

## **Estimation Summary Report**

26 November 2012 03:35:02 pm

AIC: 179.047

Log-likelihood: -59.5233

Sac Release: -41.6939

Geo Release: -5.7714

Ryde Release: -4.3562

SutterUp: 0

SteamUp: -1.38574

Chippis for Sac Release: -2.13479

Chippis for Geo Release: -2.44957

Chippis for Ryde Release: -1.73173

Dimension of the Minimum Sufficient Statistic: 64

Number of parameters: 30

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

"Sac Release"

Total observed counts: 188

Category	Counts	Category	Counts	Category	Counts
AAAA0A	1	AAAA00	1	AAA00A	0
AAA000	0	AACCCA	0	AACCD0	1
AACCA0A	0	AACCA00	1	AAC0DA	0
AAC0D0	0	AAC00A	0	AAC000	0
AAD0DA	1	AAD0D0	0	AAD00A	0
AAD000	0	AAaA0A	24	AAaA00	40
AAa00A	1	AAa000	5	AAd0DA	6
AAd0D0	15	AAd00A	0	AAd000	6
AA0A0A	0	AA0A00	1	AA0CDA	0
AA0CD0	0	AA0C0A	0	AA0C00	0
AA00DA	0	AA00D0	0	AA000A	0
AA0000	7	AB10B0A	9	AB10B00	8
AB1000A	0	AB10000	13	AB20B0A	6
AB20B00	6	AB2000A	0	AB20000	3
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	1	A0000A	0	A00000	32

"Geo Release"

Total observed counts: 108

Category	Counts	Category	Counts	Category	Counts
00D0DA	11	00D0D0	27	00D00A	2
00D000	68				

"Ryde Release"

Total observed counts: 69

Category	Counts	Category	Counts	Category	Counts
00AA0A	21	00AA00	33	00A00A	0
00A000	15				

"SutterUp"

Total observed counts: 30

Category	Counts	Category	Counts	Category	Counts
B11a B11b	30	B11a 0	0	0 B11b	0

"SteamUp"

Total observed counts: 15

Category	Counts	Category	Counts	Category	Counts
B21a B21b	12	B21a 0	0	0 B21b	3

"Chippis for Sac Release"

Total observed counts: 48

Category	Counts	Category	Counts	Category	Counts
A5as A5bs	18	A5as 0	0	0 A5bs	30

"Chippis for Geo Release"

Total observed counts: 13

Category	Counts	Category	Counts	Category	Counts
A5ag A5bg	6	A5ag 0	1	0 A5bg	6

"Chippis for Ryde Release"

Total observed counts: 21

Category	Counts	Category	Counts	Category	Counts
A5ar A5br	13	A5ar 0	0	0 A5br	8

## Parameter Estimates

Parameter	Estimate	s.e.
SA1	0.830149	0.0274241
psiB11	0.192224	0.0315437
psiB21	0.096112	0.0235933
SA2	0.939141	0.0234684
w	0.0486849	0.0212411
psiA2o	0.399718	0.219047
psiC2o	0.394427	0.218048
psiA2c	0.715966	0.0454766
SA4	0.37382	0.0590271
SB3	0.517241	0.0927926
SB11	0.566667	0.0904718
SB21	0.8	0.103279
SC2	0.500058	0.353516
SD2	0.291667	0.0927837
SA3c	0.950409	0.0386172

SD1c	0.778896	0.0796234
PA2	0.990385	0.00956904
PA3	0.985284	0.0146071
PA4	0.963306	0.0360032
PC1	0.962806	0.0365412
PA5as	0.375	0.0698769
FB21a	0.8	0.103279
SD1g	0.415825	0.0629879
SD2g	0.311741	0.0830676
PD2g	0.846154	0.100068
PA5ag	0.5	0.144335
PA5bg	0.857143	0.132259
SA3r	0.782609	0.0496557
SA4r	0.388889	0.0663402
PA5ar	0.619048	0.105971

### Convenience Functions

Name	Estimate	s.e.
FB2	1	0
SC1	1	0
PA4r	1	0
PA5br	1	0
PA5bs	1	0
FB21b	1	0
FB11a	1	0
FB11b	1	0
SA3o	1	0

SD1o	1	0
PD1	0.962806	0.0365412
PC2	0.962806	0.0365412
PD2	1	0
PA5s	1	0
PA5g	0.928571	0.0743445
PA5r	1	0
PB11	1	0
PB21	1	0
psiA1	0.711664	0.0362631
psiD2o	0.205854	0.182641
psiD2c	0.284034	0.0454766
psiC2c	0	0
psiA2	0.700569	0.0450035
psiD2	0.280228	0.044142
psiC2	0.0192027	0.0134486
SAo	0.303188	0.0532162
SAc	0.288153	0.0518973
SA	0.288885	0.0518989
SB1	0.18294	0.0431685
SB2	0.258268	0.0559069
SC	0.121535	0.0919556
SDo	0.243042	0.0655357
SDc	0.189304	0.0545242
SD	0.19192	0.0548758
Sdelta	0.243953	0.0388818
routing_sum_check	1	2.09756e-18