

## **Estimation Summary Report**

26 November 2012 01::31::20 pm

AIC: 203.002

Log-likelihood: -68.5011

Sac Release: -50.109

Geo Release: -5.65431

Ryde Release: -5.24268

SutterUp: 0

SteamUp: -1.21708

Chippis for Sac Release: -2.53988

Chippis for Geo Release: -2.29462

Chippis for Ryde Release: -1.44354

Dimension of the Minimum Sufficient Statistic: 66

Number of parameters: 33

## **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	9	AACCCA	2	AACCD0	1
AACC0A	0	AACC00	3	AAC0DA	0
AAC0D0	0	AAC00A	0	AAC000	0
AAD0DA	2	AAD0D0	2	AAD00A	0
AAD000	5	AAaA0A	3	AAaA00	6
AAa00A	0	AAa000	2	AAd0DA	0
AAd0D0	2	AAd00A	0	AAd000	3
AA0A0A	0	AA0A00	0	AA0CDA	0
AA0CD0	0	AA0C0A	0	AA0C00	0
AA00DA	0	AA00D0	0	AA000A	0
AA0000	18	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: 18

Category	Counts	Category	Counts	Category	Counts
A5as A5bs	12	A5as 0	1	0 A5bs	5

"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	0.598993	0.0370943
psiB11	0.150065	0.0346088
psiB21	0.112549	0.0306215
SA2	0.780117	0.0518077
w	0.720109	0.0595552
psiA2o	0.611321	0.0758736
psiC2o	0.135849	0.0517304
psiA2c	0.640777	0.123492
SA3o	0.720165	0.106715
SA4	0.491111	0.102974
SB3	0.438492	0.135767
SB11	0.4375	0.124017
SB21	0.583333	0.142319
SC2	0.5	0.204127
SD1o	0.477612	0.161719

SD2	0.372054	0.14868
SA3c	0.883838	0.135897
SD1c	0.432432	0.220006
PA2	0.966667	0.0231741
PA4	0.857143	0.0935224
PC1	0.857143	0.0935209
PA5as	0.705882	0.110509
PA5bs	0.923077	0.0739048
PB21a	0.833333	0.107583
SD1g	0.260688	0.0591918
SD2g	0.3024	0.100414
PD2g	0.7	0.144912
PA5ag	0.555556	0.165633
PA5bg	0.833333	0.152144
SA3r	0.428571	0.0655258
SA4r	0.333333	0.0860654
PA4r	0.909091	0.0866782
PA5ar	0.454545	0.150132

### Convenience Functions

Name	Estimate	s.e.
PA3	1	0
PB2	1	0
SC1	1	0
PC2	1	0
PD2	1	0
PD1	0.857143	0.0935209

FB11a	1	0
FB21b	1	0
FB11b	1	0
FA5br	1	0
FA5s	0.977376	0.0245016
FA5g	0.925926	0.0796904
FA5r	1	0
FB11	1	0
FB21	1	0
psiA1	0.737387	0.0426754
psiD2o	0.25283	0.0695756
psiD2c	0.359223	0.123492
psiC2c	0	0
psiA1	0.737387	0.0426754
psiD2o	0.25283	0.0695756
psiD2c	0.359223	0.123492
psiC2c	0	0
psiA2	0.619565	0.0640885
psiD2	0.282609	0.0604995
psiC2	0.0978261	0.0380165
SAo	0.112174	0.0348764
SAc	0.137668	0.0431741
SA	0.119309	0.0355804
SB1	0.0873531	0.0339279
SB2	0.116471	0.0419981
SC	0.0706534	0.0377171
SDo	0.0674898	0.0322419
SDc	0.0611056	0.0372697

SD	0.0657029	0.0286702
Sdelta	0.0995134	0.0248879
routing_sum_check	1	2.88866e-18