EVN Amplitude Calibration

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Joint Institute for VLBI ERIC

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NETWORK

Session 3 2015 Oct

- The following table gives the **median absolute error** in the antenna gain amplitude. This number will be approximately half the error in the SEFD and is the same that you see in AIPS gain plots. The number in brackets after each entry is the number of experiments that were used.

	21cm	18cm	6cm	5cm	3.6cm
AR					
BD	0.13 (2)	0.05 (8)	0.17 (3)		0.35 (2)
EF	0.18 (4)	0.03 (10)	0.05 (15)	0.03 (8)	0.08 (2)
HH		0.04 (9)	0.25 (5)		
IR				0.73 (1)	
JB	0.39 (4)	0.15 (7)	0.25 (16)	0.21 (7)	
MC	0.25 (2)	0.13 (9)	0.07 (17)	0.13 (8)	0.08 (2)
NT			0.11 (16)	0.21 (6)	
ON	0.23 (4)	0.05 (9)	0.10 (17)	0.09 (8)	
RO		0.09 (1)			0.10 (2)
SH		0.76 (8)	0.09 (14)		0.15 (2)
SR				0.01 (8)	
SV	0.09 (2)	0.04 (8)	0.11 (6)		0.18 (2)
TR	0.24 (2)	0.18 (10)	0.05 (16)	0.13 (8)	
T6	0.40 (2)	0.25 (6)			
UR			0.06 (13)		
WB	0.15 (4)	0.05 (10)	0.08 (16)		0.13 (2)
YS			0.05 (17)	0.05 (8)	0.07 (2)
ZC	0.07 (2)	0.04 (9)	0.12 (5)		0.17 (2)

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Experiment	Source	Median Error
eh028d	F0102+5824	0.896
eh032a	3C345	0.813
eh032a	J1450+0910	0.843
eh032a	OQ208	0.768
ey023	J021612-0105.MULTI	0.754
n15l3	J1751+0939	0.580
rsf08	J2148+0657	0.034
rsf08	J2217+0220	0.100

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- The following table gives the **median absolute error** in the antenna gain amplitude. This number will be approximately half the error in the SEFD and is the same that you see in AIPS gain plots. The number in brackets after each entry is the number of experiments that were used.

	18cm	6cm	5cm
AR			
BD	0.21 (5)	0.14 (7)	
EF	0.05 (11)	0.07 (6)	0.07 (14)
HH	0.05 (4)		0.08 (9)
IR	2.01 (2)	0.12 (4)	
JB	0.42 (11)	1.04 (6)	0.21 (14)
MC	0.11 (11)	0.05 (7)	0.12 (14)
NT		0.09 (7)	0.22 (14)
ON	0.12 (11)	0.05 (7)	0.12 (14)
RO	0.08 (2)		
SH			
SR	0.22 (7)		0.08 (14)
SV	0.09 (9)	0.04 (7)	
T6	0.19 (4)	0.05 (4)	
TR	0.25 (11)	0.09 (7)	0.11 (11)
UR	0.15 (10)	0.07 (7)	
WB	0.09 (11)	0.05 (7)	0.11 (14)
YS		0.04 (7)	0.08 (11)
ZC	0.07 (11)	0.21 (5)	

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21cm_amplitude_EF
21cm_amplitude_JB
21cm_amplitude_MC
21cm_amplitude_OM
21cm_amplitude_TR
21cm_amplitude_WB
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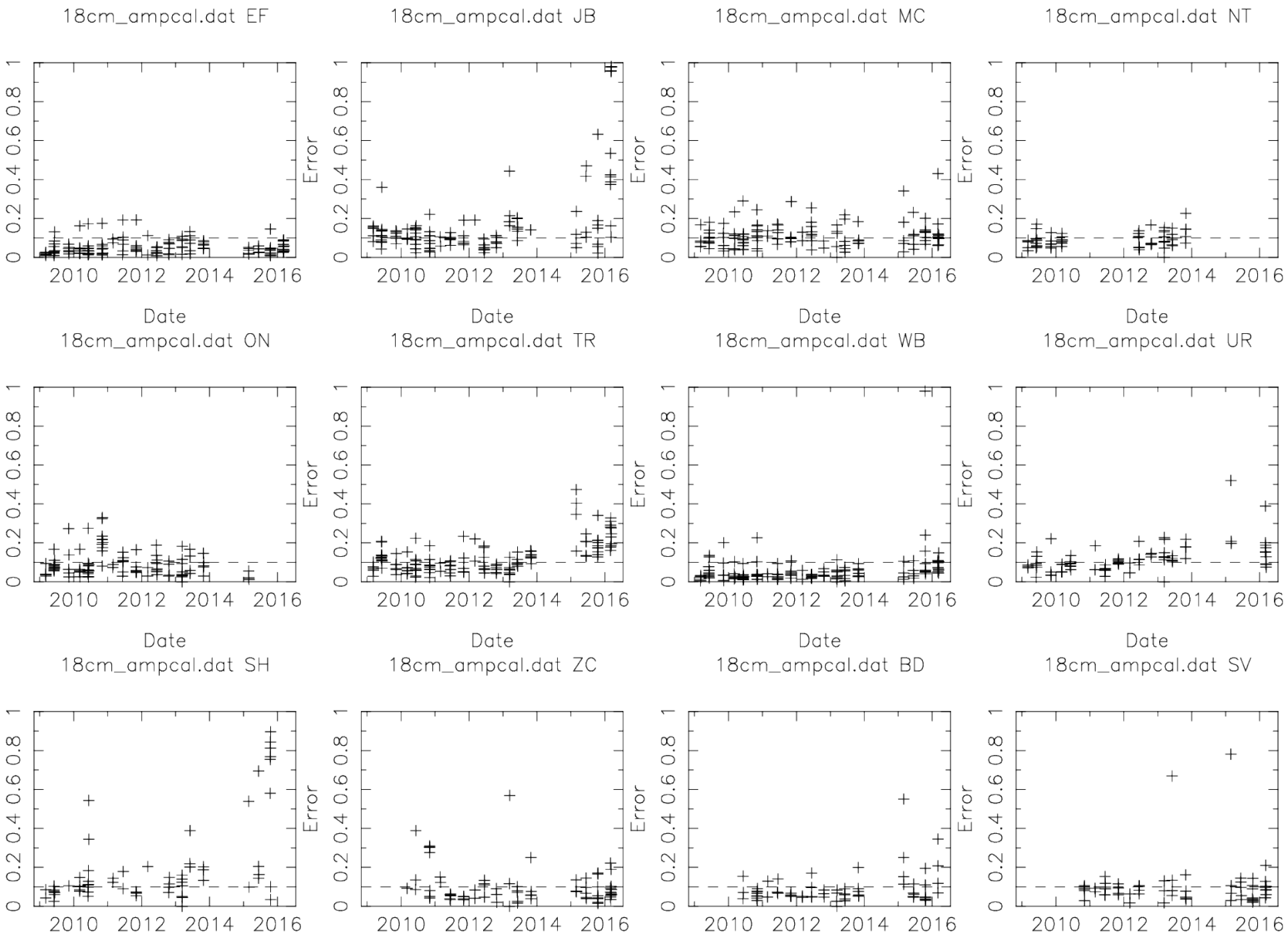
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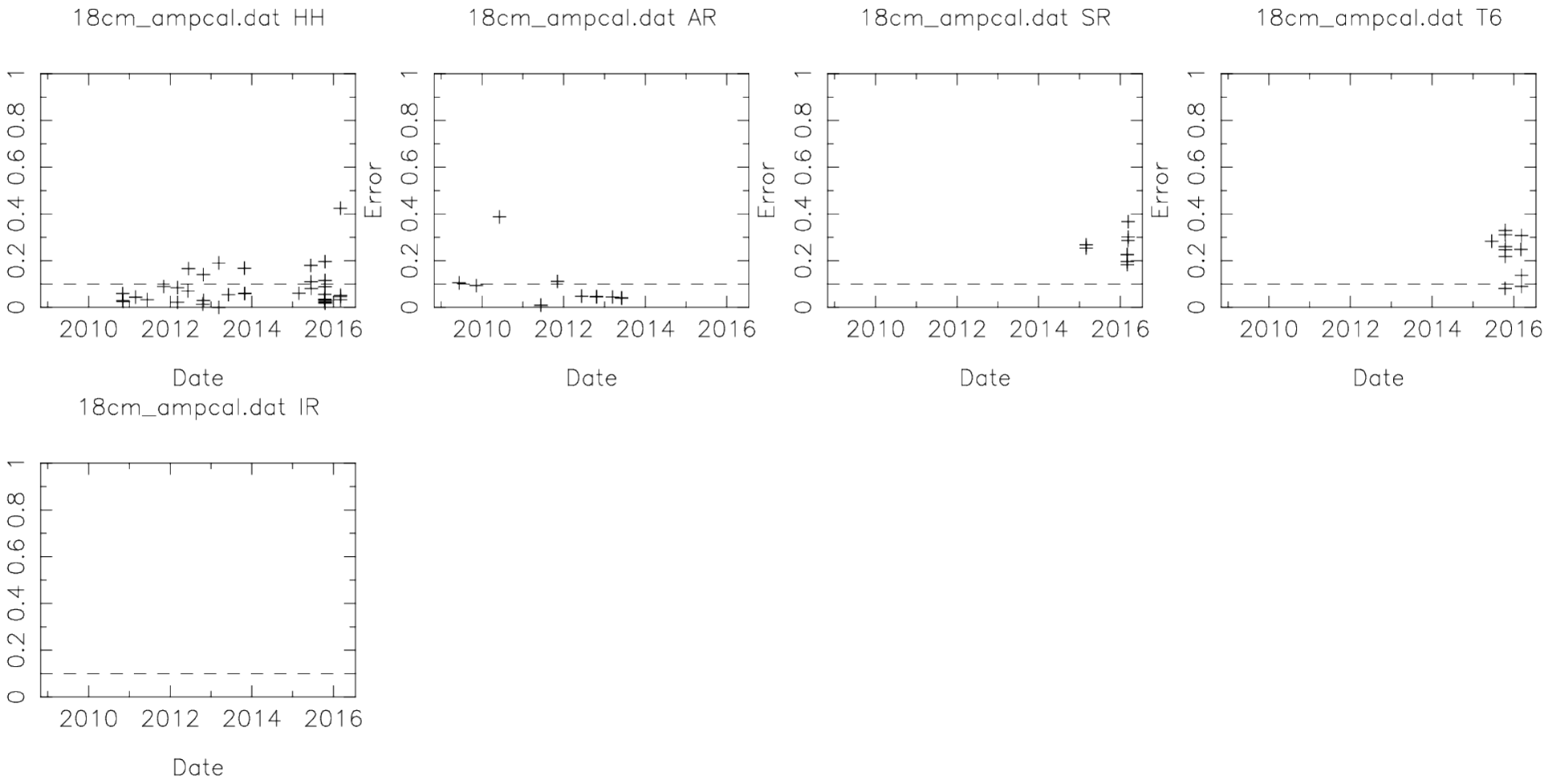
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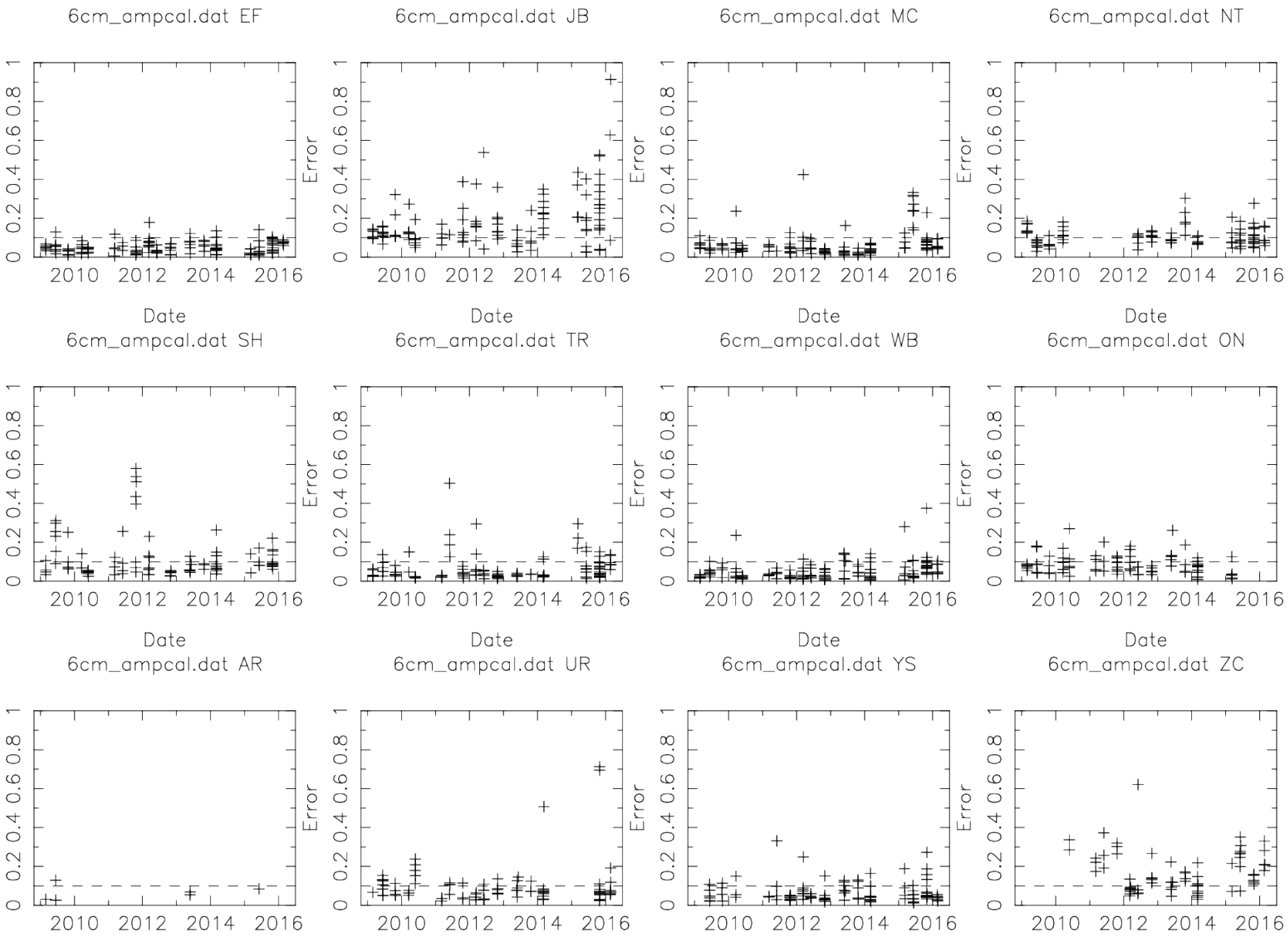
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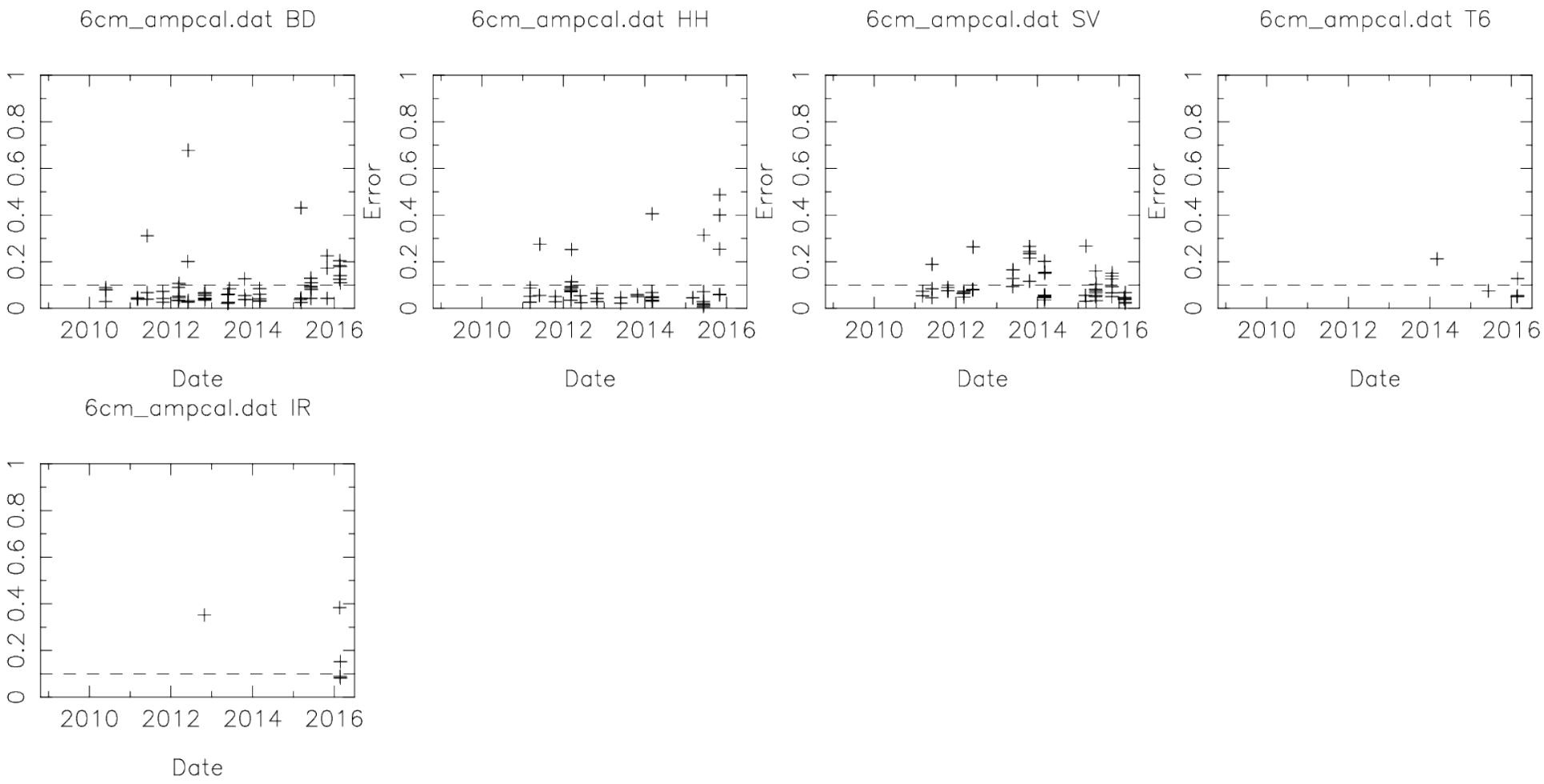
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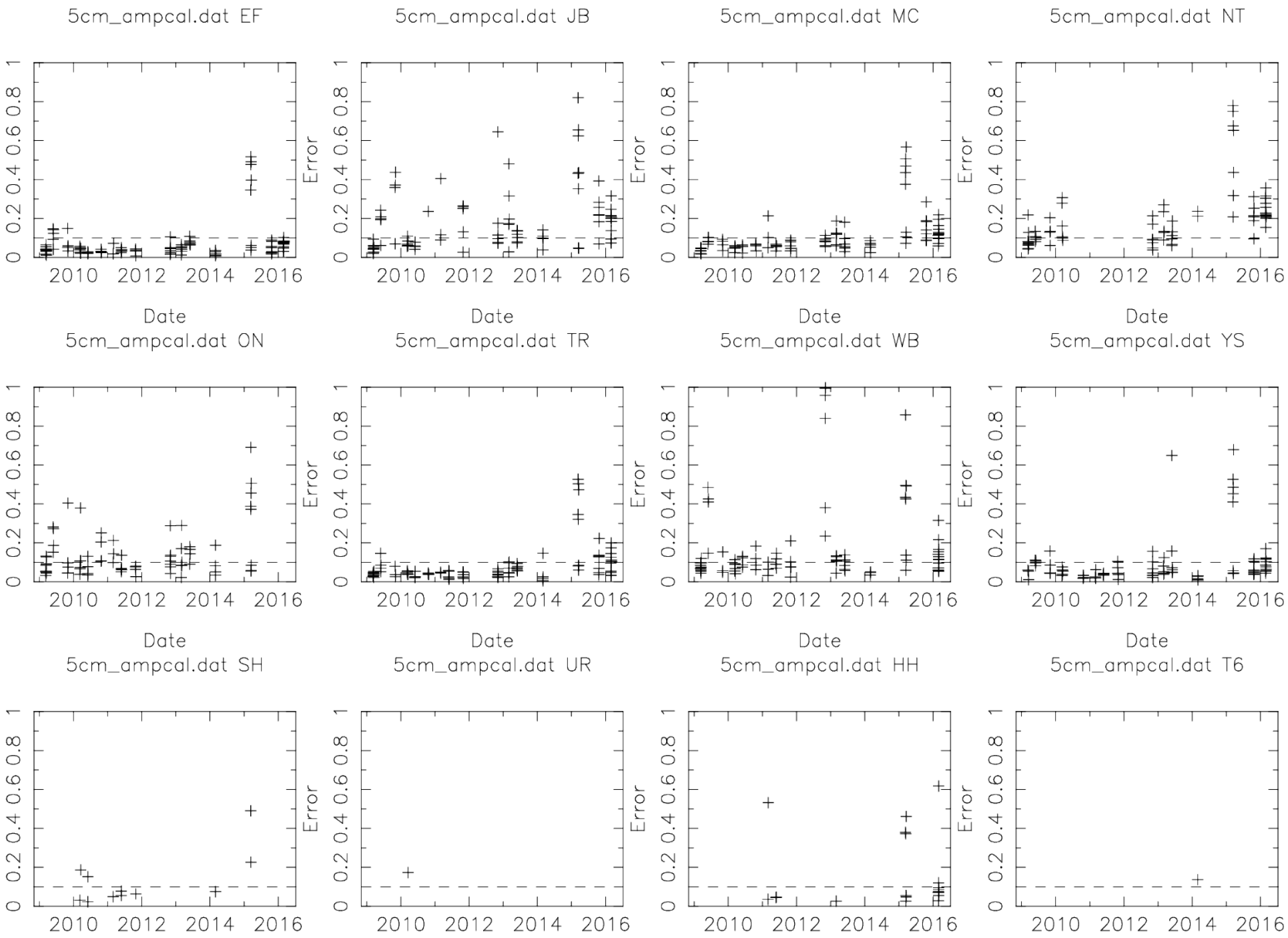
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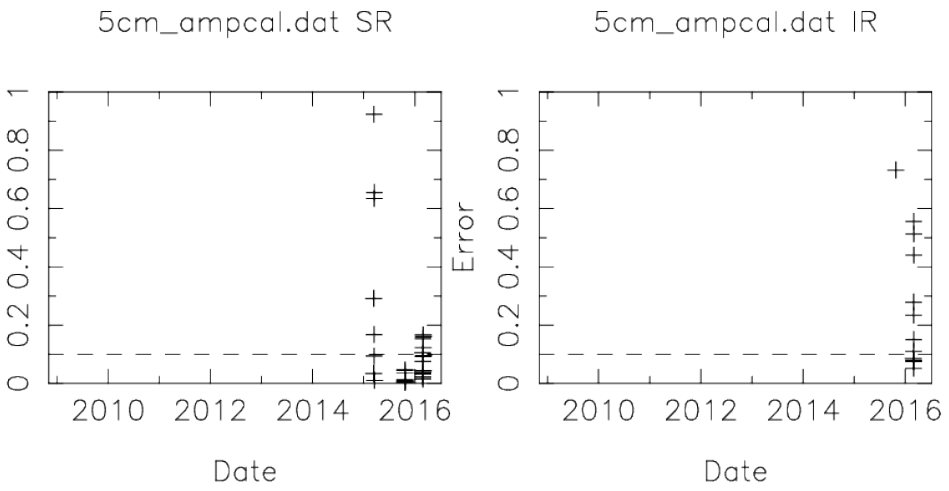
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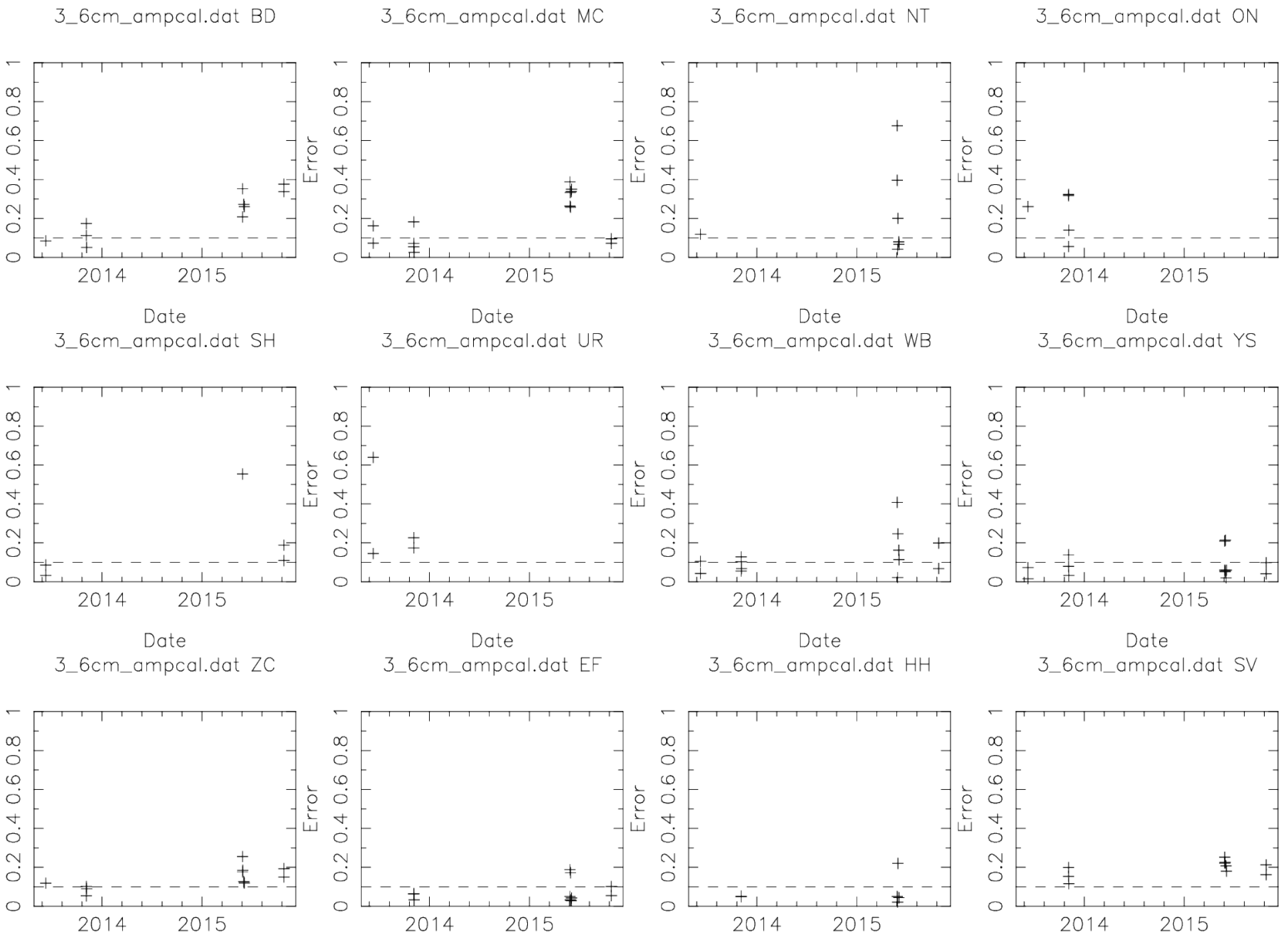
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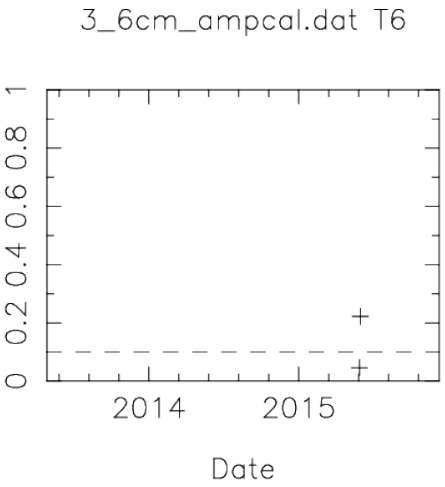
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2015
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Antabfs and feedback name and shame

- **JB**
- UR
- SH
- YS