



Analysis Options Week 1400

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Changed Analysis Options since Week 1400

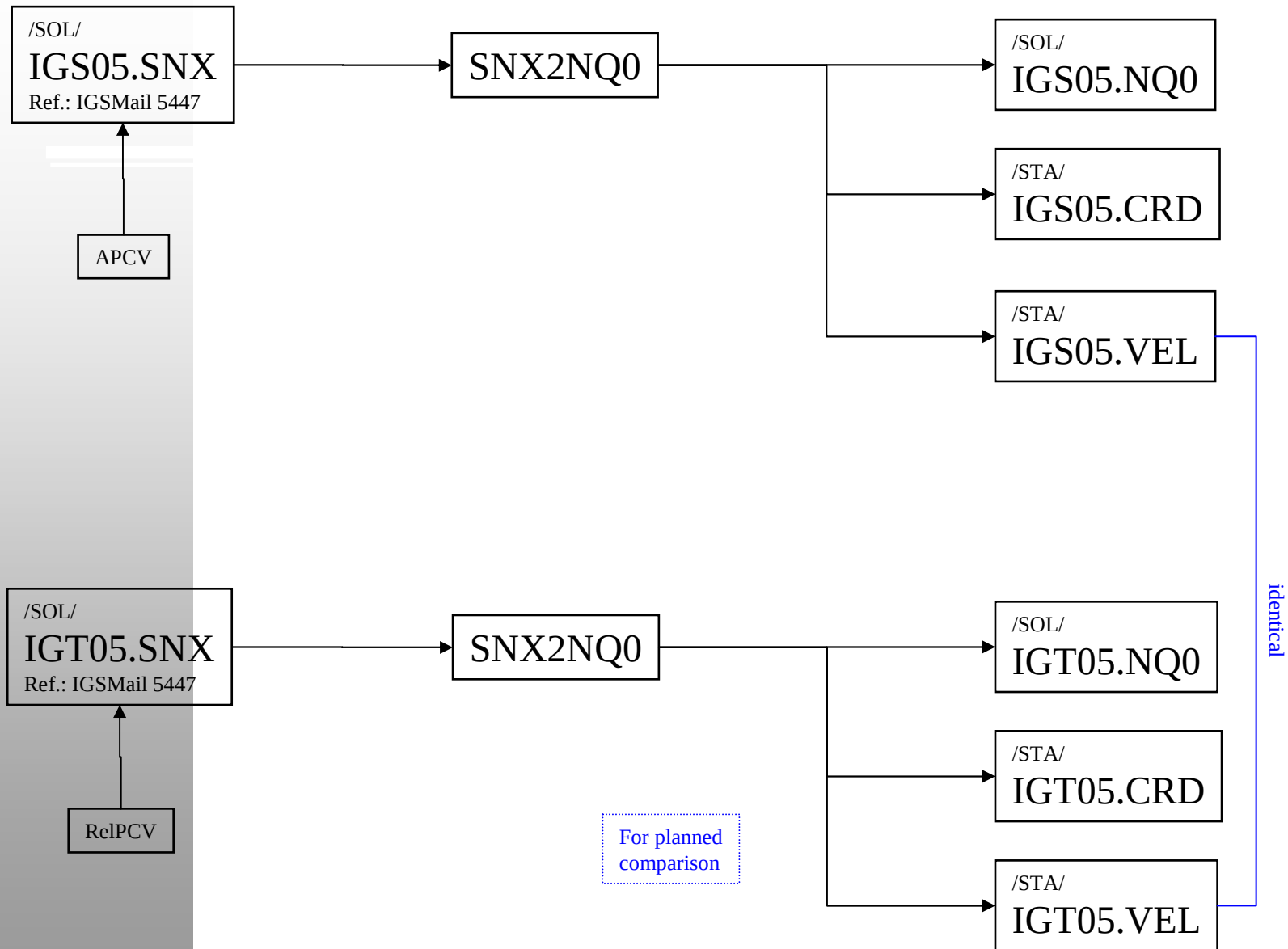
- Receiver/satellite antennae:
 - Use of APCV
 - Consideration of radome codes
- Reference Frame:
 - IGS05 for all analysis steps
 - Alignment to ITRF2005 and subsequent transformation to ETRF2005
- Ocean tidal loading (OTL) model update to FES2004
- Estimation of horizontal troposphere gradient parameters
- Use of low-elevation data (down to 3 degrees) is permitted.
- Inclusion of GLONASS observations is permitted.

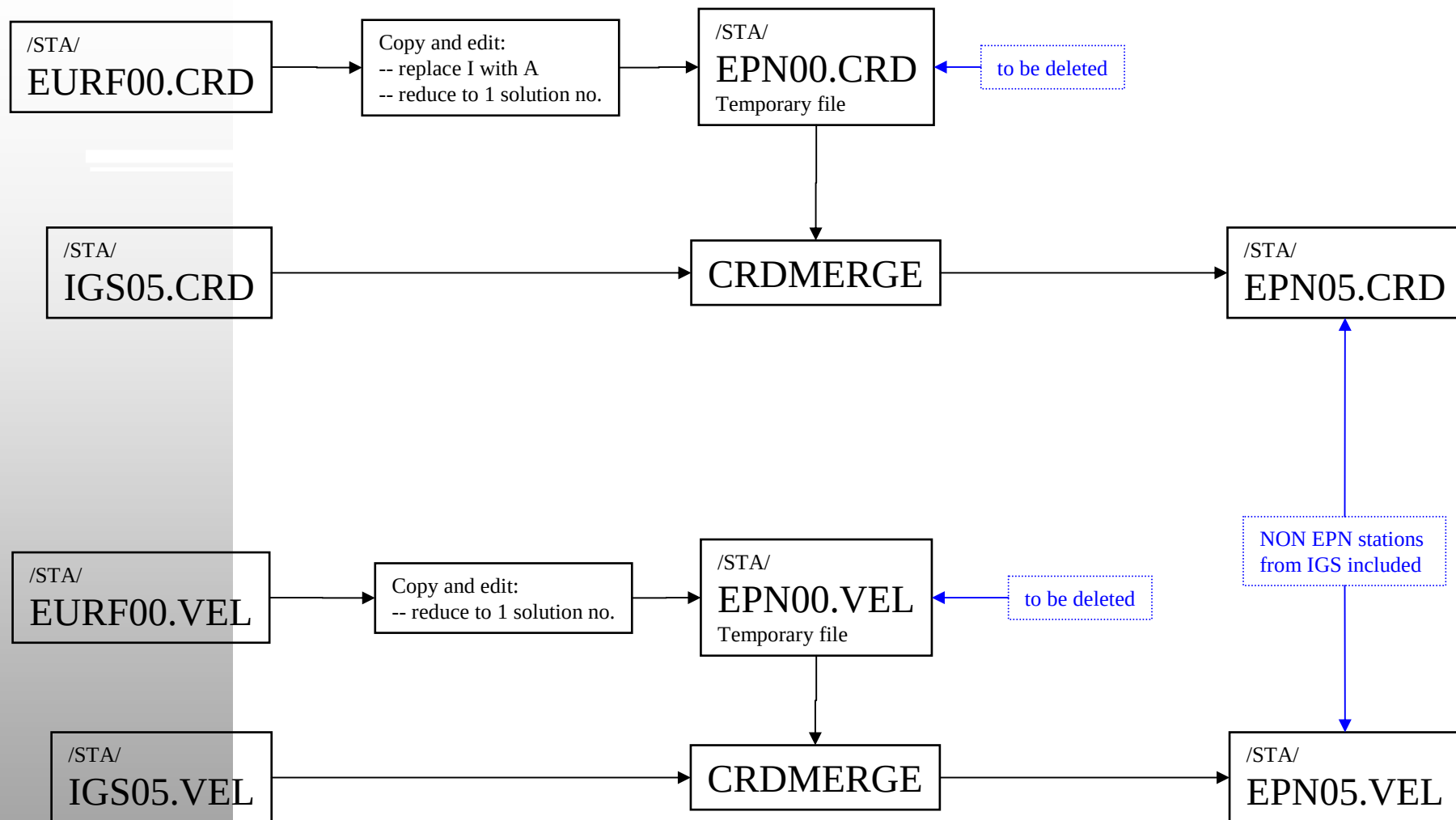
Announcements

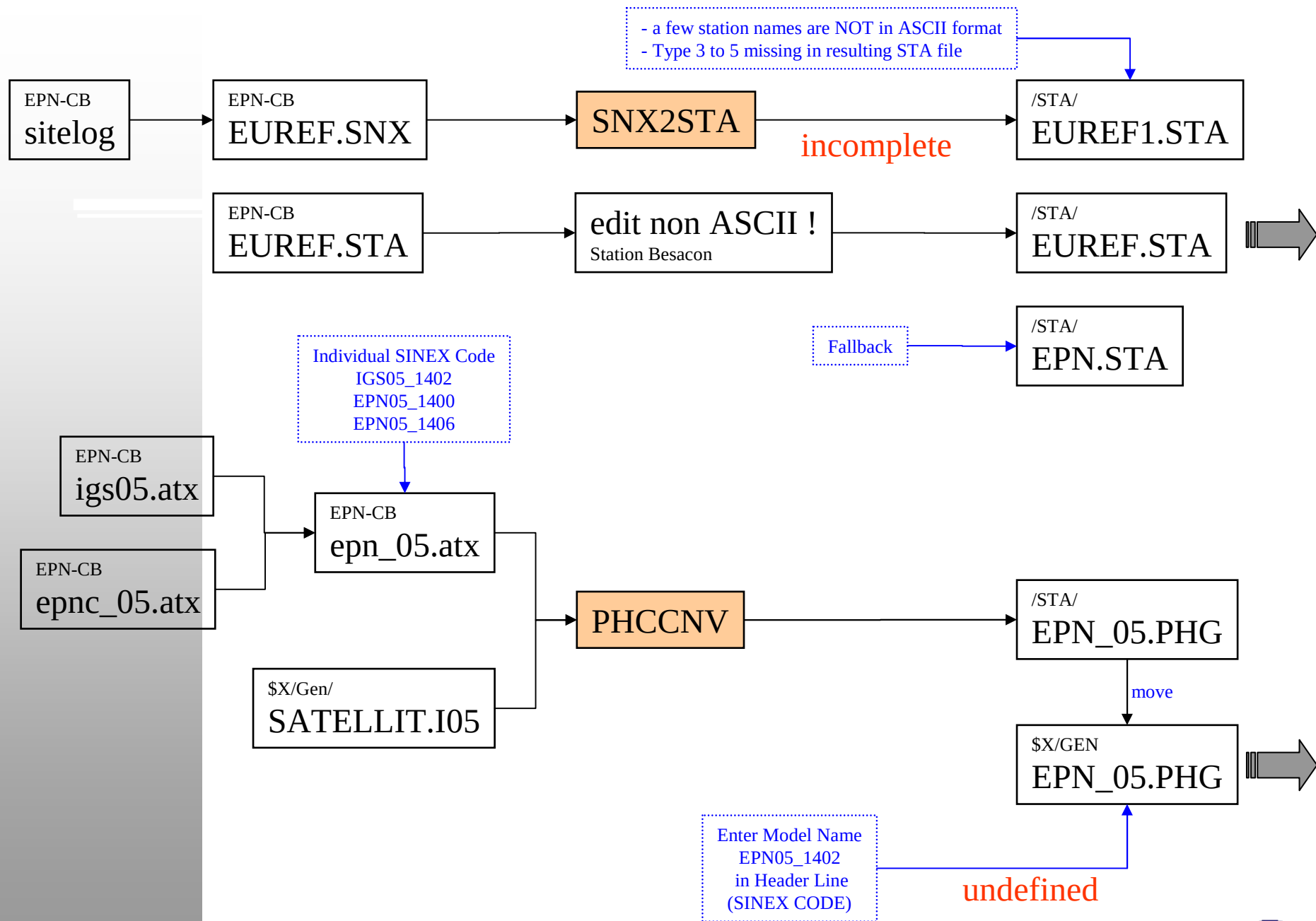
- LAC-Mails concerning Week 1400 analysis options:
 - No. 0702 - 19 Oct 2006
 - No. 0708 - 14 Nov 2006
 - No. 0724 - 27 Nov 2006
 - No. 0728 - 30 Nov 2006
 - No. 0754 - 26 Feb 2006

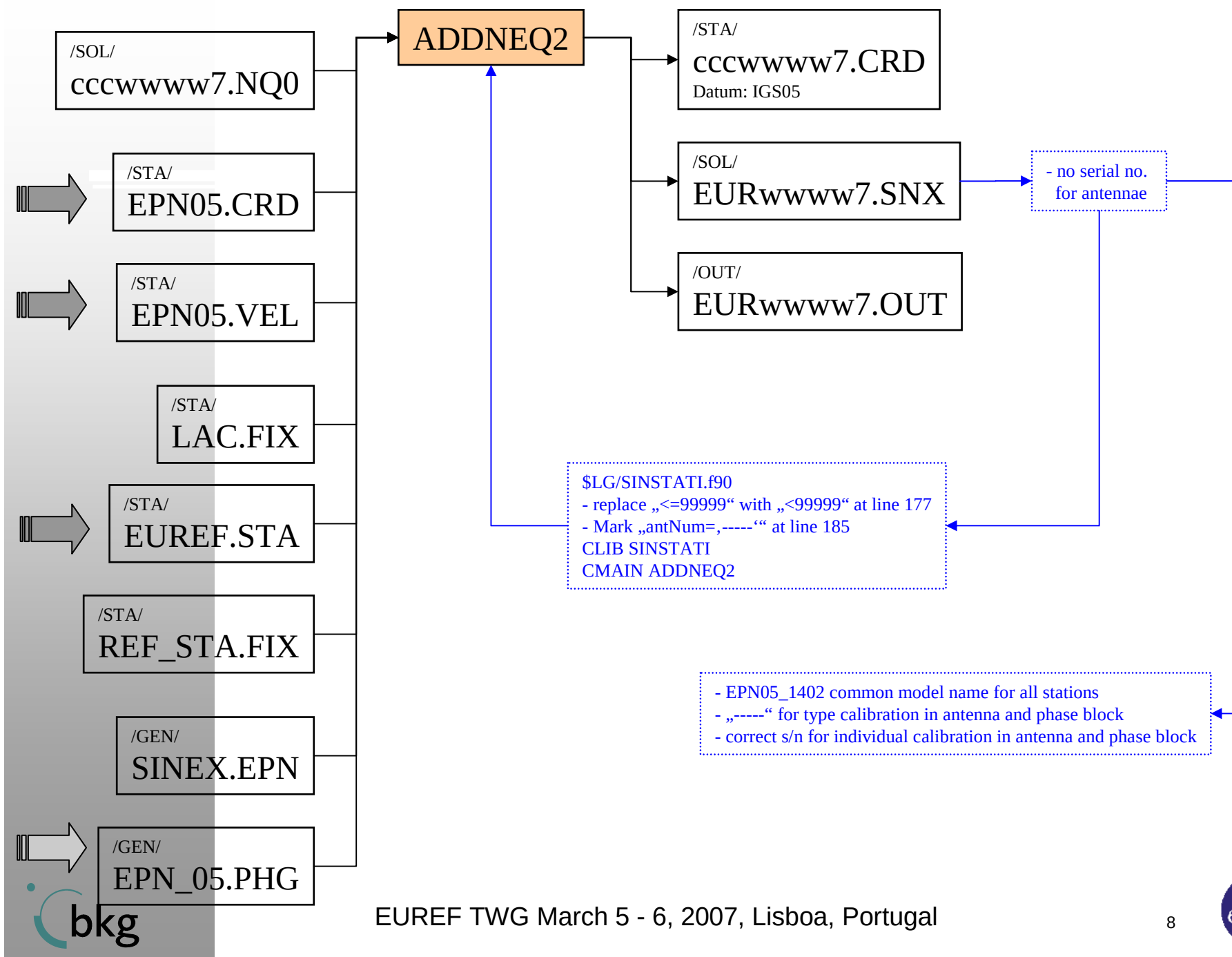
Antenna Numbers and PCV Model Name in SINEX

- For antennae with individual calibration:
 - Put the last 5 integer numbers of the serial number in the SINEX file, after removing non integer characters.
- For antennae with type calibration:
 - Use "-----" in the SINEX file.
- PCV model that is given in the SITE/GPS_PHASE_CENTER block:
 - Please use "EPN05_1402,,
- Modification in source code of SINSTAT1.f90









	ASI	BEK	BKG	COE	DEO	GOP	IGE	IGN	LPT	NKG	OLG	ROB	SGO	SUT	UPA	WUT	Σ
Solution week 1400	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	15/16
Update LAC information file			x														
Update 20 December 2006	x	x	x	x	x	x	x	x	x								
Analysis Software																	
Bernese V5.0		x	x					x	x		x	x					
Microcosm 2005.0	x																
Gipsy v2.5					x												
Reference Frame																	
	All analysis steps will be performed in IGS05. The combined solution will be aligned to ITRF05 and then transformed to ETRS89																
IGS05			x								x	x			x		
Minimum Constraint Cond.			x								x						
PCV Model																	
	The epn_05.atx model from EPN CB website sill be used.																
epn_05.atx			x						x		x	x			x		
SINEX																	
No antenna S/N at all		x	x			x	x	x			x			x	x	x	
S/N + Radome for all stations in SITE/ANTENNA	x				x												
S/N + Radome for special stations in SITE/ANTENNA									x	x			xx?				
S/N + Radome for all stations in SITE/ GPS_PHASE_C...	x				x												
S/N + Radome for special stations in SITE/ GPS_P_ C..									x								
No PCV model at all			x												x		
IGS05_1402 PCV model in SITE/GPS_PHASE_C...		x				x	x	IGS_01		x	x	x	x	x		x	
EPN05_1402 PCV model in SITE/GPS_PHASE_C...									x								
ngs.pcv model in SITE/ GPS_PHASE_CENTER					x												

	ASI	BEK	BKG	COE	DEO	GOP	IGE	IGN	LPT	NKG	OLG	ROB	SGO	SUT	UPA	WUT	Σ
Observation Selection																	
	GPS and GLONASS observations are allowed. Elevation cut off angle is on open question.																
GPS+GLONASS									x			x					
GPS																	
3° elevation cut off									x		x	x					
10° elevation cut off			x														
Satellite Orbits and ERPs																	
CODE for GPS/GLONASS									x								
IGS for GPS/GLONASS												x					
IGS for GPS																	
Troposphere Modelling																	
	Troposphere gradients will be estimated.																
dry-Niell a-priori model			x						x		x	x					
wet-Niell parameter per hour and per station			x						x		x	x					
horizontal gradient per day and per station (tilting)			x						x		x	x			x		
Ambiguity Resolution																	
10° elevation cut-off									x			x					
solve GPS									x			x					
solve GLONASS																	

Weekly Combined Solution

- Submission of 1 sub-network pending
- Test combination for weeks 1400 – 1402 published
- Transformation parameters ITRF2005 into ETRF05 pending