

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3386 - L2 Version 3
Chandra X-Ray Center

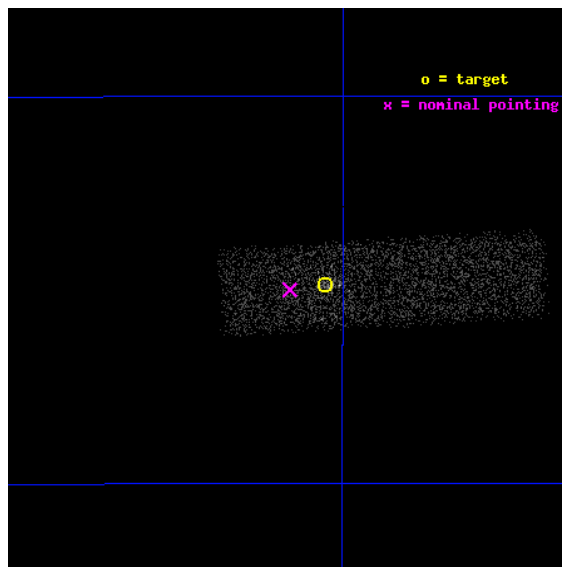
L2 Processing Date : Oct 15 2012

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1 Front

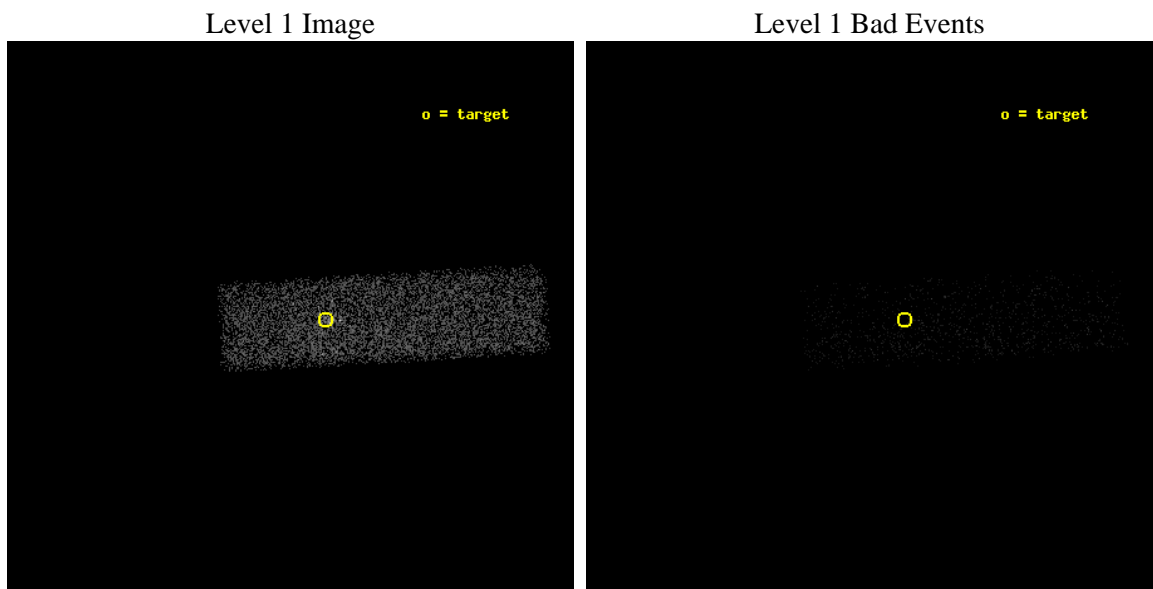
seq_num	400217	Sequence number
obs_id	3386	Observation id
title	COMPLETE COMPACT OBJECT AND BINARY SURVEY OF 47TUC	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	47 TUCANAE	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.024167	Observer's specified target RA [deg]
dec_targ	-72.080889	Observer's specified target Dec [deg]
ra_nom	6.0748035089399	Nominal RA [deg]
dec_nom	-72.083493002565	Nominal Dec [deg]
roll_nom	356.74588771886	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5829.2570042908	Sum of GTIs [s]
livetime	5544.8083366221	Livetime [s]
ontime7	5829.2570042908	Sum of GTIs [s]
l2events	7631	Number of level 2 events



2 OBI

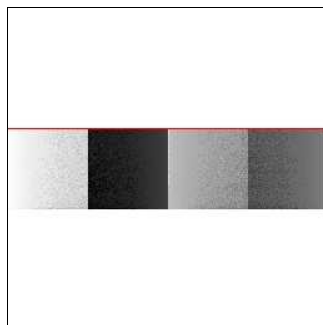
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5829.2570042908	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5829.2570042908	Sum of GTIs [s]
date	2012-10-15T12:43:47	Date and time of file creation	l1events	14560	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

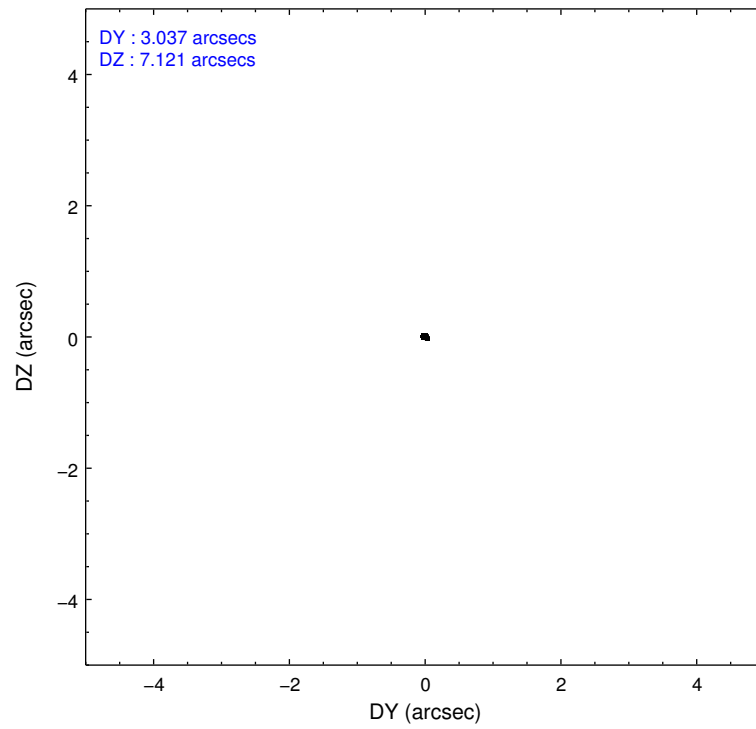
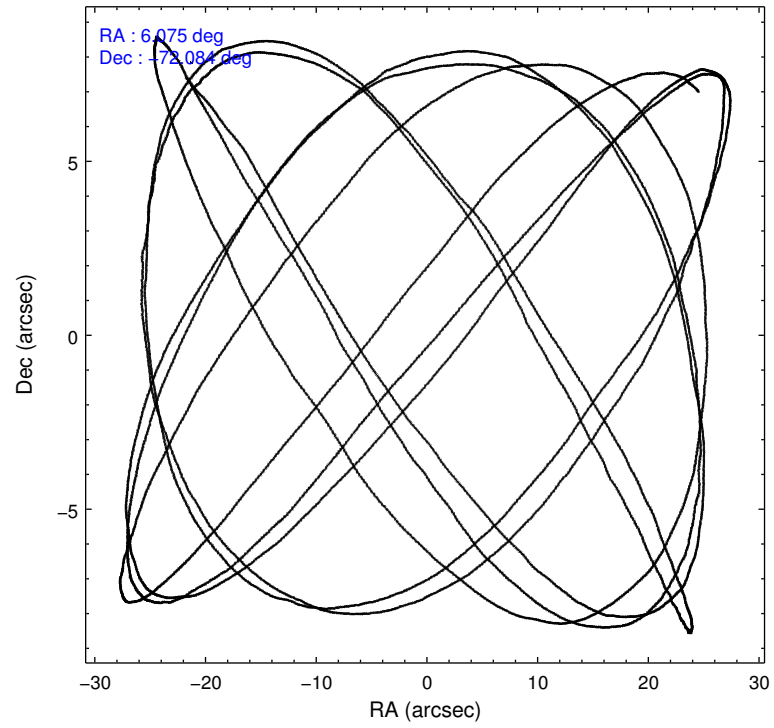
	ccd 7
level 1 events	14560
rejected events	6742
rejected %	46%

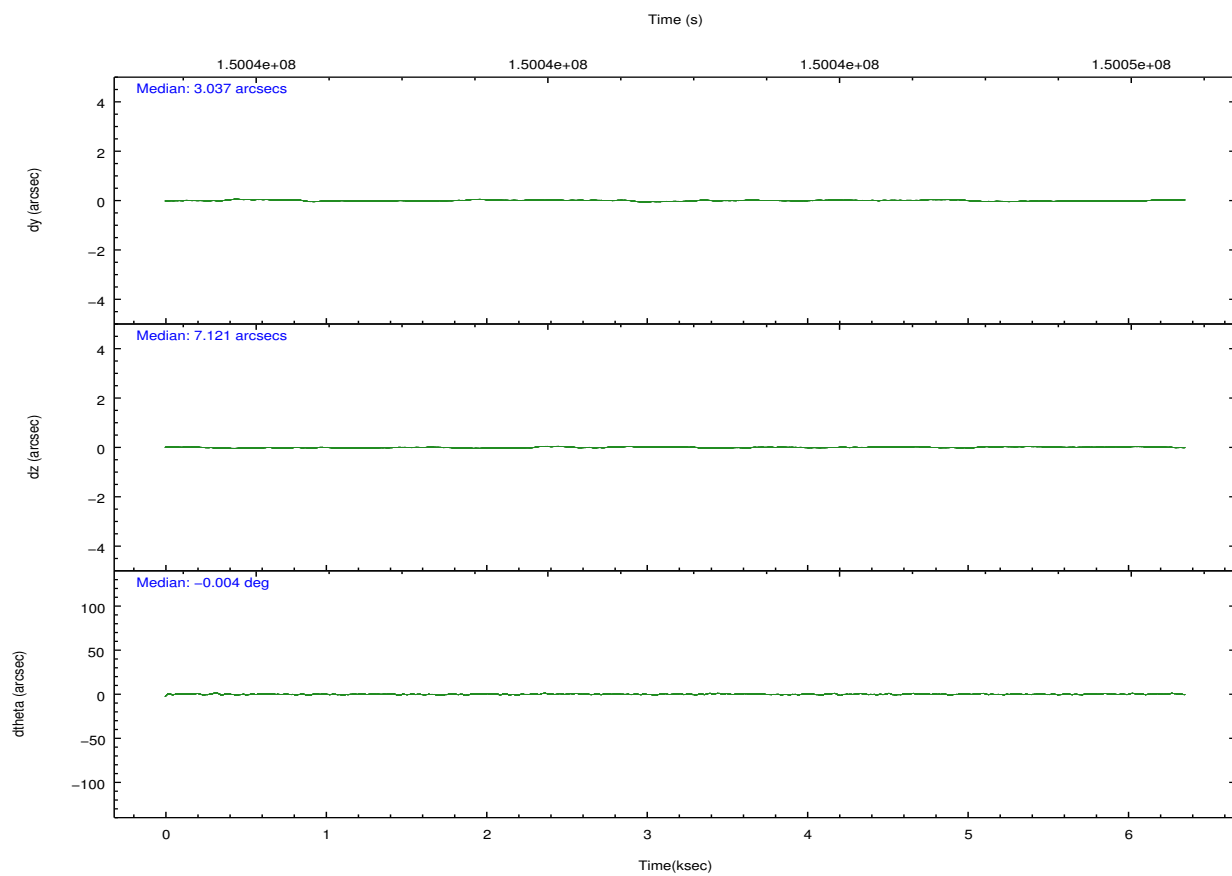
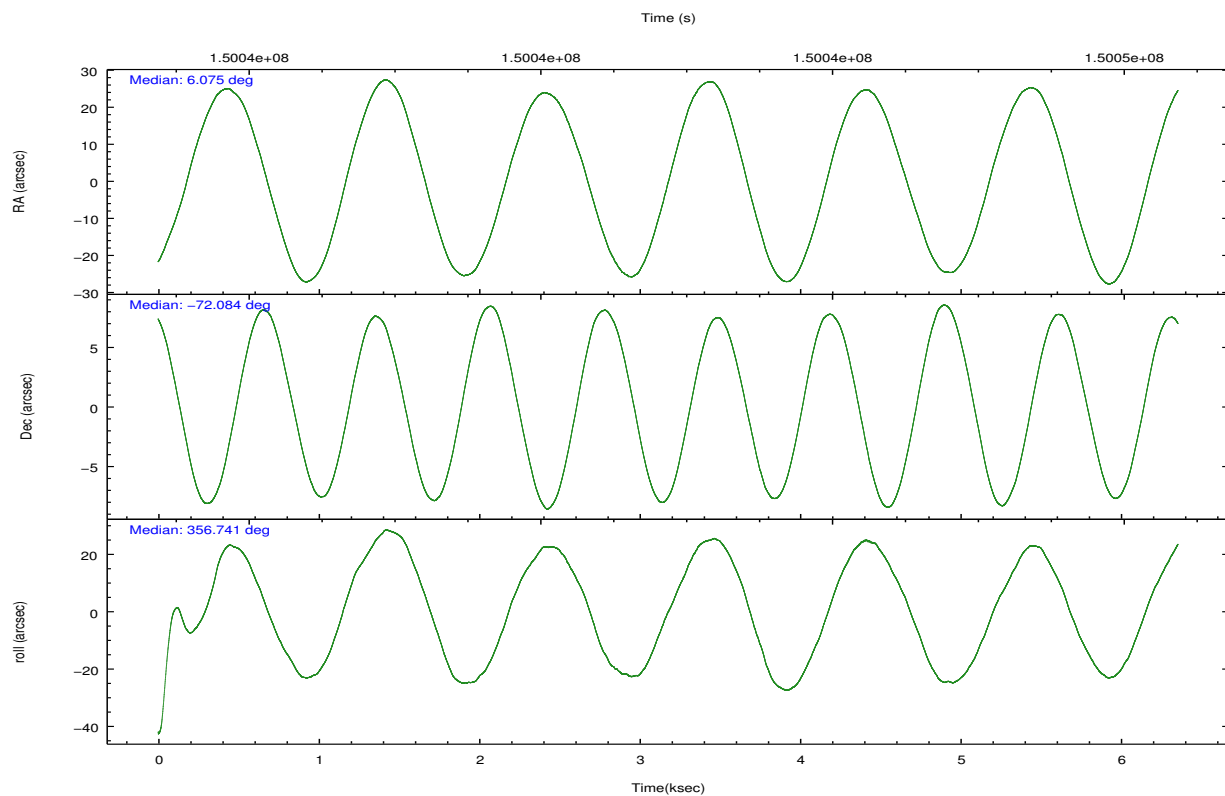
	ccd 7
grade 0 events	1398
	9%
grade 1 events	20
	0%
grade 2 events	1701
	11%
grade 3 events	842
	5%
grade 4 events	860
	5%
grade 5 events	1176
	8%
grade 6 events	3017
	20%
grade 7 events	5546
	38%

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	5.996206	6.0748035089399	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.096066	-72.08349300256457	Subarray start row	384	384
[deg] Pointing Roll	356.514472	356.7458877188553	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	150041048.184000	150039501.89569			
Observation start date	2002-10-03T14:03:04	2002-10-03T13:38:21			
[s] Observation end time (MET)	150046048.184000	150047192.47101			
Observation end date	2002-10-03T15:26:24	2002-10-03T15:46:32			
Read mode	TIMED	TIMED			

2.3 Aspect



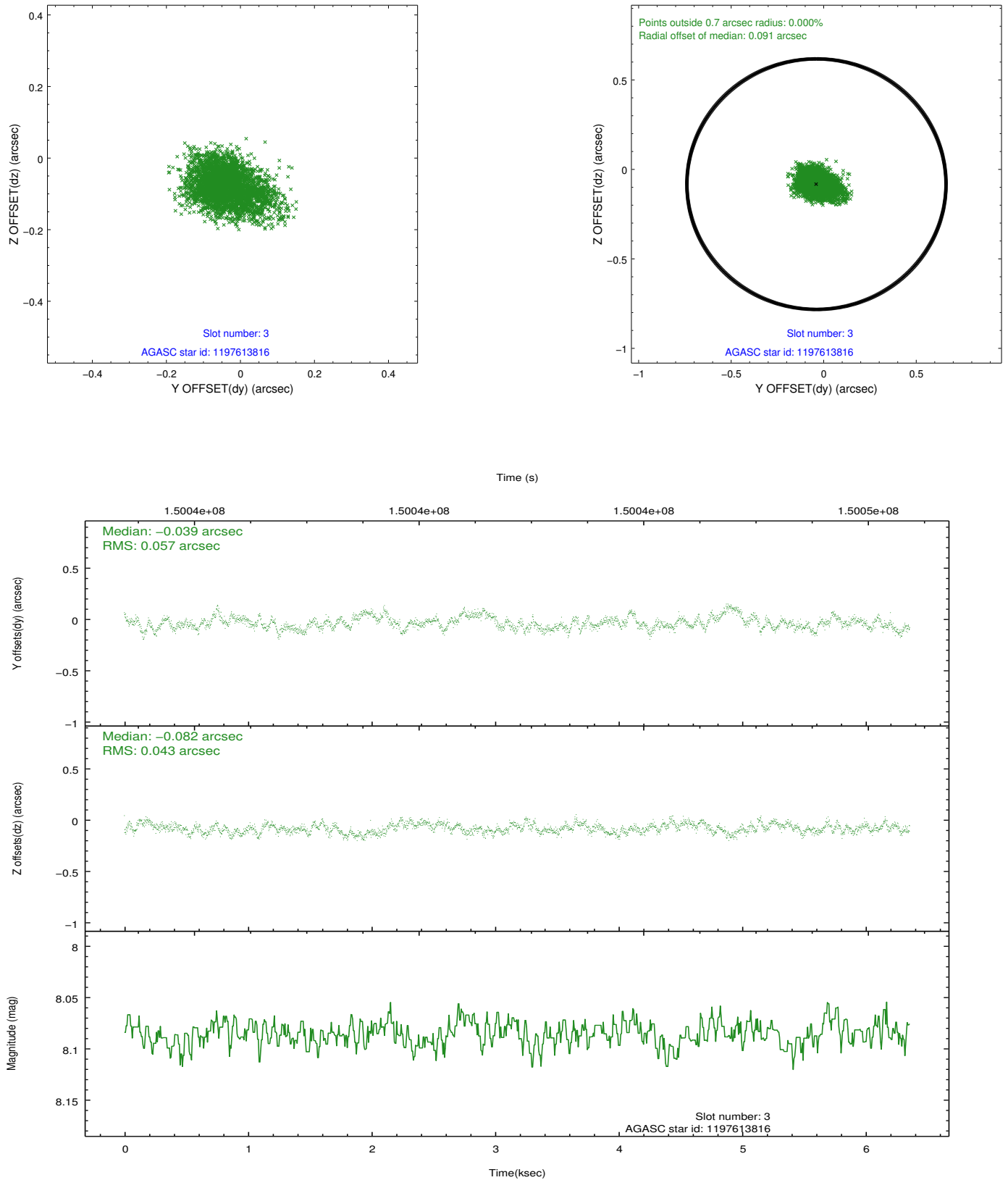


Slot Statistics

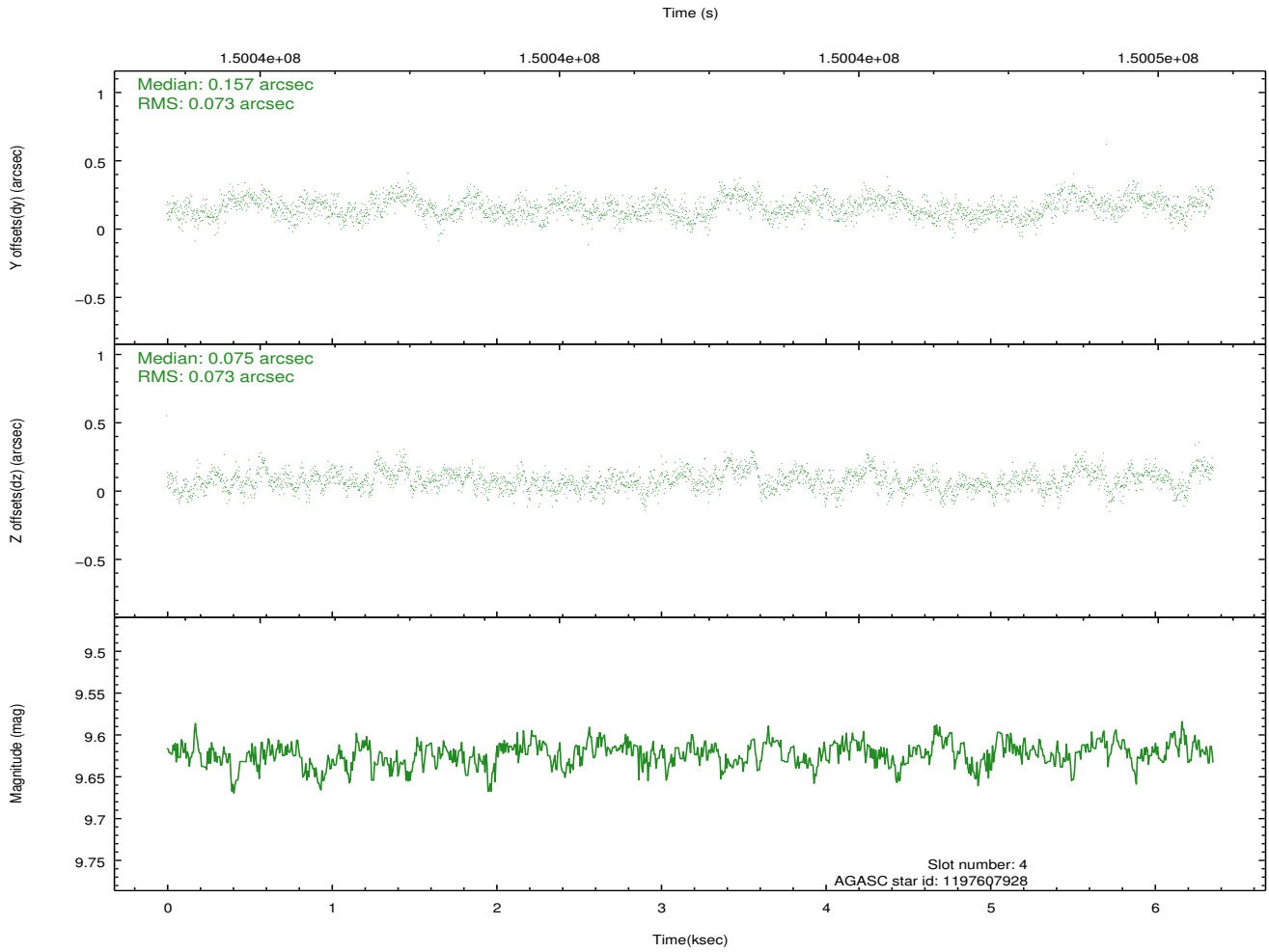
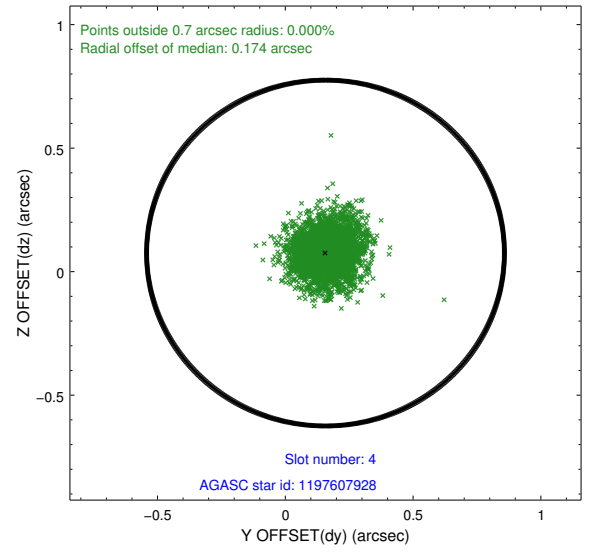
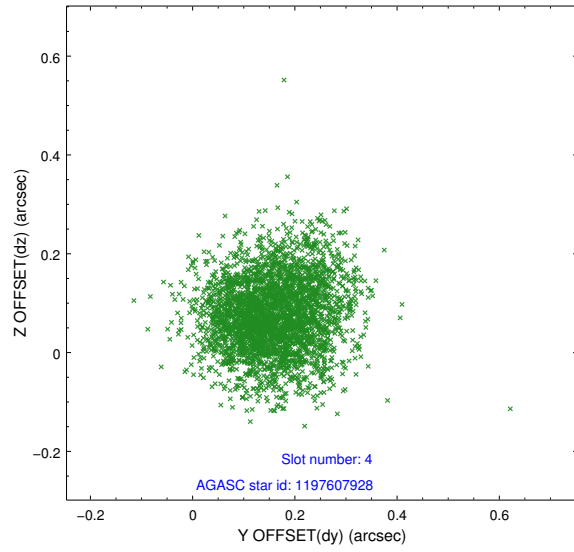
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1551	-0.014	-0.007	0.005	0.010	0.000000	0.000000	-755.69	-1728.25
1	FID	ACIS-S-4	7.20	1551	0.006	0.002	0.006	0.009	0.000000	0.000000	2157.19	179.30
2	FID	ACIS-S-6	7.35	1551	-0.020	0.013	0.007	0.011	0.000000	0.000000	407.47	817.75
3	GUIDE	1197613816	8.09	3102	-0.039	-0.082	0.075	0.125	5.181461	-71.977993	-930.87	363.14
4	GUIDE	1197607928	9.62	3101	0.157	0.075	0.110	0.178	7.837743	-72.165759	2043.67	-157.36
5	GUIDE	1197619752	10.02	3064	-0.025	-0.048	0.122	0.196	4.510721	-71.856694	-1712.12	738.44
6	GUIDE	1197615656	8.66	3101	0.043	-0.013	0.068	0.111	6.909375	-71.882658	973.84	821.81
7	GUIDE	1197998392	9.77	3087	-0.148	0.066	0.154	0.240	6.367452	-72.761261	541.63	-2366.76

2.4 Star Slots

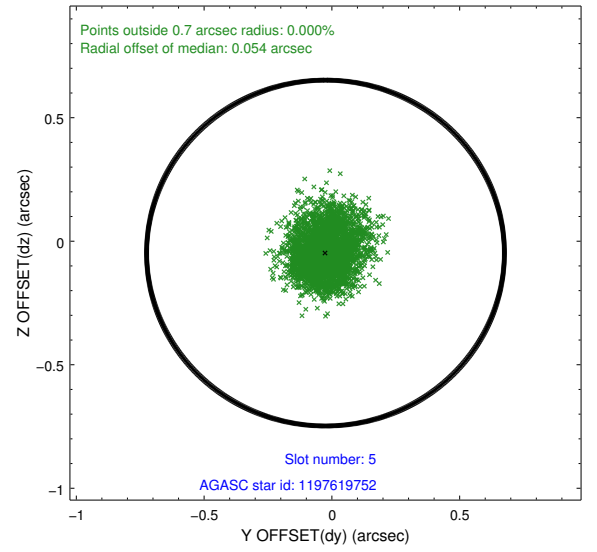
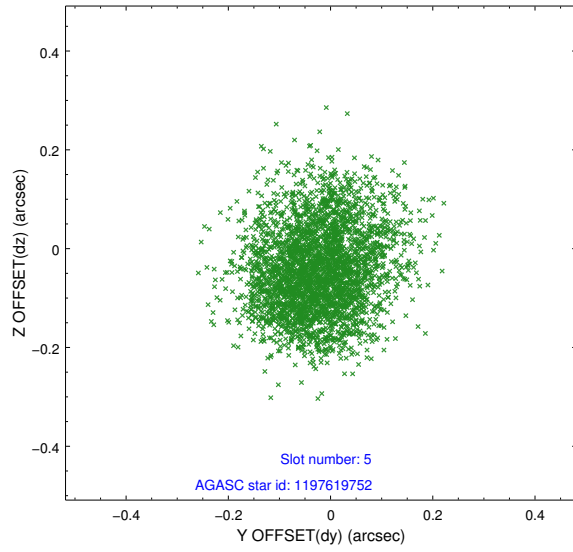
2.4.1 Slot 3



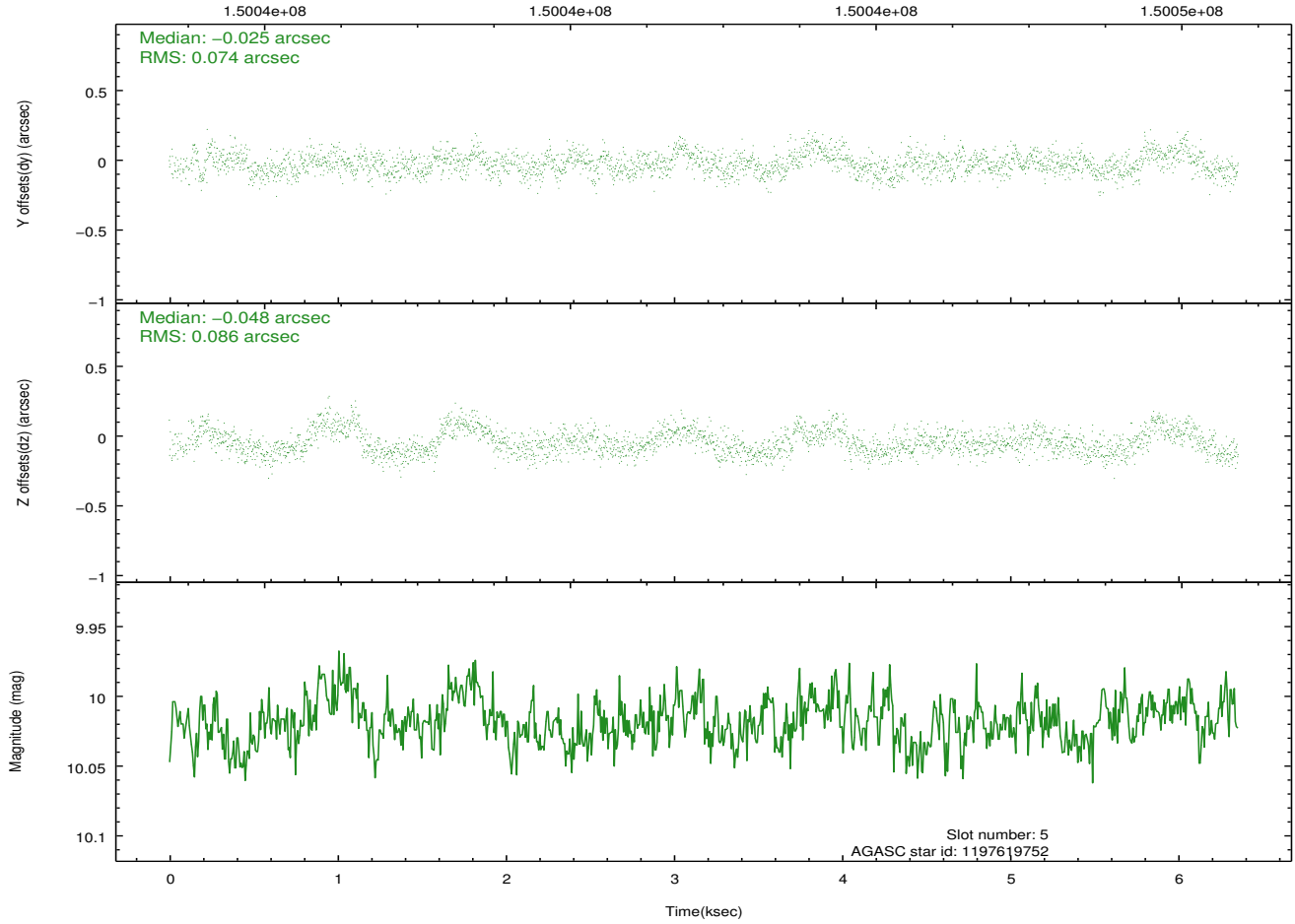
2.4.2 Slot 4



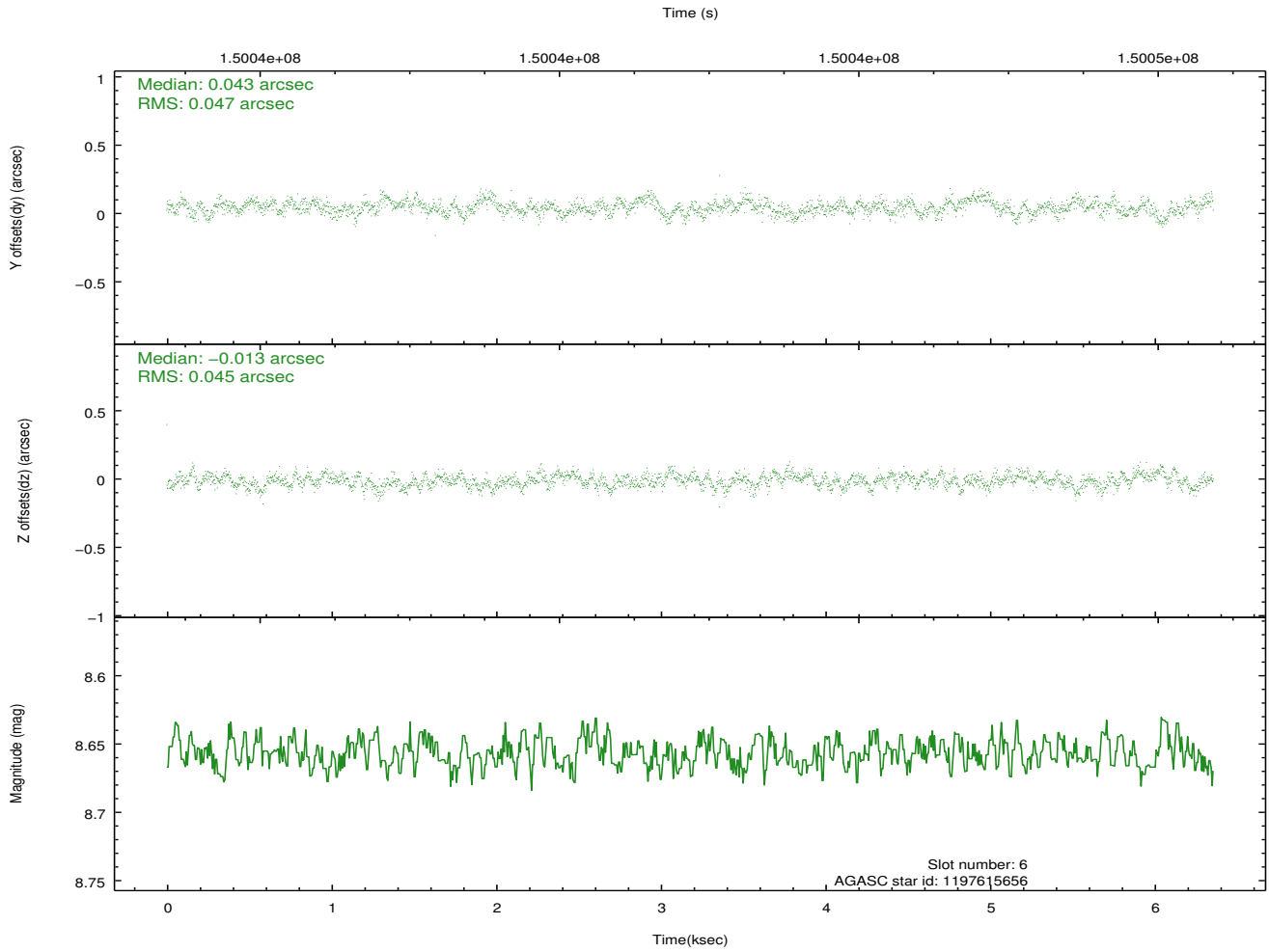
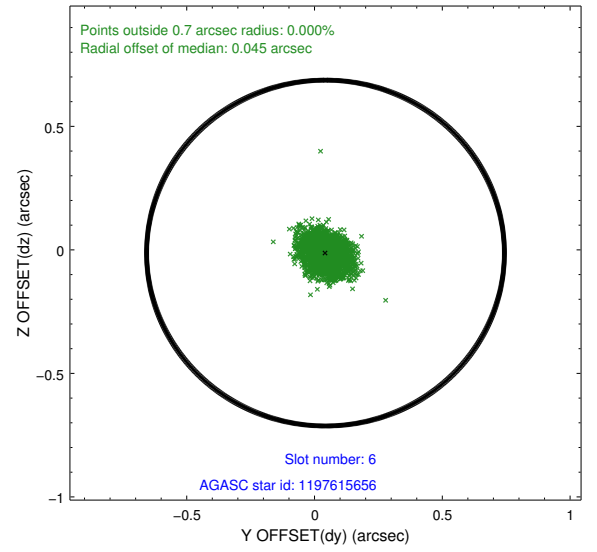
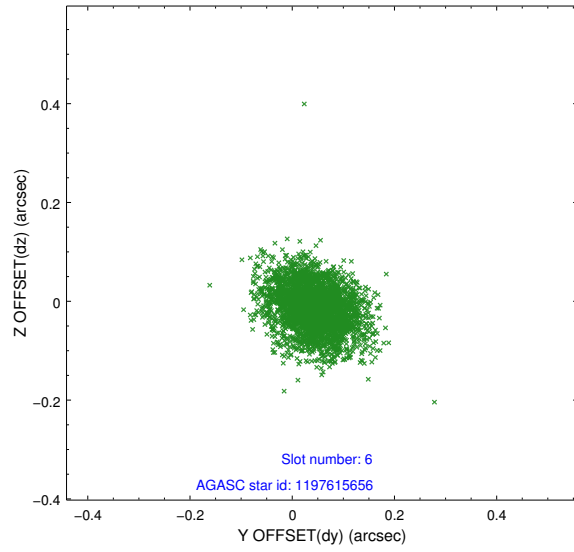
2.4.3 Slot 5



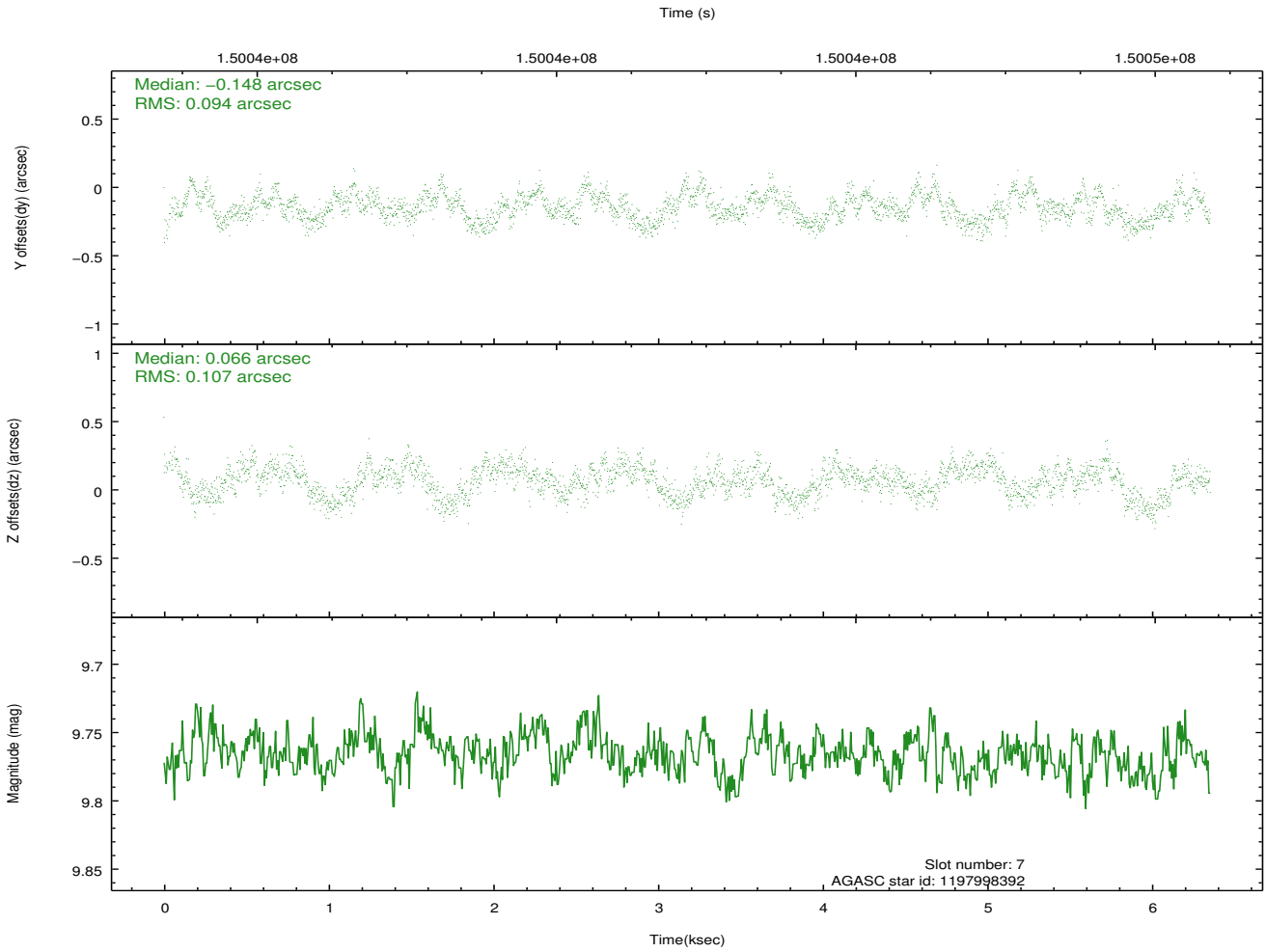
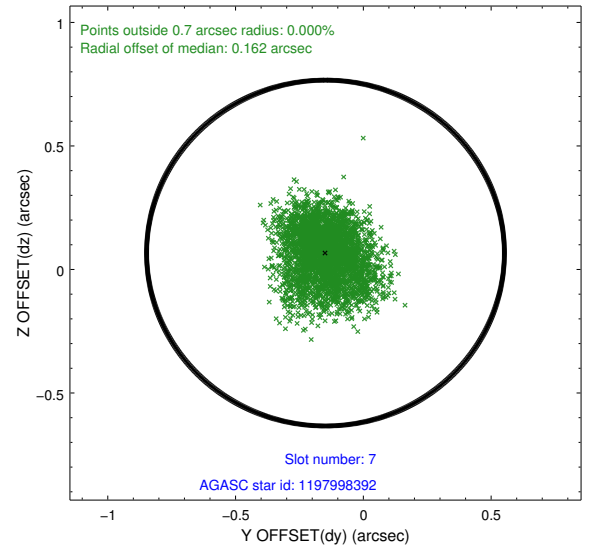
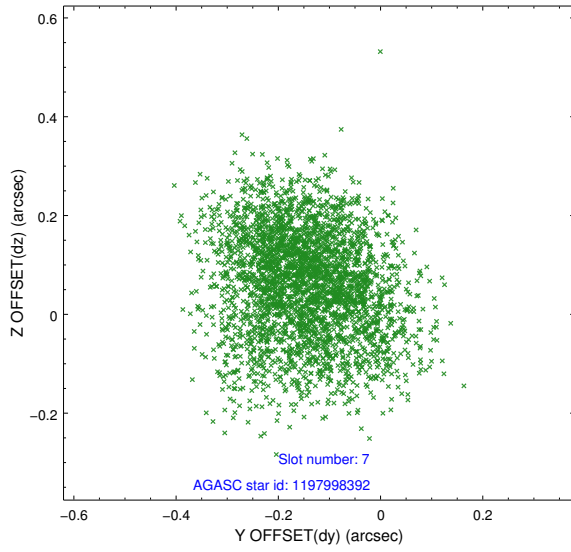
Time (s)



2.4.4 Slot 6

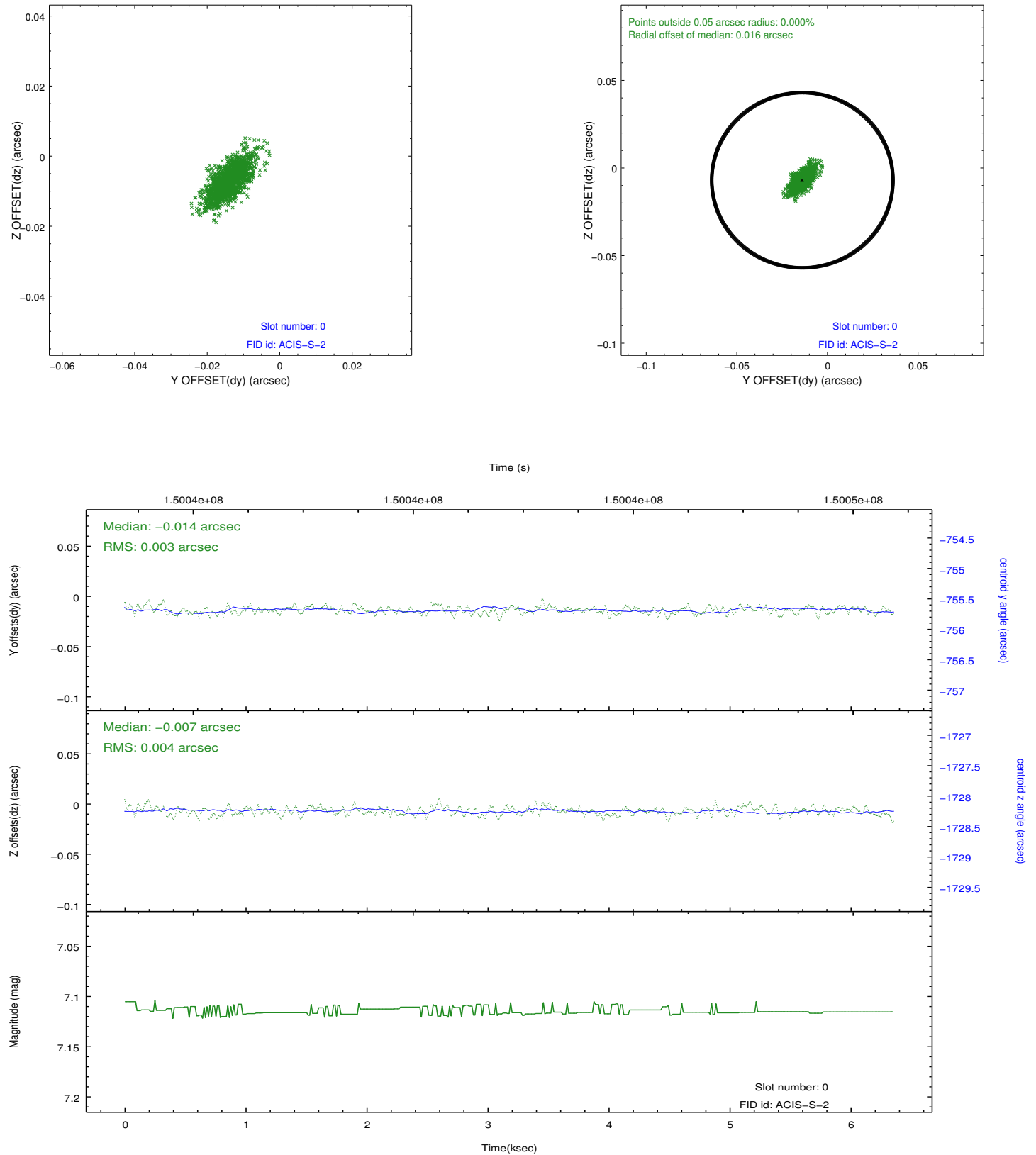


2.4.5 Slot 7

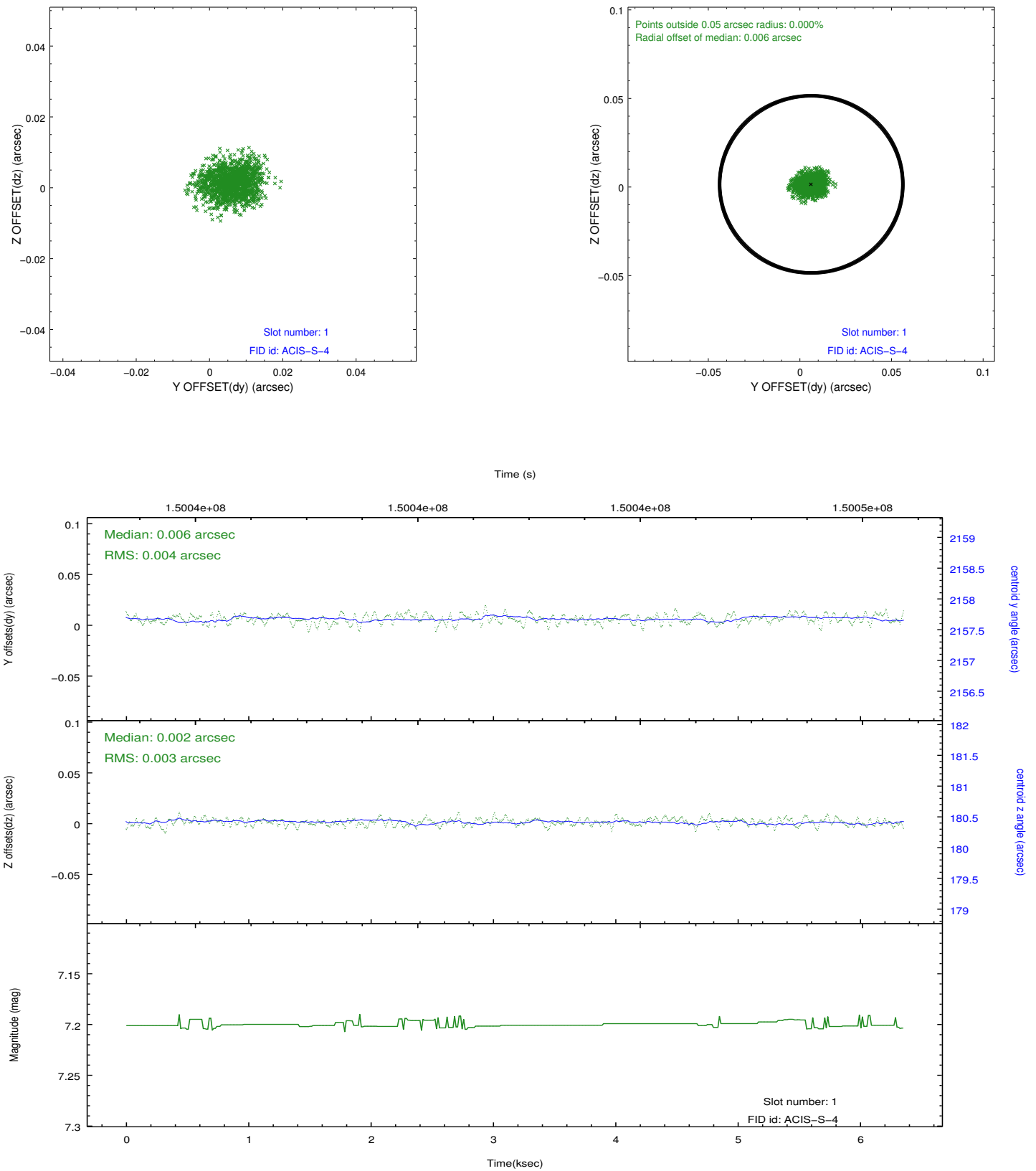


2.5 FID Slots

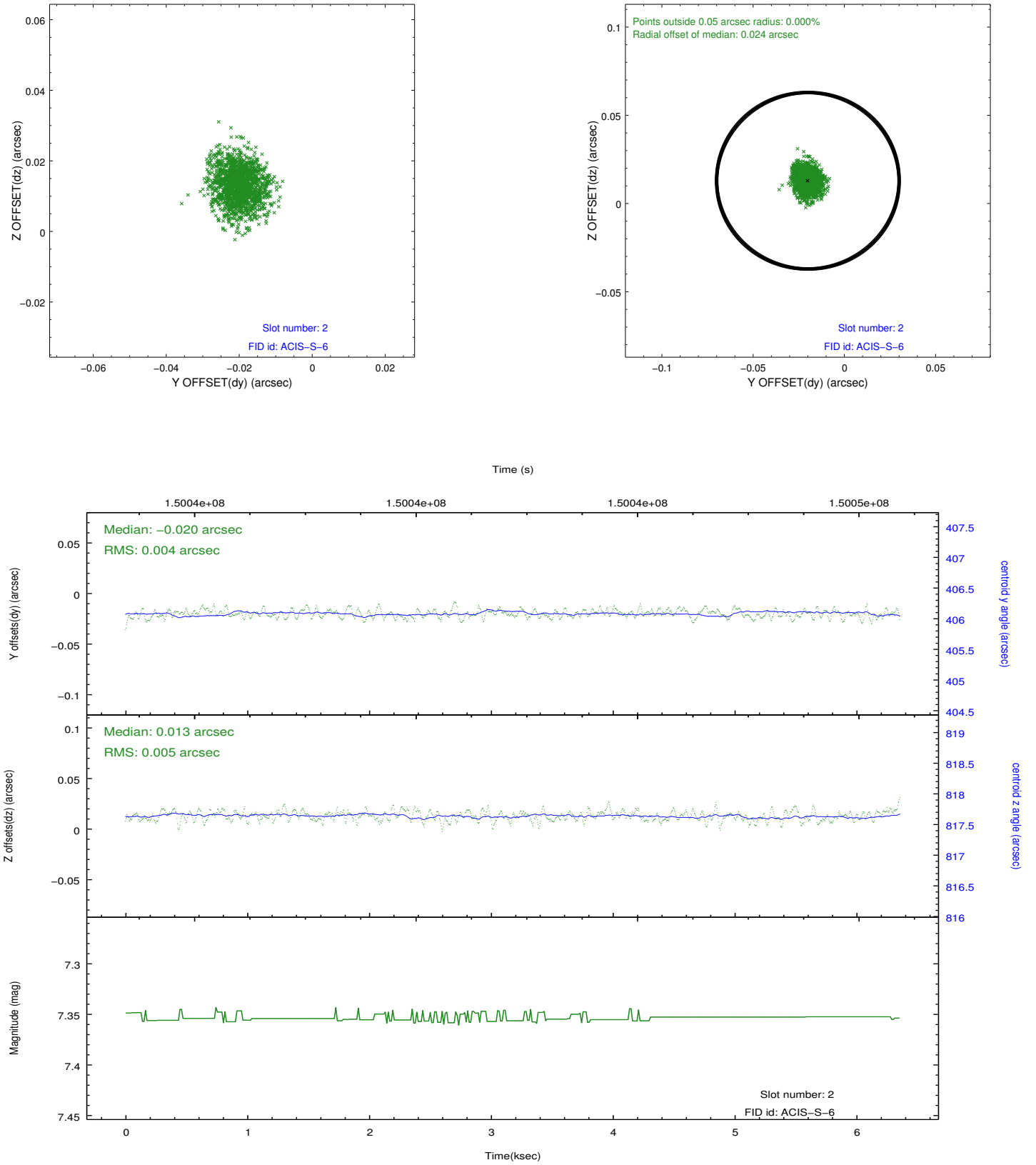
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.829

A.2 Comments

Joint proposal with HST.