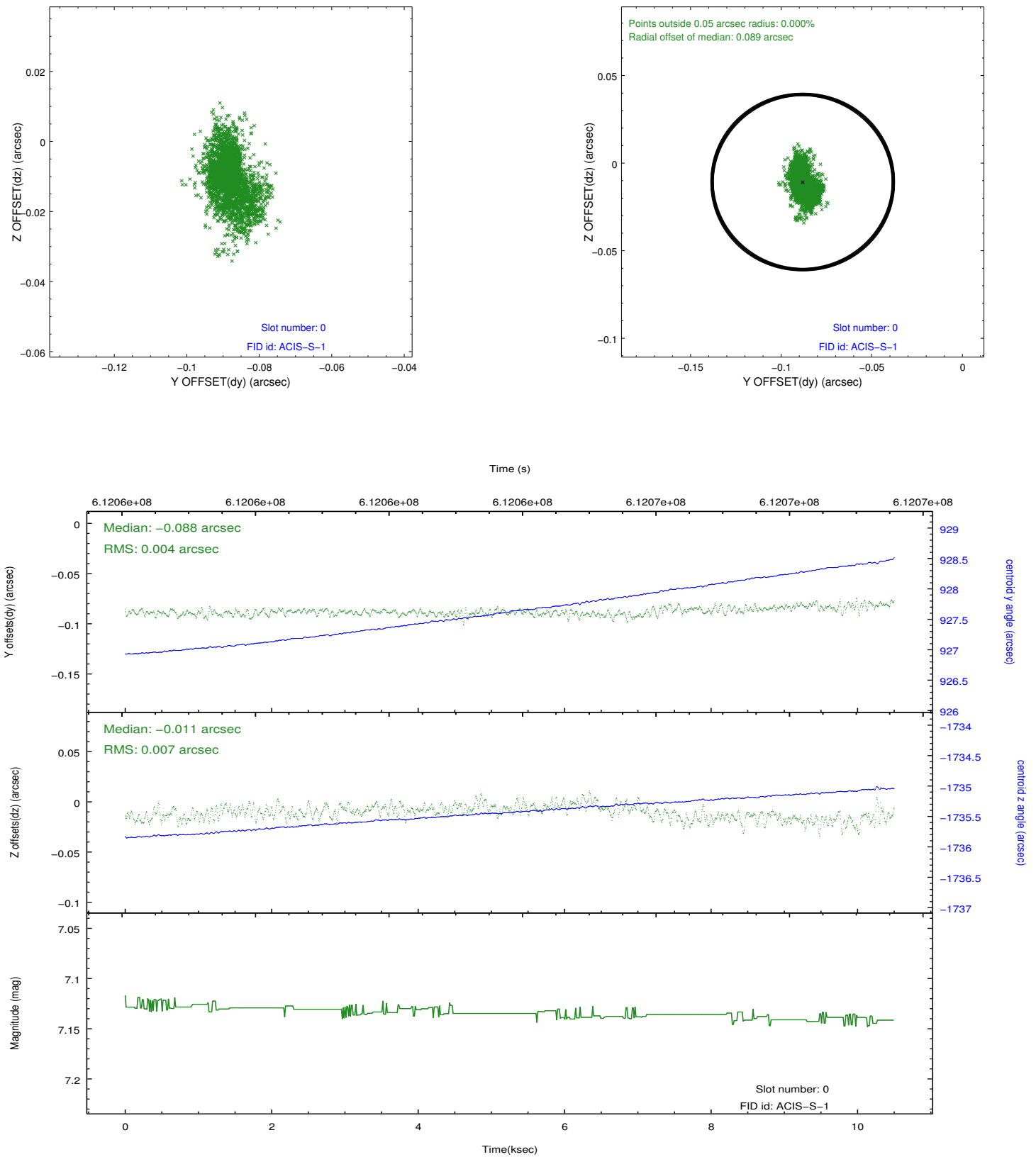


2.4.5 Slot 7

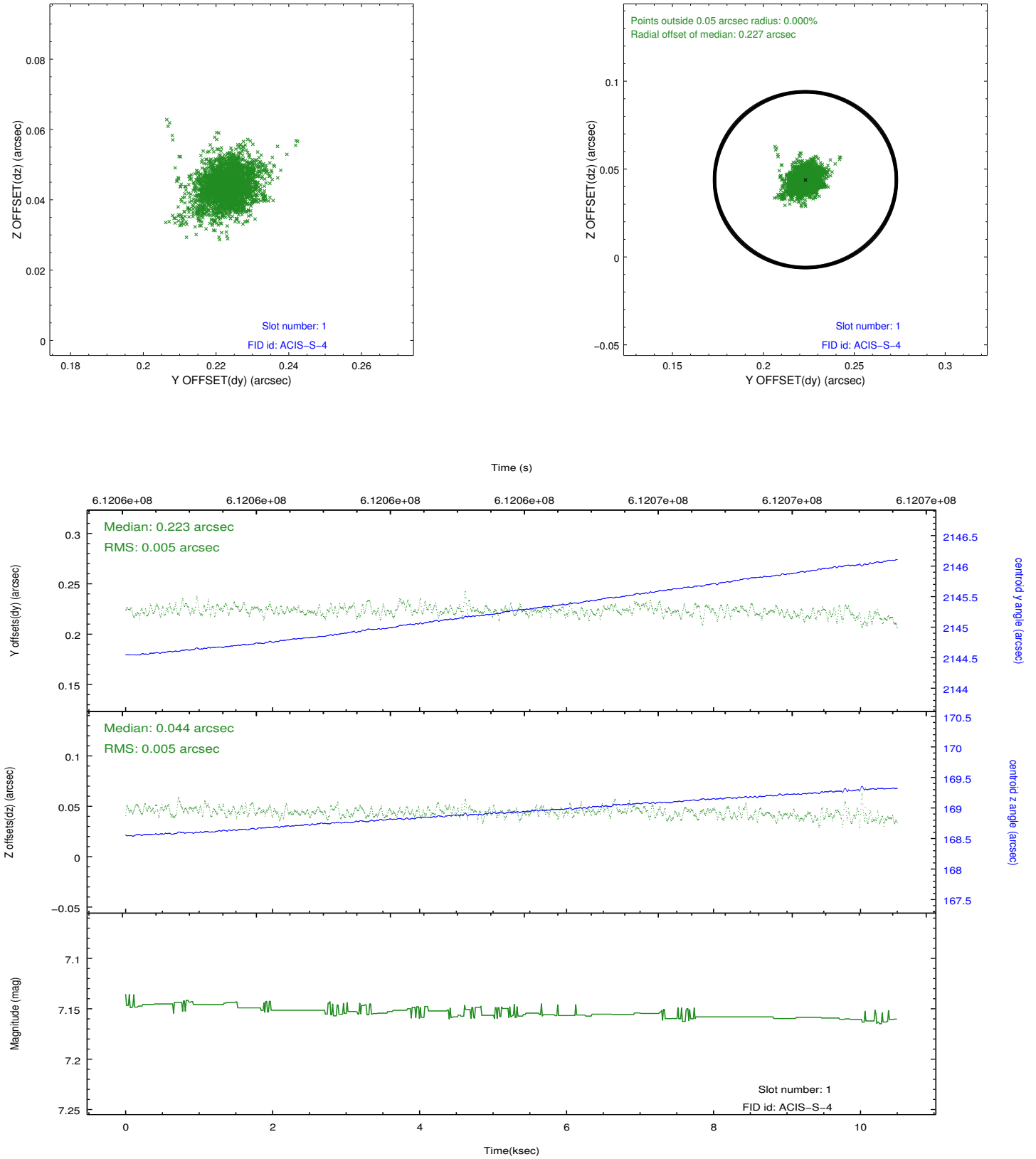


2.5 FID Slots

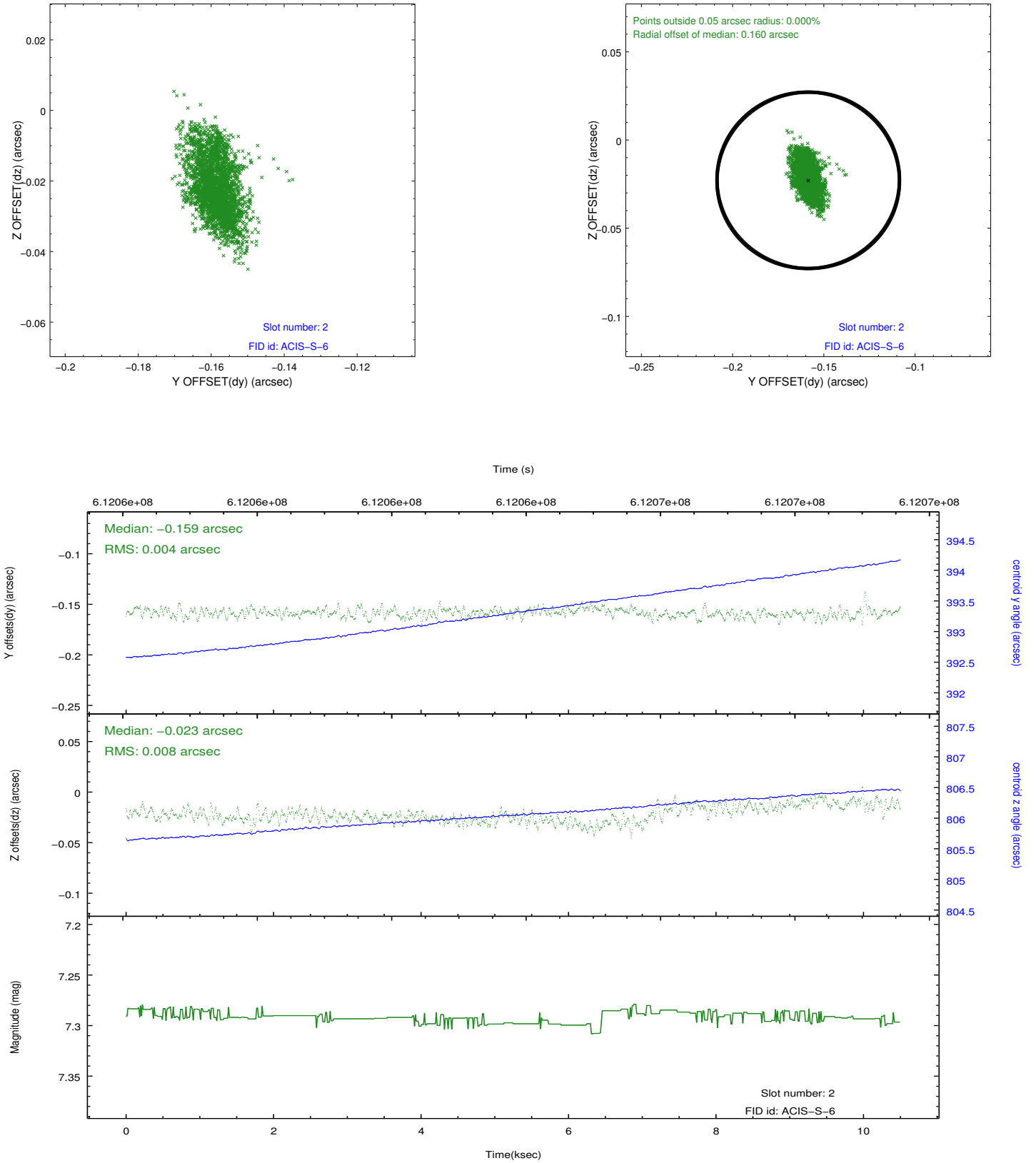
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.068799399734

A.2 Comments

Joint Proposal: NuSTAR