

## **Estimation Summary Report**

26 November 2012 03:31:37 pm

AIC: 209.098

Log-likelihood: -70.5489

Sac Release: -51.9489

Geo Release: -5.65431

Ryde Release: -5.24268

SutterUp: 0

SteamUp: -1.21708

Chippis for Sac Release: -2.7478

Chippis for Geo Release: -2.29462

Chippis for Ryde Release: -1.44354

Dimension of the Minimum Sufficient Statistic: 66

Number of parameters: 34

## **Categories and Corresponding Counts by Likelihood**

"Sac Release"

Total observed counts: 178

Category	Counts	Category	Counts	Category	Counts
AAAA0A	9	AAAA00	7	AAA00A	2
AAA000	10	AACCCA	2	AACCD0	1
AACCA0A	0	AACCA00	3	AAC0DA	0
AAC0D0	0	AAC00A	0	AAC000	0
AAD0DA	2	AAD0D0	3	AAD00A	0
AAD000	4	AAaA0A	4	AAaA00	8
AAa00A	0	AAa000	1	AAd0DA	0
AAd0D0	2	AAd00A	0	AAd000	3
AA0A0A	0	AA0A00	1	AA0CDA	0
AA0CD0	0	AA0C0A	0	AA0C00	0
AA00DA	0	AA00D0	0	AA000A	0
AA0000	14	AB10B0A	3	AB10B00	4
AB1000A	0	AB10000	9	AB20B0A	3
AB20B00	4	AB2000A	0	AB20000	5
A0AA0A	0	A0AA00	0	A0A00A	0
A0A000	0	A0CCDA	0	A0CCD0	0

A0CC0A	0	A0CC00	0	A0C0DA	0
A0C0D0	0	A0C00A	0	A0C000	0
A0D0DA	0	A0D0D0	0	A0D00A	0
A0D000	0	A0aA0A	0	A0aA00	0
A0a00A	0	A0a000	0	A0d0DA	0
A0d0D0	0	A0d00A	0	A0d000	0
A00A0A	0	A00A00	0	A00B0A	0
A00B00	0	A00CDA	0	A00CD0	0
A00C0A	0	A00C00	0	A000DA	0
A000D0	2	A0000A	0	A00000	72

"Geo Release"

Total observed counts: 137

Category	Counts	Category	Counts	Category	Counts
00D0DA	7	00D0D0	18	00D00A	3
00D000	109				

"Ryde Release"

Total observed counts: 77

Category	Counts	Category	Counts	Category	Counts
00AA0A	10	00AA00	20	00A00A	1
00A000	46				

"SutterUp"

Total observed counts: 16

Category	Counts	Category	Counts	Category	Counts
B11a B11b	16	B11a 0	0	0 B11b	0

"SteamUp"

Total observed counts: 12

Category	Counts	Category	Counts	Category	Counts
B21a B21b	10	B21a 0	0	0 B21b	2

"Chippis for Sac Release"

Total observed counts: 25

Category	Counts	Category	Counts	Category	Counts
A5as A5bs	16	A5as 0	1	0 A5bs	8

"Chippis for Geo Release"

Total observed counts: 10

Category	Counts	Category	Counts	Category	Counts
A5ag A5bg	5	A5ag 0	1	0 A5bg	4

"Chippis for Ryde Release"

Total observed counts: 11

Category	Counts	Category	Counts	Category	Counts
A5ar A5br	5	A5ar 0	0	0 A5br	6

## Parameter Estimates

Parameter	Estimate	s.e.
SA1	0.598043	0.0369935
psiB11	0.150303	0.0346521
psiB21	0.112727	0.0306621
SA2	0.83419	0.0471426
w	0.702548	0.0588624
psiA2o	0.629296	0.0734291
psiC2o	0.130499	0.049849
psiA2c	0.690081	0.111989
SA3o	0.693903	0.105526
SA4	0.457241	0.0946853
SB3	0.437143	0.135217
SB11	0.4375	0.12402
SB21	0.583333	0.142318
SC2	0.5	0.204108
SD1o	0.58209	0.15924

SD2	0.34	0.13899
SA3c	0.996373	0.0981108
SD1c	0.42623	0.220334
PA2	0.96875	0.0217491
PA3	0.967742	0.0317335
PA4	0.866667	0.0877709
PC1	0.866667	0.0877701
PA5as	0.666667	0.0962228
PA5bs	0.941176	0.0570671
FB21a	0.833333	0.107583
SD1g	0.260688	0.0591924
SD2g	0.3024	0.100413
PD2g	0.7	0.144912
PA5ag	0.555556	0.165636
PA5bg	0.833333	0.152145
SA3r	0.428571	0.0655259
SA4r	0.333333	0.0860658
PA4r	0.909091	0.0866782
PA5ar	0.454545	0.150132

### Convenience Functions

Name	Estimate	s.e.
FB2	1	0
SC1	1	0
PC2	1	0
PD2	1	0
PD1	0.866667	0.0877701

FB11a	1	0
FB21b	1	0
FB11b	1	0
FA5br	1	0
FA5s	0.980392	0.0205922
FA5g	0.925926	0.0796914
FA5r	1	0
FB11	1	0
FB21	1	0
psiA1	0.73697	0.042713
psiD2o	0.240205	0.0662241
psiD2c	0.309919	0.111989
psiC2c	0	0
psiA1	0.73697	0.042713
psiD2o	0.240205	0.0662241
psiD2c	0.309919	0.111989
psiC2c	0	0
psiA2	0.647377	0.0607466
psiD2	0.260941	0.0565581
psiC2	0.091682	0.0357359
SAo	0.115392	0.0357862
SAc	0.165691	0.0477748
SA	0.130353	0.0381414
SB1	0.0872146	0.0338736
SB2	0.116286	0.0419301
SC	0.0754309	0.040183
SDo	0.0878151	0.0381728
SDc	0.0643017	0.0396493

SD	0.080821	0.0334085
Sdelta	0.109047	0.0268938
routing_sum_check	1	4.0844e-19