

Figure S02: Model Harmonic Constituent Decomposition Set

Tidal Constituent	Tidal Description	T_{jn} (h)
Mm (MN)	Lunar (*met)	661.3092
MSf (SM)	Lunar	354.3671
α_1		29.0727
$2Q_1$	Lunar	28.0062
Q_1	Elliptical Lunar	26.8684
O_1	Principal Lunar	25.8193
M_1 (NO_1)	Compound	24.8412
P_1	Lunar	24.0659
K_1	Luni-Solar	23.9345
J_1 (MQ_1)	Compound	23.0985
OO_1 ($2KO_1$)	Compound	22.3061
v_1		21.5782
ϵ_2 (MNS_2)	Compound	13.1273
μ_2 ($2MS_2$)	Compound	12.8718
N_2	Elliptical Lunar	12.6583
M_2	Principal Lunar	12.4206
L_2 ($2MN_2$)	Compound	12.1916
S_2	Principal Solar	12.0000
K_2	Luni-Solar	11.9672
η_2	Compound	11.7545
$2MK_3$ (MO_3)	Compound	8.3863
M_3	Overtide	8.2804
MK_3	Compound	8.1771
SK_3	Compound	7.9927
MN_4	Compound	6.2692
M_4	Overtide	6.2103
SN_4	Compound	6.1602
MS_4	Compound	6.1033
S_4	Overtide	6.0000
$2MK_5$	Compound	4.9309
$2SK_5$	Compound	4.7974
$2MN_6$	Compound	4.1663
M_6	Overtide	4.1402
$2MS_6$	Compound	4.0924
$2SM_6$	Compound	4.0457
$3MK_7$	Compound	3.5296
M_8	Overtide	3.1052
M_{10}	Overtide	2.4841