



# GSFC POD standards under development



T/P POD model	GSFC POD Standard	
	PODPS (1995) GDR	TVG(2006) re-processing
Gravity (static)	JGM-3 (70x70)	GGM02C (120x120)
Gravity (time-variable)	C20dot, C21dot, S21dot	C20dot, C21dot, S21dot + 20x20 annual terms GRACE solutions
Atmospheric gravity	Not applied	NCEP, 50x50 @6 hrs
Ocean Tides	Ray94 + GEMT3X	GOT00.2 (20x20) (T/P-derived)
Solid Earth Tides	$k_2 = 0.300$ ; $k_3 = 0.093$ (Wahr)	IERS2003
Albedo/IR	Knocke & Ries, 1988	same
Atmospheric drag	DTM	MSIS86
surface force	tuned 12-panel model	same
Data	SLR /DORIS	same
Parameterization and arc span	Cd/8 hrs + opr along+cross track/day; 10-day arc	same dynamic reduced-dynamic 5-day possible
SLR/DORIS stations	CSR95L02 (cycle 1-359) ITRF2000 (360 ->)	all ITRF2000
precession	IAU1976	IAU2000
nutation	IAU1980+corrections	IAU2000



# NASA GSFC TOPEX/POSEIDON DORIS RMS (GDR vs. TVG Reprocessing)

