

```
1 C:\ye\venv\dtk_tools\Scripts\python.exe "C:/GitHub/HIV/
  Supriya Sarkar/optim_script.py"
2 Calibration with name Zambia--0.02--rep3--FS already
  exists in current directory
3 Do you want to [R]esume, [B]ackup + run, [C]leanup + run,
  Re-[P]lot, [A]bort:  C
4 Cancelling experiment Zambia--0.02--rep3--
  FS_iter0_c2db1c1e-7313-e911-80ca-f0921c167866
5 Waiting to complete cancellation...
6 Calibration Zambia--0.02--rep3--FS successfully cancelled!
7 Cleaning up calibration Zambia--0.02--rep3--FS
8 Delete COMPS suite c1db1c1e-7313-e911-80ca-f0921c167866
9 ---- Starting Iteration 0 ----
10 0 SeedYr HIGH 1982 1980 1990 False
11 0 Base Infectivity 0.00065805 0.000462514 0.000731765 True
12 0 Circumcision Reduced Acquire 0.6 0.4 0.9 False
13 0 Sexual Debut Age Female Weibull Scale 18.606144675919992
  17.3720881 20 True
14 0 Sexual Debut Age Female Weibull Heterogeneity 0.
  22594080922800006 0.097991969 0.340692871 True
15 0 Sexual Debut Age Male Weibull Scale 16.529063348719998
  15.21136965 18.47653318 True
16 0 Sexual Debut Age Male Weibull Heterogeneity 0.
  16722784289600007 0.047003797 0.301883187 True
17 0 Trns Form Rate 0.0013502689680000004 0.000514544 0.
  002147506 True
18 0 Infrmrl Form Rate 0.0003267078840000002 9.13e-05 0.
  000750199 True
19 0 Mrtl Form Rate 0.00015194086800000004 8.35e-05 0.
  000220516 True
20 0 Male To Female Young 2.0271207387359995 1 3.521532331
  True
21 0 Male To Female Old 1.80702788 1 3 True
22 0 Trns Condom Mid 2003.6462943840002 2001.09944 2005 True
23 0 Trns Condom Rate 2.680546492368 1.799647676 3 True
24 0 Trns Condom Late 0.29476792519999995 0.042466528 0.
  497848947 True
25 0 Infrmrl Condom Mid 1996.6712737560013 1991.016096 2002.
  789368 True
26 0 Infrmrl Condom Rate 0.32514846760800026 0 1.577351648
  True
27 0 Infrmrl Condoms Late 0.4429398756999997 0.263329488 0.6
  True
28 0 Mrtl Condom Mid 1999.4340093160001 1994.323885 2003.
  947105 True
```

29	0	Mrtl	Condom	Rate	1.162613441492	0.47139282	1.762186758
					True		
30	0	Mrtl	Condom	Max	0.24546589979999997	0.139951902	0.3
31	0	Risk	Assortivity		0.1583939125279999	0.05	0.442273786
					True		
32	0	Pr	Ex	Trns	Male	LOW	0.17156243564800003
						0.330339116	True
33	0	Pr	Ex	Trns	Male	MED	0.2968423946159999
						0.595260046	True
34	0	Pr	Ex	Trns	Fem	LOW	0.060158364316
35	0	Pr	Ex	Trns	Fem	MED	0.32757797660000004
						0.702074707	True
36	0	Pr	Ex	Infmrl	Male	LOW	0.26551587058400006
						0	0.417467689
						True	
37	0	Pr	Ex	Infmrl	Fem	LOW	0.3005679004599999
						0.185855287	0.5
						True	
38	0	Max	Trns	M	LOW	1.8332489289200007	1.437886034
39	0	Max	Trns	F	LOW	1.8332489289200007	1.437886034
40	0	Max	Infmrl	M	LOW	1.220070328784	0.902599589
						1.457616563	True
41	0	Max	Infmrl	F	LOW	1.220070328784	0.902599589
						1.457616563	True
42	0	Pr	Ex	Infmrl	Male	MED	0.4110081915719999
						0.23247206	0.5
						True	
43	0	Pr	Ex	Infmrl	Fem	MED	0.3926795025160002
						0.207438656	0.5
						True	
44	0	Max	Trns	M	MED	2.2127818964040005	1.565818875
45	0	Max	Trns	F	MED	2.2127818964040005	1.565818875
46	0	Max	Infmrl	M	MED	2.7086229532600004	1.949826779
47	0	Max	Infmrl	F	MED	2.7086229532600004	1.949826779
48	0	Max	Mrtl	M	ME	1.8276888435080003	1.468170751
49	0	Max	Mrtl	F	ME	1.8276888435080003	1.468170751
50	0	Infrml	Dur	Het		0.75	0.75
						0.75	False
51	0	Central:	Trns	Condoms	Late	0.6840104651480003	0.
						503310427	0.8
						True	
52	0	Central:	Infmrl	Condoms	Late	0.5110263261879998	0.
						368303923	0.6
						True	
53	0	Central:	LOW	Risk		0.2542050461600001	0.101207687
						0.351662676	True
54	0	Copperbelt:	Trns	Condoms	Late	0.4258758488840002	0.
						19746852	0.549003153
						True	
55	0	Copperbelt:	Infmrl	Condoms	Late	0.22692407542000004	0
						0.417629356	True
56	0	Copperbelt:	LOW	Risk		0.33404160518	0.232866175
						0.413876887	True

57	0	Eastern:	Trns Condoms Late	0.5086235459000004	0.
			212994864	0.8	True
58	0	Eastern:	Infmrl Condoms Late	0.1703518085240001	0.
			018981119	0.403479803	True
59	0	Eastern:	LOW Risk	0.12594297065199994	0.05
			0.258156283		True
60	0	Luapula:	Trns Condoms Late	0.6756244423679993	0.
			313664491	0.8	True
61	0	Luapula:	Infmrl Condoms Late	0.5328265342159998	0.
			406449404	0.6	True
62	0	Luapula:	LOW Risk	0.23366463305199994	0.068374894
			0.424839271		True
63	0	Lusaka:	Trns Condoms Late	0.18005020621200005	0 0.
			662366525		True
64	0	Lusaka:	Infmrl Condoms Late	0.5311928377199998	0.
			374899244	0.6	True
65	0	Lusaka:	LOW Risk	0.3806859140840002	0.211396792
			0.5		True
66	0	Muchinga:	Trns Condoms Late	0.48440360224799983	0.
			325522692	0.8	True
67	0	Muchinga:	Infmrl Condoms Late	0.20668921986799996	0.
			038298426	0.580399186	True
68	0	Muchinga:	LOW Risk	0.09272307417600002	0.05
			0.23341755		True
69	0	Northern:	Trns Condoms Late	0.6079084890999997	0.
			354285126	0.8	True
70	0	Northern:	Infmrl Condoms Late	0.4876322350719995	0.
			135008185	0.6	True
71	0	Northern:	LOW Risk	0.4489804509400005	0.348732427
			0.5		True
72	0	Northwestern:	Trns Condoms Late	0.6544284567199999	0.
			461395552	0.8	True
73	0	Northwestern:	Infmrl Condoms Late	0.48899453800799997	0
			.255871722	0.6	True
74	0	Northwestern:	LOW Risk	0.2914405509600002	0.091520549
			0.5		True
75	0	Southern:	Trns Condoms Late	0.7308442738000007	0.
			488058034	0.8	True
76	0	Southern:	Infmrl Condoms Late	0.5269561592559996	0.
			344260515	0.6	True
77	0	Southern:	LOW Risk	0.3741192799080003	0.2560802
			0.5		True
78	0	Western:	Trns Condoms Late	0.6406304791040001	0.
			404196268	0.8	True
79	0	Western:	Infmrl Condoms Late	0.08501450512400001	0 0.

```

79 311877405 True
80 0 Western: LOW Risk 0.2780668342160001 0.107138081 0.
    480500094 True
81 0 PreART Link Min 0.8375269584079996 0.58773283 1 True
82 0 PreART Link Max 0.9633467164679995 0.771714793 1 True
83 0 PreART Link Mid 2006.542934072 2002.674583 2010 True
84 0 ART Link Max 0.891839766984 0.671290636 1 True
85 0 ART Link Mid 1997.8751006279995 1995 2001.259622 True
86 0 Run_Number 493104.448 4607 997118 True
87 Saving meta-data for experiment:
88 {
89     "command_line": "Assets\\Eradication.exe --config
    config.json --input-path ./Assets",
90     "date_created": "2019-01-08 10:33:17.389892",
91     "dtk_tools_revision": "1.0b3",
92     "endpoint": "https://comps2.idmod.org",
93     "exe_name": "Eradication.exe",
94     "exp_id": "b3a7acdc-7313-e911-80ca-f0921c167866",
95     "exp_name": "Zambia--0.02--rep3--FS_iter0",
96     "id": "Zambia--0.02--rep3--FS_iter0_b3a7acdc-7313-e911
    -80ca-f0921c167866",
97     "location": "HPC",
98     "selected_block": "HPC",
99     "setup_overlay_file": "C:\\GitHub\\HIV\\Supriya Sarkar
    \\simtools.ini",
100    "sim_root": "$COMPS_PATH(USER)\\output",
101    "suite_id": "b2a7acdc-7313-e911-80ca-f0921c167866",
102    "working_directory": "C:\\GitHub\\HIV\\Supriya Sarkar"
103 }
104 Creating the simulations
105 | Creator processes: 3
106 | Simulations per batch: 20
107 \ Created simulations: 0/30UNUSED PARAMETER: Run_Number
108 | Created simulations: 0/30UNUSED PARAMETER: Run_Number
109 - Created simulations: 0/30UNUSED PARAMETER: Run_Number
110 | Created simulations: 0/30UNUSED PARAMETER: Run_Number
111 UNUSED PARAMETER: Run_Number
112 - Created simulations: 0/30UNUSED PARAMETER: Run_Number
113 \ Created simulations: 0/30UNUSED PARAMETER: Run_Number
114 / Created simulations: 0/30UNUSED PARAMETER: Run_Number
115 UNUSED PARAMETER: Run_Number
116 \ Created simulations: 0/30UNUSED PARAMETER: Run_Number
117 / Created simulations: 0/30UNUSED PARAMETER: Run_Number
118 - Created simulations: 0/30UNUSED PARAMETER: Run_Number
119 | Created simulations: 0/30UNUSED PARAMETER: Run_Number

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120 UNUSED PARAMETER: Run_Number
121   - Created simulations: 0/30UNUSED PARAMETER: Run_Number
122   | Created simulations: 0/30UNUSED PARAMETER: Run_Number
123   / Created simulations: 0/30UNUSED PARAMETER: Run_Number
124 UNUSED PARAMETER: Run_Number
125   \ Created simulations: 0/30UNUSED PARAMETER: Run_Number
126 UNUSED PARAMETER: Run_Number
127   / Created simulations: 0/30UNUSED PARAMETER: Run_Number
128 UNUSED PARAMETER: Run_Number
129   \ Created simulations: 0/30UNUSED PARAMETER: Run_Number
130   / Created simulations: 0/30UNUSED PARAMETER: Run_Number
131   - Created simulations: 0/30UNUSED PARAMETER: Run_Number
132   | Created simulations: 0/30UNUSED PARAMETER: Run_Number
133   / Created simulations: 0/30UNUSED PARAMETER: Run_Number
134   - Created simulations: 0/30UNUSED PARAMETER: Run_Number
135   | Created simulations: 0/30UNUSED PARAMETER: Run_Number
136   / Created simulations: 0/30UNUSED PARAMETER: Run_Number
137   | Created simulations: 30/30
138
139 Simulations created:
140 -----
141 - Simulation 835199e7-7313-e911-80ca-f0921c167866
142 {
143   "Base_Infectivity": 0.0006691672204138117,
144   "Circumcision_Reduced_Acquire": 0.6,
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      Max_Simultaneous_Relationships_Female": 1.
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146   "Defaults.Society.INFORMALConcurrency_Parameters.LOW.
      Max_Simultaneous_Relationships_Male": 1.2256703288389241,
147   "Defaults.Society.INFORMALConcurrency_Parameters.LOW.
      Prob_Extra_Relationship_Male": 0.3045032320125043,
148   "Defaults.Society.INFORMALConcurrency_Parameters.
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149   "Defaults.Society.INFORMALConcurrency_Parameters.
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151   "Defaults.Society.INFORMALConcurrency_Parameters.
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152   "Defaults.Society.INFORMALPairFormation_Parameters.
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152 "Assortivity.Weighting_Matrix_RowMale_ColumnFemale": [
153     [
154         0.1697918441717163,
155         0.8302081558282837,
156         0
157     ],
158     [
159         0.8302081558282837,
160         0.1697918441717163,
161         0.1697918441717163
162     ],
163     [
164         0,
165         0.1697918441717163,
166         0.8302081558282837
167     ]
168 ],
169 "Defaults.Society.MARITAL.Concurrency_Parameters.MEDIUM
    .Max_Simultaneous_Relationships_Female": 1.
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170 "Defaults.Society.MARITAL.Concurrency_Parameters.MEDIUM
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,
171 "Defaults.Society.MARITAL.Pair_Formation_Parameters.
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172     [
173         0.1697918441717163,
174         0.8302081558282837,
175         0
176     ],
177     [
178         0.8302081558282837,
179         0.1697918441717163,
180         0.1697918441717163
181     ],
182     [
183         0,
184         0.1697918441717163,
185         0.8302081558282837
186     ]
187 ],
188 "Defaults.Society.TRANSITORY.Concurrency_Parameters.LOW
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189 "Defaults.Society.TRANSITORY.Concurrency_Parameters.LOW
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189 ".Max_Simultaneous_Relationships_Male": 1.8420537006774151
  ,
190   "Defaults.Society.TRANSITORYConcurrency_Parameters.LOW
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191   "Defaults.Society.TRANSITORYConcurrency_Parameters.LOW
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195   "Defaults.Society.TRANSITORYConcurrency_Parameters.
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198       0.1697918441717163,
199       0.8302081558282837,
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201     ],
202     [
203       0.8302081558282837,
204       0.1697918441717163,
205       0.1697918441717163
206     ],
207     [
208       0,
209       0.1697918441717163,
210       0.8302081558282837
211     ]
212   ],
213   "Events.22.Start_Year": 1982,
214   "Events.88.EventCoordinator_Config.Intervention_Config
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215   "Events.88.EventCoordinator_Config.Intervention_Config
  .Actual_IndividualIntervention_Config.Ramp_MidYear": 2006
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216   "Events.88.EventCoordinator_Config.Intervention_Config
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217     "Events.94.Event_Coordinator_Config.Intervention_Config  
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     .0260997628823,  
219     "Male_To_Female_Relative_Infectivity_Multipliers": [  
220         2.0806179747794977,  
221         2.0806179747794977,  
222         1.7612133126373122  
223     ],  
224     "Nodes.0.IndividualProperties.1.Initial_Distribution  
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225         0.2397847853353113,  
226         0.7602152146646887,  
227         0  
228     ],  
229     "Nodes.0.Society.INFORMAL.Pair_Formation_Parameters.  
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230     "Nodes.0.Society.INFORMAL.Relationship_Parameters.  
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231     "Nodes.0.Society.INFORMAL.Relationship_Parameters.  
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232     "Nodes.0.Society.INFORMAL.Relationship_Parameters.  
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233     "Nodes.0.Society.INFORMAL.Relationship_Parameters.  
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234     "Nodes.0.Society.MARITAL.Pair_Formation_Parameters.  
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235     "Nodes.0.Society.MARITAL.Relationship_Parameters.  
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236     "Nodes.0.Society.MARITAL.Relationship_Parameters.  
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237     "Nodes.0.Society.MARITAL.Relationship_Parameters.  
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238     "Nodes.0.Society.TRANSITORY.Pair_Formation_Parameters.  
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239     "Nodes.0.Society.TRANSITORY.Relationship_Parameters.  
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243     ]
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243     0.3342526638513303,
244     0.6657473361486697,
245     0
246     ],
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249     "Nodes.1.Society.INFORMAL.Relationship_Parameters.
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255     "Nodes.1.Society.MARITAL.Relationship_Parameters.
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261     0.12983285701710967,
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263     0
264     ],
265     "Nodes.2.Society.INFORMAL.Pair_Foreign_Person_Parameters.
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554       0.8351505496205862,
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617 "Events.94.Event_Coordinator_Config.Intervention_Config
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813     Ramp_Max": 0.966523218382654,
812     "[BUILDER]
813     Actual_IndividualIntervention_Config_KP_PreART_Link.
814     Ramp_MidYear": 2006.5226139635868,
813     "[BUILDER]
814     Actual_IndividualIntervention_Config_KP_PreART_Link.
815     Ramp_Min": 0.8147470587408778,
814     "[BUILDER] Initial_Distribution_KP_Risk_Central": [
815     0.25940382007652046,
816     0.7405961799234795,
817     0
818     ],
819     "[BUILDER] Initial_Distribution_KP_Risk_Copperbelt": [
820     0.33888481683128724,
821     0.6611151831687128,
822     0
823     ],
824     "[BUILDER] Initial_Distribution_KP_Risk_Eastern": [
825     0.12025328096364707,
826     0.8797467190363529,
827     0
828     ],
829     "[BUILDER] Initial_Distribution_KP_Risk_Luapula": [
830     0.23372710364652863,
831     0.7662728963534714,
832     0
833     ],
```

```
834     "[BUILDER] Initial_Distribution__KP_Risk_Lusaka": [
835         0.3870957429751921,
836         0.6129042570248079,
837         0
838     ],
839     "[BUILDER] Initial_Distribution__KP_Risk_Muchinga": [
840         0.09380721791168263,
841         0.9061927820883173,
842         0
843     ],
844     "[BUILDER] Initial_Distribution__KP_Risk_Northern": [
845         0.4476506609548437,
846         0.5523493390451564,
847         0
848     ],
849     "[BUILDER] Initial_Distribution__KP_Risk_Northwestern
": [
850         0.27838875095011256,
851         0.7216112490498874,
852         0
853     ],
854     "[BUILDER] Initial_Distribution__KP_Risk_Southern": [
855         0.3816434647267418,
856         0.6183565352732582,
857         0
858     ],
859     "[BUILDER] Initial_Distribution__KP_Risk_Western": [
860         0.27557504374876957,
861         0.7244249562512304,
862         0
863     ],
864     "[BUILDER] Society__KP_Central.INFORMAL.
Relationship_Parameters.Condom_Usage_Probability.Max": 0.
5136121584430546,
865     "[BUILDER] Society__KP_Central.TRANSITORY.
Relationship_Parameters.Condom_Usage_Probability.Max": 0.
6775223048683497,
866     "[BUILDER] Society__KP_Copperbelt.INFORMAL.
Relationship_Parameters.Condom_Usage_Probability.Max": 0.
2240019333325607,
867     "[BUILDER] Society__KP_Copperbelt.TRANSITORY.
Relationship_Parameters.Condom_Usage_Probability.Max": 0.
4126697100417363,
868     "[BUILDER] Society__KP_Defaults.INFORMAL.
PairFormation_Parameters.Formation_Rate_Constant": 0.
```

```
868 00033607311388014007,
869 "[BUILDER] Society_KP_Defaults.INFORMAL.
    Relationship_Parameters.Condom_Usage_Probability.Max": 0.
        42887413017429504,
870 "[BUILDER] Society_KP_Defaults.INFORMAL.
    Relationship_Parameters.Condom_Usage_Probability.Mid":
        1996.0488525124754,
871 "[BUILDER] Society_KP_Defaults.INFORMAL.
    Relationship_Parameters.Condom_Usage_Probability.Rate": 0
        .31472306292416335,
872 "[BUILDER] Society_KP_Defaults.INFORMAL.
    Relationship_Parameters.Duration_Weibull_Heterogeneity":
        0.75,
873 "[BUILDER] Society_KP_Defaults.MARITAL.
    PairFormation_Parameters.Formation_Rate_Constant": 0.
        00014939179799188377,
874 "[BUILDER] Society_KP_Defaults.MARITAL.
    Relationship_Parameters.Condom_Usage_Probability.Max": 0.
        24776448087030317,
875 "[BUILDER] Society_KP_Defaults.MARITAL.
    Relationship_Parameters.Condom_Usage_Probability.Mid":
        1999.0662345741973,
876 "[BUILDER] Society_KP_Defaults.MARITAL.
    Relationship_Parameters.Condom_Usage_Probability.Rate": 1
        .1477370467850123,
877 "[BUILDER] Society_KP_Defaults.TRANSITORY.
    PairFormation_Parameters.Formation_Rate_Constant": 0.
        0013999744751569578,
878 "[BUILDER] Society_KP_Defaults.TRANSITORY.
    Relationship_Parameters.Condom_Usage_Probability.Max": 0.
        29475917095678067,
879 "[BUILDER] Society_KP_Defaults.TRANSITORY.
    Relationship_Parameters.Condom_Usage_Probability.Mid":
        2003.492577308467,
880 "[BUILDER] Society_KP_Defaults.TRANSITORY.
    Relationship_Parameters.Condom_Usage_Probability.Rate": 2
        .6344042117574866,
881 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
    Concurrency_Parameters.LOW.
    Max_Simultaneous_Relationships_Female": 1.
        1952166768842367,
882 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
    Concurrency_Parameters.LOW.
    Max_Simultaneous_Relationships_Male": 1.2142705823710533,
883 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
```

```
883 Concurrency_Parameters.LOW.Prob_Extra_Relationship_Male
": 0.2971378775047692,
884 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Female": 2.
7346807071124077,
885 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Male": 2.698372633853165,
886 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
Concurrency_Parameters.MEDIUM.
Prob_Extra_Relationship_Female": 0.3934849539047048,
887 "[BUILDER] Society_KP_Defaults_All_Nodes.INFORMAL.
Concurrency_Parameters.MEDIUM.
Prob_Extra_Relationship_Male": 0.4088908126668874,
888 "[BUILDER] Society_KP_Defaults_All_Nodes.MARITAL.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Female": 1.
8267298724703647,
889 "[BUILDER] Society_KP_Defaults_All_Nodes.MARITAL.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Male": 1.8141942935790416,
890 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.LOW.
Max_Simultaneous_Relationships_Female": 1.
8283509829867153,
891 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.LOW.
Max_Simultaneous_Relationships_Male": 1.842413037192007,
892 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.LOW.Prob_Extra_Relationship_Female
": 0.05055949343848145,
893 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.LOW.Prob_Extra_Relationship_Male
": 0.17667641619359417,
894 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Female": 2.169815471935673
,
895 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.MEDIUM.
Max_Simultaneous_Relationships_Male": 2.2471537782188586,
896 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.
Concurrency_Parameters.MEDIUM.
Prob_Extra_Relationship_Female": 0.3242373134255332,
```

```
897 "[BUILDER] Society_KP_Defaults_All_Nodes.TRANSITORY.  
Concurrency_Parameters.MEDIUM.  
Prob_Extra_Relationship_Male": 0.31746416978801095,  
898 "[BUILDER] Society_KP_Eastern.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
1819162623900686,  
899 "[BUILDER] Society_KP_Eastern.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
5027391979012437,  
900 "[BUILDER] Society_KP_Luapula.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
526149818157069,  
901 "[BUILDER] Society_KP_Luapula.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
6522600107007908,  
902 "[BUILDER] Society_KP_Lusaka.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
5316269474361998,  
903 "[BUILDER] Society_KP_Lusaka.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
18766545533361847,  
904 "[BUILDER] Society_KP_Muchinga.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
19698572089977556,  
905 "[BUILDER] Society_KP_Muchinga.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
4962312931956315,  
906 "[BUILDER] Society_KP_Northern.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
48960480470472956,  
907 "[BUILDER] Society_KP_Northern.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
6045966692062374,  
908 "[BUILDER] Society_KP_Northwestern.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
4847194057742141,  
909 "[BUILDER] Society_KP_Northwestern.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
6545832631617212,  
910 "[BUILDER] Society_KP_Southern.INFORMAL.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
5309719729085793,  
911 "[BUILDER] Society_KP_Southern.TRANSITORY.  
Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
7379319972180419,
```

```
912     "[BUILDER] Society__KP_Western.INFORMAL.  
913         Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
914             08233834496872618,  
915     "[BUILDER] Society__KP_Western.TRANSITORY.  
916         Relationship_Parameters.Condom_Usage_Probability.Max": 0.  
917             6431305424223768,  
918     "[BUILDER]  
919         Weighting_Matrix_RowMale_ColumnFemale__KP_RiskAssortivity  
920         ":[  
921             [  
922                 0.16484945037941373,  
923                 0.8351505496205862,  
924                 0  
925             ],  
926             [  
927                 0,  
928                 0.16484945037941373,  
929                 0.8351505496205862  
930             ]  
931         ],  
932         "__sample_index__": 9,  
933         "__site__": "SEARCH",  
934         "exe_collection_id": "c3db1c1e-7313-e911-80ca-  
935             f0921c167866",  
936         "input_collection_id": "b4a7acdc-7313-e911-80ca-  
937             f0921c167866",  
938         "pyOptimTool": null  
939     }  
940  
941  
942 Calibration: Zambia--0.02--rep3--FS  
943 Calibration started: 2019-01-08 10:33:16  
944 Current iteration: Iteration 0  
945 Current Iteration Started: 2019-01-08 10:33:16  
946 Time since iteration started: 26.00 seconds  
947 Time since calibration started: 26.00 seconds  
948
```

```
949 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
950 {'Created': 30}
951
952
953 Calibration: Zambia--0.02--rep3--FS
954 Calibration started: 2019-01-08 10:33:16
955 Current iteration: Iteration 0
956 Current Iteration Started: 2019-01-08 10:33:16
957 Time since iteration started: 37.00 seconds
958 Time since calibration started: 37.00 seconds
959
960 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
961 {'CommissionRequested': 30}
962
963
964 Calibration: Zambia--0.02--rep3--FS
965 Calibration started: 2019-01-08 10:33:16
966 Current iteration: Iteration 0
967 Current Iteration Started: 2019-01-08 10:33:16
968 Time since iteration started: 49.00 seconds
969 Time since calibration started: 49.00 seconds
970
971 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
972 {'CommissionRequested': 30}
973
974
975 Calibration: Zambia--0.02--rep3--FS
976 Calibration started: 2019-01-08 10:33:16
977 Current iteration: Iteration 0
978 Current Iteration Started: 2019-01-08 10:33:16
979 Time since iteration started: 1 minute, 1.00 second
980 Time since calibration started: 1 minute, 1.00 second
981
982 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
983 {'Running': 30}
984
985
986 Calibration: Zambia--0.02--rep3--FS
987 Calibration started: 2019-01-08 10:33:16
988 Current iteration: Iteration 0
989 Current Iteration Started: 2019-01-08 10:33:16
```

```
990 Time since iteration started: 1 minute, 13.00 seconds
991 Time since calibration started: 1 minute, 13.00 seconds
992
993 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
994 {'Running': 30}
995
996
997 Calibration: Zambia--0.02--rep3--FS
998 Calibration started: 2019-01-08 10:33:16
999 Current iteration: Iteration 0
1000 Current Iteration Started: 2019-01-08 10:33:16
1001 Time since iteration started: 1 minute, 24.00 seconds
1002 Time since calibration started: 1 minute, 24.00 seconds
1003
1004 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1005 {'Running': 30}
1006
1007
1008 Calibration: Zambia--0.02--rep3--FS
1009 Calibration started: 2019-01-08 10:33:16
1010 Current iteration: Iteration 0
1011 Current Iteration Started: 2019-01-08 10:33:16
1012 Time since iteration started: 1 minute, 36.00 seconds
1013 Time since calibration started: 1 minute, 36.00 seconds
1014
1015 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1016 {'Running': 30}
1017
1018
1019 Calibration: Zambia--0.02--rep3--FS
1020 Calibration started: 2019-01-08 10:33:16
1021 Current iteration: Iteration 0
1022 Current Iteration Started: 2019-01-08 10:33:16
1023 Time since iteration started: 1 minute, 48.00 seconds
1024 Time since calibration started: 1 minute, 48.00 seconds
1025
1026 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1027 {'Running': 30}
1028
1029
1030 Calibration: Zambia--0.02--rep3--FS
```

```
1031 Calibration started: 2019-01-08 10:33:16
1032 Current iteration: Iteration 0
1033 Current Iteration Started: 2019-01-08 10:33:16
1034 Time since iteration started: 1 minute, 59.00 seconds
1035 Time since calibration started: 1 minute, 59.00 seconds
1036
1037 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1038 {'Running': 30}
1039
1040
1041 Calibration: Zambia--0.02--rep3--FS
1042 Calibration started: 2019-01-08 10:33:16
1043 Current iteration: Iteration 0
1044 Current Iteration Started: 2019-01-08 10:33:16
1045 Time since iteration started: 2 minutes, 11.00 seconds
1046 Time since calibration started: 2 minutes, 11.00 seconds
1047
1048 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1049 {'Running': 30}
1050
1051
1052 Calibration: Zambia--0.02--rep3--FS
1053 Calibration started: 2019-01-08 10:33:16
1054 Current iteration: Iteration 0
1055 Current Iteration Started: 2019-01-08 10:33:16
1056 Time since iteration started: 2 minutes, 22.00 seconds
1057 Time since calibration started: 2 minutes, 22.00 seconds
1058
1059 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1060 {'Running': 30}
1061
1062
1063 Calibration: Zambia--0.02--rep3--FS
1064 Calibration started: 2019-01-08 10:33:16
1065 Current iteration: Iteration 0
1066 Current Iteration Started: 2019-01-08 10:33:16
1067 Time since iteration started: 2 minutes, 34.00 seconds
1068 Time since calibration started: 2 minutes, 34.00 seconds
1069
1070 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1071 {'Running': 30}
```

```
1072
1073
1074 Calibration: Zambia--0.02--rep3--FS
1075 Calibration started: 2019-01-08 10:33:16
1076 Current iteration: Iteration 0
1077 Current Iteration Started: 2019-01-08 10:33:16
1078 Time since iteration started: 2 minutes, 45.00 seconds
1079 Time since calibration started: 2 minutes, 45.00 seconds
1080
1081 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1082 {'Running': 30}
1083
1084
1085 Calibration: Zambia--0.02--rep3--FS
1086 Calibration started: 2019-01-08 10:33:16
1087 Current iteration: Iteration 0
1088 Current Iteration Started: 2019-01-08 10:33:16
1089 Time since iteration started: 2 minutes, 57.00 seconds
1090 Time since calibration started: 2 minutes, 57.00 seconds
1091
1092 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1093 {'Running': 30}
1094
1095
1096 Calibration: Zambia--0.02--rep3--FS
1097 Calibration started: 2019-01-08 10:33:16
1098 Current iteration: Iteration 0
1099 Current Iteration Started: 2019-01-08 10:33:16
1100 Time since iteration started: 3 minutes, 9.00 seconds
1101 Time since calibration started: 3 minutes, 9.00 seconds
1102
1103 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1104 {'Running': 30}
1105
1106
1107 Calibration: Zambia--0.02--rep3--FS
1108 Calibration started: 2019-01-08 10:33:16
1109 Current iteration: Iteration 0
1110 Current Iteration Started: 2019-01-08 10:33:16
1111 Time since iteration started: 3 minutes, 21.00 seconds
1112 Time since calibration started: 3 minutes, 21.00 seconds
1113
```

```
1114 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1115 {'Running': 30}
1116
1117
1118 Calibration: Zambia--0.02--rep3--FS
1119 Calibration started: 2019-01-08 10:33:16
1120 Current iteration: Iteration 0
1121 Current Iteration Started: 2019-01-08 10:33:16
1122 Time since iteration started: 3 minutes, 32.00 seconds
1123 Time since calibration started: 3 minutes, 32.00 seconds
1124
1125 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1126 {'Running': 30}
1127
1128
1129 Calibration: Zambia--0.02--rep3--FS
1130 Calibration started: 2019-01-08 10:33:16
1131 Current iteration: Iteration 0
1132 Current Iteration Started: 2019-01-08 10:33:16
1133 Time since iteration started: 3 minutes, 44.00 seconds
1134 Time since calibration started: 3 minutes, 44.00 seconds
1135
1136 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1137 {'Running': 30}
1138
1139
1140 Calibration: Zambia--0.02--rep3--FS
1141 Calibration started: 2019-01-08 10:33:16
1142 Current iteration: Iteration 0
1143 Current Iteration Started: 2019-01-08 10:33:16
1144 Time since iteration started: 3 minutes, 55.00 seconds
1145 Time since calibration started: 3 minutes, 55.00 seconds
1146
1147 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1148 {'Running': 30}
1149
1150
1151 Calibration: Zambia--0.02--rep3--FS
1152 Calibration started: 2019-01-08 10:33:16
1153 Current iteration: Iteration 0
1154 Current Iteration Started: 2019-01-08 10:33:16
```

```
1155 Time since iteration started: 4 minutes, 7.00 seconds
1156 Time since calibration started: 4 minutes, 7.00 seconds
1157
1158 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1159 {'Running': 30}
1160
1161
1162 Calibration: Zambia--0.02--rep3--FS
1163 Calibration started: 2019-01-08 10:33:16
1164 Current iteration: Iteration 0
1165 Current Iteration Started: 2019-01-08 10:33:16
1166 Time since iteration started: 4 minutes, 19.00 seconds
1167 Time since calibration started: 4 minutes, 19.00 seconds
1168
1169 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1170 {'Running': 30}
1171
1172
1173 Calibration: Zambia--0.02--rep3--FS
1174 Calibration started: 2019-01-08 10:33:16
1175 Current iteration: Iteration 0
1176 Current Iteration Started: 2019-01-08 10:33:16
1177 Time since iteration started: 4 minutes, 30.00 seconds
1178 Time since calibration started: 4 minutes, 30.00 seconds
1179
1180 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1181 {'Running': 30}
1182
1183
1184 Calibration: Zambia--0.02--rep3--FS
1185 Calibration started: 2019-01-08 10:33:16
1186 Current iteration: Iteration 0
1187 Current Iteration Started: 2019-01-08 10:33:16
1188 Time since iteration started: 4 minutes, 42.00 seconds
1189 Time since calibration started: 4 minutes, 42.00 seconds
1190
1191 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1192 {'Running': 30}
1193
1194
1195 Calibration: Zambia--0.02--rep3--FS
```

```
1196 Calibration started: 2019-01-08 10:33:16
1197 Current iteration: Iteration 0
1198 Current Iteration Started: 2019-01-08 10:33:16
1199 Time since iteration started: 4 minutes, 54.00 seconds
1200 Time since calibration started: 4 minutes, 54.00 seconds
1201
1202 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1203 {'Running': 30}
1204
1205
1206 Calibration: Zambia--0.02--rep3--FS
1207 Calibration started: 2019-01-08 10:33:16
1208 Current iteration: Iteration 0
1209 Current Iteration Started: 2019-01-08 10:33:16
1210 Time since iteration started: 5 minutes, 5.00 seconds
1211 Time since calibration started: 5 minutes, 5.00 seconds
1212
1213 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1214 {'Running': 30}
1215
1216
1217 Calibration: Zambia--0.02--rep3--FS
1218 Calibration started: 2019-01-08 10:33:16
1219 Current iteration: Iteration 0
1220 Current Iteration Started: 2019-01-08 10:33:16
1221 Time since iteration started: 5 minutes, 17.00 seconds
1222 Time since calibration started: 5 minutes, 17.00 seconds
1223
1224 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1225 {'Running': 30}
1226
1227
1228 Calibration: Zambia--0.02--rep3--FS
1229 Calibration started: 2019-01-08 10:33:16
1230 Current iteration: Iteration 0
1231 Current Iteration Started: 2019-01-08 10:33:16
1232 Time since iteration started: 5 minutes, 29.00 seconds
1233 Time since calibration started: 5 minutes, 29.00 seconds
1234
1235 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1236 {'Running': 30}
```

```
1237
1238
1239 Calibration: Zambia--0.02--rep3--FS
1240 Calibration started: 2019-01-08 10:33:16
1241 Current iteration: Iteration 0
1242 Current Iteration Started: 2019-01-08 10:33:16
1243 Time since iteration started: 5 minutes, 40.00 seconds
1244 Time since calibration started: 5 minutes, 40.00 seconds
1245
1246 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
   f0921c167866') states:
1247 {'Running': 30}
1248
1249
1250 Calibration: Zambia--0.02--rep3--FS
1251 Calibration started: 2019-01-08 10:33:16
1252 Current iteration: Iteration 0
1253 Current Iteration Started: 2019-01-08 10:33:16
1254 Time since iteration started: 5 minutes, 52.00 seconds
1255 Time since calibration started: 5 minutes, 52.00 seconds
1256
1257 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
   f0921c167866') states:
1258 {'Running': 30}
1259
1260
1261 Calibration: Zambia--0.02--rep3--FS
1262 Calibration started: 2019-01-08 10:33:16
1263 Current iteration: Iteration 0
1264 Current Iteration Started: 2019-01-08 10:33:16
1265 Time since iteration started: 6 minutes, 3.00 seconds
1266 Time since calibration started: 6 minutes, 3.00 seconds
1267
1268 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
   f0921c167866') states:
1269 {'Running': 30}
1270
1271
1272 Calibration: Zambia--0.02--rep3--FS
1273 Calibration started: 2019-01-08 10:33:16
1274 Current iteration: Iteration 0
1275 Current Iteration Started: 2019-01-08 10:33:16
1276 Time since iteration started: 6 minutes, 15.00 seconds
1277 Time since calibration started: 6 minutes, 15.00 seconds
1278
```

```
1279 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1280 {'Running': 30}
1281
1282
1283 Calibration: Zambia--0.02--rep3--FS
1284 Calibration started: 2019-01-08 10:33:16
1285 Current iteration: Iteration 0
1286 Current Iteration Started: 2019-01-08 10:33:16
1287 Time since iteration started: 6 minutes, 27.00 seconds
1288 Time since calibration started: 6 minutes, 27.00 seconds
1289
1290 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1291 {'Running': 30}
1292
1293
1294 Calibration: Zambia--0.02--rep3--FS
1295 Calibration started: 2019-01-08 10:33:16
1296 Current iteration: Iteration 0
1297 Current Iteration Started: 2019-01-08 10:33:16
1298 Time since iteration started: 6 minutes, 39.00 seconds
1299 Time since calibration started: 6 minutes, 39.00 seconds
1300
1301 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1302 {'Running': 30}
1303
1304
1305 Calibration: Zambia--0.02--rep3--FS
1306 Calibration started: 2019-01-08 10:33:16
1307 Current iteration: Iteration 0
1308 Current Iteration Started: 2019-01-08 10:33:16
1309 Time since iteration started: 6 minutes, 50.00 seconds
1310 Time since calibration started: 6 minutes, 50.00 seconds
1311
1312 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1313 {'Running': 30}
1314
1315
1316 Calibration: Zambia--0.02--rep3--FS
1317 Calibration started: 2019-01-08 10:33:16
1318 Current iteration: Iteration 0
1319 Current Iteration Started: 2019-01-08 10:33:16
```

```
1320 Time since iteration started: 7 minutes, 2.00 seconds
1321 Time since calibration started: 7 minutes, 2.00 seconds
1322
1323 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1324 {'Running': 30}
1325
1326
1327 Calibration: Zambia--0.02--rep3--FS
1328 Calibration started: 2019-01-08 10:33:16
1329 Current iteration: Iteration 0
1330 Current Iteration Started: 2019-01-08 10:33:16
1331 Time since iteration started: 7 minutes, 14.00 seconds
1332 Time since calibration started: 7 minutes, 14.00 seconds
1333
1334 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1335 {'Running': 30}
1336
1337
1338 Calibration: Zambia--0.02--rep3--FS
1339 Calibration started: 2019-01-08 10:33:16
1340 Current iteration: Iteration 0
1341 Current Iteration Started: 2019-01-08 10:33:16
1342 Time since iteration started: 7 minutes, 25.00 seconds
1343 Time since calibration started: 7 minutes, 25.00 seconds
1344
1345 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1346 {'Running': 30}
1347
1348
1349 Calibration: Zambia--0.02--rep3--FS
1350 Calibration started: 2019-01-08 10:33:16
1351 Current iteration: Iteration 0
1352 Current Iteration Started: 2019-01-08 10:33:16
1353 Time since iteration started: 7 minutes, 37.00 seconds
1354 Time since calibration started: 7 minutes, 37.00 seconds
1355
1356 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1357 {'Running': 30}
1358
1359
1360 Calibration: Zambia--0.02--rep3--FS
```

```
1361 Calibration started: 2019-01-08 10:33:16
1362 Current iteration: Iteration 0
1363 Current Iteration Started: 2019-01-08 10:33:16
1364 Time since iteration started: 7 minutes, 48.00 seconds
1365 Time since calibration started: 7 minutes, 48.00 seconds
1366
1367 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1368 {'Running': 30}
1369
1370
1371 Calibration: Zambia--0.02--rep3--FS
1372 Calibration started: 2019-01-08 10:33:16
1373 Current iteration: Iteration 0
1374 Current Iteration Started: 2019-01-08 10:33:16
1375 Time since iteration started: 8 minutes
1376 Time since calibration started: 8 minutes
1377
1378 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1379 {'Running': 30}
1380
1381
1382 Calibration: Zambia--0.02--rep3--FS
1383 Calibration started: 2019-01-08 10:33:16
1384 Current iteration: Iteration 0
1385 Current Iteration Started: 2019-01-08 10:33:16
1386 Time since iteration started: 8 minutes, 12.00 seconds
1387 Time since calibration started: 8 minutes, 12.00 seconds
1388
1389 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1390 {'Running': 30}
1391
1392
1393 Calibration: Zambia--0.02--rep3--FS
1394 Calibration started: 2019-01-08 10:33:16
1395 Current iteration: Iteration 0
1396 Current Iteration Started: 2019-01-08 10:33:16
1397 Time since iteration started: 8 minutes, 24.00 seconds
1398 Time since calibration started: 8 minutes, 24.00 seconds
1399
1400 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1401 {'Running': 30}
```

```
1402
1403
1404 Calibration: Zambia--0.02--rep3--FS
1405 Calibration started: 2019-01-08 10:33:16
1406 Current iteration: Iteration 0
1407 Current Iteration Started: 2019-01-08 10:33:16
1408 Time since iteration started: 8 minutes, 35.00 seconds
1409 Time since calibration started: 8 minutes, 35.00 seconds
1410
1411 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1412 {'Running': 30}
1413
1414
1415 Calibration: Zambia--0.02--rep3--FS
1416 Calibration started: 2019-01-08 10:33:16
1417 Current iteration: Iteration 0
1418 Current Iteration Started: 2019-01-08 10:33:16
1419 Time since iteration started: 8 minutes, 47.00 seconds
1420 Time since calibration started: 8 minutes, 47.00 seconds
1421
1422 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1423 {'Running': 30}
1424
1425
1426 Calibration: Zambia--0.02--rep3--FS
1427 Calibration started: 2019-01-08 10:33:16
1428 Current iteration: Iteration 0
1429 Current Iteration Started: 2019-01-08 10:33:16
1430 Time since iteration started: 8 minutes, 58.00 seconds
1431 Time since calibration started: 8 minutes, 58.00 seconds
1432
1433 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1434 {'Running': 30}
1435
1436
1437 Calibration: Zambia--0.02--rep3--FS
1438 Calibration started: 2019-01-08 10:33:16
1439 Current iteration: Iteration 0
1440 Current Iteration Started: 2019-01-08 10:33:16
1441 Time since iteration started: 9 minutes, 10.00 seconds
1442 Time since calibration started: 9 minutes, 10.00 seconds
1443
```

```
1444 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1445 {'Running': 30}
1446
1447
1448 Calibration: Zambia--0.02--rep3--FS
1449 Calibration started: 2019-01-08 10:33:16
1450 Current iteration: Iteration 0
1451 Current Iteration Started: 2019-01-08 10:33:16
1452 Time since iteration started: 9 minutes, 22.00 seconds
1453 Time since calibration started: 9 minutes, 22.00 seconds
1454
1455 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1456 {'Running': 30}
1457
1458
1459 Calibration: Zambia--0.02--rep3--FS
1460 Calibration started: 2019-01-08 10:33:16
1461 Current iteration: Iteration 0
1462 Current Iteration Started: 2019-01-08 10:33:16
1463 Time since iteration started: 9 minutes, 33.00 seconds
1464 Time since calibration started: 9 minutes, 33.00 seconds
1465
1466 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1467 {'Running': 30}
1468
1469
1470 Calibration: Zambia--0.02--rep3--FS
1471 Calibration started: 2019-01-08 10:33:16
1472 Current iteration: Iteration 0
1473 Current Iteration Started: 2019-01-08 10:33:16
1474 Time since iteration started: 9 minutes, 45.00 seconds
1475 Time since calibration started: 9 minutes, 45.00 seconds
1476
1477 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1478 {'Running': 30}
1479
1480
1481 Calibration: Zambia--0.02--rep3--FS
1482 Calibration started: 2019-01-08 10:33:16
1483 Current iteration: Iteration 0
1484 Current Iteration Started: 2019-01-08 10:33:16
```

```
1485 Time since iteration started: 9 minutes, 56.00 seconds
1486 Time since calibration started: 9 minutes, 56.00 seconds
1487
1488 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1489 {'Running': 30}
1490
1491
1492 Calibration: Zambia--0.02--rep3--FS
1493 Calibration started: 2019-01-08 10:33:16
1494 Current iteration: Iteration 0
1495 Current Iteration Started: 2019-01-08 10:33:16
1496 Time since iteration started: 10 minutes, 9.00 seconds
1497 Time since calibration started: 10 minutes, 9.00 seconds
1498
1499 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1500 {'Running': 30}
1501
1502
1503 Calibration: Zambia--0.02--rep3--FS
1504 Calibration started: 2019-01-08 10:33:16
1505 Current iteration: Iteration 0
1506 Current Iteration Started: 2019-01-08 10:33:16
1507 Time since iteration started: 10 minutes, 21.00 seconds
1508 Time since calibration started: 10 minutes, 21.00
    seconds
1509
1510 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1511 {'Running': 30}
1512
1513
1514 Calibration: Zambia--0.02--rep3--FS
1515 Calibration started: 2019-01-08 10:33:16
1516 Current iteration: Iteration 0
1517 Current Iteration Started: 2019-01-08 10:33:16
1518 Time since iteration started: 10 minutes, 32.00 seconds
1519 Time since calibration started: 10 minutes, 32.00
    seconds
1520
1521 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1522 {'Running': 30}
1523
```

```
1524
1525 Calibration: Zambia--0.02--rep3--FS
1526 Calibration started: 2019-01-08 10:33:16
1527 Current iteration: Iteration 0
1528 Current Iteration Started: 2019-01-08 10:33:16
1529 Time since iteration started: 10 minutes, 44.00 seconds
1530 Time since calibration started: 10 minutes, 44.00
    seconds
1531
1532 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1533 {'Running': 30}
1534
1535
1536 Calibration: Zambia--0.02--rep3--FS
1537 Calibration started: 2019-01-08 10:33:16
1538 Current iteration: Iteration 0
1539 Current Iteration Started: 2019-01-08 10:33:16
1540 Time since iteration started: 10 minutes, 55.00 seconds
1541 Time since calibration started: 10 minutes, 55.00
    seconds
1542
1543 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1544 {'Running': 30}
1545
1546
1547 Calibration: Zambia--0.02--rep3--FS
1548 Calibration started: 2019-01-08 10:33:16
1549 Current iteration: Iteration 0
1550 Current Iteration Started: 2019-01-08 10:33:16
1551 Time since iteration started: 11 minutes, 7.00 seconds
1552 Time since calibration started: 11 minutes, 7.00 seconds
1553
1554 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1555 {'Running': 30}
1556
1557
1558 Calibration: Zambia--0.02--rep3--FS
1559 Calibration started: 2019-01-08 10:33:16
1560 Current iteration: Iteration 0
1561 Current Iteration Started: 2019-01-08 10:33:16
1562 Time since iteration started: 11 minutes, 19.00 seconds
1563 Time since calibration started: 11 minutes, 19.00
```

```
1563 seconds
1564
1565 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1566 {'Running': 30}
1567
1568
1569 Calibration: Zambia--0.02--rep3--FS
1570 Calibration started: 2019-01-08 10:33:16
1571 Current iteration: Iteration 0
1572 Current Iteration Started: 2019-01-08 10:33:16
1573 Time since iteration started: 11 minutes, 30.00 seconds
1574 Time since calibration started: 11 minutes, 30.00
    seconds
1575
1576 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1577 {'Running': 30}
1578
1579
1580 Calibration: Zambia--0.02--rep3--FS
1581 Calibration started: 2019-01-08 10:33:16
1582 Current iteration: Iteration 0
1583 Current Iteration Started: 2019-01-08 10:33:16
1584 Time since iteration started: 11 minutes, 42.00 seconds
1585 Time since calibration started: 11 minutes, 42.00
    seconds
1586
1587 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1588 {'Running': 30}
1589
1590
1591 Calibration: Zambia--0.02--rep3--FS
1592 Calibration started: 2019-01-08 10:33:16
1593 Current iteration: Iteration 0
1594 Current Iteration Started: 2019-01-08 10:33:16
1595 Time since iteration started: 11 minutes, 55.00 seconds
1596 Time since calibration started: 11 minutes, 55.00
    seconds
1597
1598 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
1599 {'Running': 30}
1600
```

```
1601
1602 Calibration: Zambia--0.02--rep3--FS
1603 Calibration started: 2019-01-08 10:33:16
1604 Current iteration: Iteration 0
1605 Current Iteration Started: 2019-01-08 10:33:16
1606 Time since iteration started: 12 minutes, 7.00 seconds
1607 Time since calibration started: 12 minutes, 7.00 seconds
1608
1609 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1610 {'Running': 30}
1611
1612
1613 Calibration: Zambia--0.02--rep3--FS
1614 Calibration started: 2019-01-08 10:33:16
1615 Current iteration: Iteration 0
1616 Current Iteration Started: 2019-01-08 10:33:16
1617 Time since iteration started: 12 minutes, 18.00 seconds
1618 Time since calibration started: 12 minutes, 18.00
    seconds
1619
1620 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1621 {'Running': 30}
1622
1623
1624 Calibration: Zambia--0.02--rep3--FS
1625 Calibration started: 2019-01-08 10:33:16
1626 Current iteration: Iteration 0
1627 Current Iteration Started: 2019-01-08 10:33:16
1628 Time since iteration started: 12 minutes, 30.00 seconds
1629 Time since calibration started: 12 minutes, 30.00
    seconds
1630
1631 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1632 {'Running': 30}
1633
1634
1635 Calibration: Zambia--0.02--rep3--FS
1636 Calibration started: 2019-01-08 10:33:16
1637 Current iteration: Iteration 0
1638 Current Iteration Started: 2019-01-08 10:33:16
1639 Time since iteration started: 12 minutes, 42.00 seconds
1640 Time since calibration started: 12 minutes, 42.00
```

```
1640 seconds
1641
1642 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1643 {'Running': 30}
1644
1645
1646 Calibration: Zambia--0.02--rep3--FS
1647 Calibration started: 2019-01-08 10:33:16
1648 Current iteration: Iteration 0
1649 Current Iteration Started: 2019-01-08 10:33:16
1650 Time since iteration started: 12 minutes, 53.00 seconds
1651 Time since calibration started: 12 minutes, 53.00
    seconds
1652
1653 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1654 {'Running': 30}
1655
1656
1657 Calibration: Zambia--0.02--rep3--FS
1658 Calibration started: 2019-01-08 10:33:16
1659 Current iteration: Iteration 0
1660 Current Iteration Started: 2019-01-08 10:33:16
1661 Time since iteration started: 13 minutes, 5.00 seconds
1662 Time since calibration started: 13 minutes, 5.00 seconds
1663
1664 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1665 {'Running': 30}
1666
1667
1668 Calibration: Zambia--0.02--rep3--FS
1669 Calibration started: 2019-01-08 10:33:16
1670 Current iteration: Iteration 0
1671 Current Iteration Started: 2019-01-08 10:33:16
1672 Time since iteration started: 13 minutes, 16.00 seconds
1673 Time since calibration started: 13 minutes, 16.00
    seconds
1674
1675 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1676 {'Running': 30}
1677
1678
```

```
1679 Calibration: Zambia--0.02--rep3--FS
1680 Calibration started: 2019-01-08 10:33:16
1681 Current iteration: Iteration 0
1682 Current Iteration Started: 2019-01-08 10:33:16
1683 Time since iteration started: 13 minutes, 28.00 seconds
1684 Time since calibration started: 13 minutes, 28.00
    seconds
1685
1686 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1687 {'Running': 30}
1688
1689
1690 Calibration: Zambia--0.02--rep3--FS
1691 Calibration started: 2019-01-08 10:33:16
1692 Current iteration: Iteration 0
1693 Current Iteration Started: 2019-01-08 10:33:16
1694 Time since iteration started: 13 minutes, 41.00 seconds
1695 Time since calibration started: 13 minutes, 41.00
    seconds
1696
1697 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1698 {'Running': 30}
1699
1700
1701 Calibration: Zambia--0.02--rep3--FS
1702 Calibration started: 2019-01-08 10:33:16
1703 Current iteration: Iteration 0
1704 Current Iteration Started: 2019-01-08 10:33:16
1705 Time since iteration started: 13 minutes, 53.00 seconds
1706 Time since calibration started: 13 minutes, 53.00
    seconds
1707
1708 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1709 {'Running': 30}
1710
1711
1712 Calibration: Zambia--0.02--rep3--FS
1713 Calibration started: 2019-01-08 10:33:16
1714 Current iteration: Iteration 0
1715 Current Iteration Started: 2019-01-08 10:33:16
1716 Time since iteration started: 14 minutes, 4.00 seconds
1717 Time since calibration started: 14 minutes, 4.00 seconds
```

```
1718
1719 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1720 {'Running': 30}
1721
1722
1723 Calibration: Zambia--0.02--rep3--FS
1724 Calibration started: 2019-01-08 10:33:16
1725 Current iteration: Iteration 0
1726 Current Iteration Started: 2019-01-08 10:33:16
1727 Time since iteration started: 14 minutes, 16.00 seconds
1728 Time since calibration started: 14 minutes, 16.00
    seconds
1729
1730 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1731 {'Running': 30}
1732
1733
1734 Calibration: Zambia--0.02--rep3--FS
1735 Calibration started: 2019-01-08 10:33:16
1736 Current iteration: Iteration 0
1737 Current Iteration Started: 2019-01-08 10:33:16
1738 Time since iteration started: 14 minutes, 27.00 seconds
1739 Time since calibration started: 14 minutes, 27.00
    seconds
1740
1741 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1742 {'Running': 30}
1743
1744
1745 Calibration: Zambia--0.02--rep3--FS
1746 Calibration started: 2019-01-08 10:33:16
1747 Current iteration: Iteration 0
1748 Current Iteration Started: 2019-01-08 10:33:16
1749 Time since iteration started: 14 minutes, 39.00 seconds
1750 Time since calibration started: 14 minutes, 39.00
    seconds
1751
1752 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1753 {'Running': 30}
1754
1755
```

```
1756 Calibration: Zambia--0.02--rep3--FS
1757 Calibration started: 2019-01-08 10:33:16
1758 Current iteration: Iteration 0
1759 Current Iteration Started: 2019-01-08 10:33:16
1760 Time since iteration started: 14 minutes, 51.00 seconds
1761 Time since calibration started: 14 minutes, 51.00
    seconds
1762
1763 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1764 {'Running': 30}
1765
1766
1767 Calibration: Zambia--0.02--rep3--FS
1768 Calibration started: 2019-01-08 10:33:16
1769 Current iteration: Iteration 0
1770 Current Iteration Started: 2019-01-08 10:33:16
1771 Time since iteration started: 15 minutes, 2.00 seconds
1772 Time since calibration started: 15 minutes, 2.00 seconds
1773
1774 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1775 {'Running': 30}
1776
1777
1778 Calibration: Zambia--0.02--rep3--FS
1779 Calibration started: 2019-01-08 10:33:16
1780 Current iteration: Iteration 0
1781 Current Iteration Started: 2019-01-08 10:33:16
1782 Time since iteration started: 15 minutes, 14.00 seconds
1783 Time since calibration started: 15 minutes, 14.00
    seconds
1784
1785 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1786 {'Running': 30}
1787
1788
1789 Calibration: Zambia--0.02--rep3--FS
1790 Calibration started: 2019-01-08 10:33:16
1791 Current iteration: Iteration 0
1792 Current Iteration Started: 2019-01-08 10:33:16
1793 Time since iteration started: 15 minutes, 26.00 seconds
1794 Time since calibration started: 15 minutes, 26.00
    seconds
```

```
1795
1796 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1797 {'Running': 30}
1798
1799
1800 Calibration: Zambia--0.02--rep3--FS
1801 Calibration started: 2019-01-08 10:33:16
1802 Current iteration: Iteration 0
1803 Current Iteration Started: 2019-01-08 10:33:16
1804 Time since iteration started: 15 minutes, 37.00 seconds
1805 Time since calibration started: 15 minutes, 37.00
    seconds
1806
1807 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1808 {'Running': 30}
1809
1810
1811 Calibration: Zambia--0.02--rep3--FS
1812 Calibration started: 2019-01-08 10:33:16
1813 Current iteration: Iteration 0
1814 Current Iteration Started: 2019-01-08 10:33:16
1815 Time since iteration started: 15 minutes, 49.00 seconds
1816 Time since calibration started: 15 minutes, 49.00
    seconds
1817
1818 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1819 {'Running': 30}
1820
1821
1822 Calibration: Zambia--0.02--rep3--FS
1823 Calibration started: 2019-01-08 10:33:16
1824 Current iteration: Iteration 0
1825 Current Iteration Started: 2019-01-08 10:33:16
1826 Time since iteration started: 16 minutes, 1.00 second
1827 Time since calibration started: 16 minutes, 1.00 second
1828
1829 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1830 {'Running': 30}
1831
1832
1833 Calibration: Zambia--0.02--rep3--FS
```

```
1834 Calibration started: 2019-01-08 10:33:16
1835 Current iteration: Iteration 0
1836 Current Iteration Started: 2019-01-08 10:33:16
1837 Time since iteration started: 16 minutes, 12.00 seconds
1838 Time since calibration started: 16 minutes, 12.00
    seconds
1839
1840 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1841 {'Running': 30}
1842
1843
1844 Calibration: Zambia--0.02--rep3--FS
1845 Calibration started: 2019-01-08 10:33:16
1846 Current iteration: Iteration 0
1847 Current Iteration Started: 2019-01-08 10:33:16
1848 Time since iteration started: 16 minutes, 24.00 seconds
1849 Time since calibration started: 16 minutes, 24.00
    seconds
1850
1851 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1852 {'Running': 30}
1853
1854
1855 Calibration: Zambia--0.02--rep3--FS
1856 Calibration started: 2019-01-08 10:33:16
1857 Current iteration: Iteration 0
1858 Current Iteration Started: 2019-01-08 10:33:16
1859 Time since iteration started: 16 minutes, 35.00 seconds
1860 Time since calibration started: 16 minutes, 35.00
    seconds
1861
1862 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1863 {'Running': 30}
1864
1865
1866 Calibration: Zambia--0.02--rep3--FS
1867 Calibration started: 2019-01-08 10:33:16
1868 Current iteration: Iteration 0
1869 Current Iteration Started: 2019-01-08 10:33:16
1870 Time since iteration started: 16 minutes, 47.00 seconds
1871 Time since calibration started: 16 minutes, 47.00
    seconds
```

```
1872
1873 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1874 {'Running': 30}
1875
1876
1877 Calibration: Zambia--0.02--rep3--FS
1878 Calibration started: 2019-01-08 10:33:16
1879 Current iteration: Iteration 0
1880 Current Iteration Started: 2019-01-08 10:33:16
1881 Time since iteration started: 16 minutes, 59.00 seconds
1882 Time since calibration started: 16 minutes, 59.00
    seconds
1883
1884 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1885 {'Running': 30}
1886
1887
1888 Calibration: Zambia--0.02--rep3--FS
1889 Calibration started: 2019-01-08 10:33:16
1890 Current iteration: Iteration 0
1891 Current Iteration Started: 2019-01-08 10:33:16
1892 Time since iteration started: 17 minutes, 11.00 seconds
1893 Time since calibration started: 17 minutes, 11.00
    seconds
1894
1895 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1896 {'Running': 30}
1897
1898
1899 Calibration: Zambia--0.02--rep3--FS
1900 Calibration started: 2019-01-08 10:33:16
1901 Current iteration: Iteration 0
1902 Current Iteration Started: 2019-01-08 10:33:16
1903 Time since iteration started: 17 minutes, 23.00 seconds
1904 Time since calibration started: 17 minutes, 23.00
    seconds
1905
1906 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1907 {'Running': 30}
1908
1909
```

```
1910 Calibration: Zambia--0.02--rep3--FS
1911 Calibration started: 2019-01-08 10:33:16
1912 Current iteration: Iteration 0
1913 Current Iteration Started: 2019-01-08 10:33:16
1914 Time since iteration started: 17 minutes, 35.00 seconds
1915 Time since calibration started: 17 minutes, 35.00
    seconds
1916
1917 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1918 {'Running': 30}
1919
1920
1921 Calibration: Zambia--0.02--rep3--FS
1922 Calibration started: 2019-01-08 10:33:16
1923 Current iteration: Iteration 0
1924 Current Iteration Started: 2019-01-08 10:33:16
1925 Time since iteration started: 17 minutes, 46.00 seconds
1926 Time since calibration started: 17 minutes, 46.00
    seconds
1927
1928 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1929 {'Running': 30}
1930
1931
1932 Calibration: Zambia--0.02--rep3--FS
1933 Calibration started: 2019-01-08 10:33:16
1934 Current iteration: Iteration 0
1935 Current Iteration Started: 2019-01-08 10:33:16
1936 Time since iteration started: 17 minutes, 58.00 seconds
1937 Time since calibration started: 17 minutes, 58.00
    seconds
1938
1939 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1940 {'Running': 30}
1941
1942
1943 Calibration: Zambia--0.02--rep3--FS
1944 Calibration started: 2019-01-08 10:33:16
1945 Current iteration: Iteration 0
1946 Current Iteration Started: 2019-01-08 10:33:16
1947 Time since iteration started: 18 minutes, 9.00 seconds
1948 Time since calibration started: 18 minutes, 9.00 seconds
```

```
1949
1950 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1951 {'Running': 30}
1952
1953
1954 Calibration: Zambia--0.02--rep3--FS
1955 Calibration started: 2019-01-08 10:33:16
1956 Current iteration: Iteration 0
1957 Current Iteration Started: 2019-01-08 10:33:16
1958 Time since iteration started: 18 minutes, 21.00 seconds
1959 Time since calibration started: 18 minutes, 21.00
    seconds
1960
1961 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1962 {'Running': 30}
1963
1964
1965 Calibration: Zambia--0.02--rep3--FS
1966 Calibration started: 2019-01-08 10:33:16
1967 Current iteration: Iteration 0
1968 Current Iteration Started: 2019-01-08 10:33:16
1969 Time since iteration started: 18 minutes, 33.00 seconds
1970 Time since calibration started: 18 minutes, 33.00
    seconds
1971
1972 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1973 {'Running': 30}
1974
1975
1976 Calibration: Zambia--0.02--rep3--FS
1977 Calibration started: 2019-01-08 10:33:16
1978 Current iteration: Iteration 0
1979 Current Iteration Started: 2019-01-08 10:33:16
1980 Time since iteration started: 18 minutes, 44.00 seconds
1981 Time since calibration started: 18 minutes, 44.00
    seconds
1982
1983 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1984 {'Running': 30}
1985
1986
```

```
1987 Calibration: Zambia--0.02--rep3--FS
1988 Calibration started: 2019-01-08 10:33:16
1989 Current iteration: Iteration 0
1990 Current Iteration Started: 2019-01-08 10:33:16
1991 Time since iteration started: 18 minutes, 56.00 seconds
1992 Time since calibration started: 18 minutes, 56.00
    seconds
1993
1994 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
1995 {'Running': 30}
1996
1997
1998 Calibration: Zambia--0.02--rep3--FS
1999 Calibration started: 2019-01-08 10:33:16
2000 Current iteration: Iteration 0
2001 Current Iteration Started: 2019-01-08 10:33:16
2002 Time since iteration started: 19 minutes, 8.00 seconds
2003 Time since calibration started: 19 minutes, 8.00 seconds
2004
2005 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2006 {'Running': 30}
2007
2008
2009 Calibration: Zambia--0.02--rep3--FS
2010 Calibration started: 2019-01-08 10:33:16
2011 Current iteration: Iteration 0
2012 Current Iteration Started: 2019-01-08 10:33:16
2013 Time since iteration started: 19 minutes, 19.00 seconds
2014 Time since calibration started: 19 minutes, 19.00
    seconds
2015
2016 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2017 {'Running': 30}
2018
2019
2020 Calibration: Zambia--0.02--rep3--FS
2021 Calibration started: 2019-01-08 10:33:16
2022 Current iteration: Iteration 0
2023 Current Iteration Started: 2019-01-08 10:33:16
2024 Time since iteration started: 19 minutes, 31.00 seconds
2025 Time since calibration started: 19 minutes, 31.00
    seconds
```

```
2026
2027 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2028 {'Running': 30}
2029
2030
2031 Calibration: Zambia--0.02--rep3--FS
2032 Calibration started: 2019-01-08 10:33:16
2033 Current iteration: Iteration 0
2034 Current Iteration Started: 2019-01-08 10:33:16
2035 Time since iteration started: 19 minutes, 43.00 seconds
2036 Time since calibration started: 19 minutes, 43.00
    seconds
2037
2038 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2039 {'Running': 30}
2040
2041
2042 Calibration: Zambia--0.02--rep3--FS
2043 Calibration started: 2019-01-08 10:33:16
2044 Current iteration: Iteration 0
2045 Current Iteration Started: 2019-01-08 10:33:16
2046 Time since iteration started: 19 minutes, 54.00 seconds
2047 Time since calibration started: 19 minutes, 54.00
    seconds
2048
2049 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2050 {'Running': 30}
2051
2052
2053 Calibration: Zambia--0.02--rep3--FS
2054 Calibration started: 2019-01-08 10:33:16
2055 Current iteration: Iteration 0
2056 Current Iteration Started: 2019-01-08 10:33:16
2057 Time since iteration started: 20 minutes, 6.00 seconds
2058 Time since calibration started: 20 minutes, 6.00 seconds
2059
2060 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2061 {'Running': 30}
2062
2063
2064 Calibration: Zambia--0.02--rep3--FS
```

```
2065 Calibration started: 2019-01-08 10:33:16
2066 Current iteration: Iteration 0
2067 Current Iteration Started: 2019-01-08 10:33:16
2068 Time since iteration started: 20 minutes, 17.00 seconds
2069 Time since calibration started: 20 minutes, 17.00
    seconds
2070
2071 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2072 {'Running': 30}
2073
2074
2075 Calibration: Zambia--0.02--rep3--FS
2076 Calibration started: 2019-01-08 10:33:16
2077 Current iteration: Iteration 0
2078 Current Iteration Started: 2019-01-08 10:33:16
2079 Time since iteration started: 20 minutes, 29.00 seconds
2080 Time since calibration started: 20 minutes, 29.00
    seconds
2081
2082 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2083 {'Running': 30}
2084
2085
2086 Calibration: Zambia--0.02--rep3--FS
2087 Calibration started: 2019-01-08 10:33:16
2088 Current iteration: Iteration 0
2089 Current Iteration Started: 2019-01-08 10:33:16
2090 Time since iteration started: 20 minutes, 41.00 seconds
2091 Time since calibration started: 20 minutes, 41.00
    seconds
2092
2093 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2094 {'Running': 30}
2095
2096
2097 Calibration: Zambia--0.02--rep3--FS
2098 Calibration started: 2019-01-08 10:33:16
2099 Current iteration: Iteration 0
2100 Current Iteration Started: 2019-01-08 10:33:16
2101 Time since iteration started: 20 minutes, 53.00 seconds
2102 Time since calibration started: 20 minutes, 53.00
    seconds
```

```
2103
2104 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2105 {'Running': 30}
2106
2107
2108 Calibration: Zambia--0.02--rep3--FS
2109 Calibration started: 2019-01-08 10:33:16
2110 Current iteration: Iteration 0
2111 Current Iteration Started: 2019-01-08 10:33:16
2112 Time since iteration started: 21 minutes, 5.00 seconds
2113 Time since calibration started: 21 minutes, 5.00 seconds
2114
2115 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2116 {'Running': 30}
2117
2118
2119 Calibration: Zambia--0.02--rep3--FS
2120 Calibration started: 2019-01-08 10:33:16
2121 Current iteration: Iteration 0
2122 Current Iteration Started: 2019-01-08 10:33:16
2123 Time since iteration started: 21 minutes, 17.00 seconds
2124 Time since calibration started: 21 minutes, 17.00
    seconds
2125
2126 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2127 {'Running': 30}
2128
2129
2130 Calibration: Zambia--0.02--rep3--FS
2131 Calibration started: 2019-01-08 10:33:16
2132 Current iteration: Iteration 0
2133 Current Iteration Started: 2019-01-08 10:33:16
2134 Time since iteration started: 21 minutes, 29.00 seconds
2135 Time since calibration started: 21 minutes, 29.00
    seconds
2136
2137 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2138 {'Running': 30}
2139
2140
2141 Calibration: Zambia--0.02--rep3--FS
```

```
2142 Calibration started: 2019-01-08 10:33:16
2143 Current iteration: Iteration 0
2144 Current Iteration Started: 2019-01-08 10:33:16
2145 Time since iteration started: 21 minutes, 40.00 seconds
2146 Time since calibration started: 21 minutes, 40.00
    seconds
2147
2148 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2149 {'Running': 30}
2150
2151
2152 Calibration: Zambia--0.02--rep3--FS
2153 Calibration started: 2019-01-08 10:33:16
2154 Current iteration: Iteration 0
2155 Current Iteration Started: 2019-01-08 10:33:16
2156 Time since iteration started: 21 minutes, 52.00 seconds
2157 Time since calibration started: 21 minutes, 52.00
    seconds
2158
2159 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2160 {'Running': 30}
2161
2162
2163 Calibration: Zambia--0.02--rep3--FS
2164 Calibration started: 2019-01-08 10:33:16
2165 Current iteration: Iteration 0
2166 Current Iteration Started: 2019-01-08 10:33:16
2167 Time since iteration started: 22 minutes, 4.00 seconds
2168 Time since calibration started: 22 minutes, 4.00 seconds
2169
2170 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2171 {'Running': 30}
2172
2173
2174 Calibration: Zambia--0.02--rep3--FS
2175 Calibration started: 2019-01-08 10:33:16
2176 Current iteration: Iteration 0
2177 Current Iteration Started: 2019-01-08 10:33:16
2178 Time since iteration started: 22 minutes, 15.00 seconds
2179 Time since calibration started: 22 minutes, 15.00
    seconds
2180
```

```
2181 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2182 {'Running': 30}
2183
2184
2185 Calibration: Zambia--0.02--rep3--FS
2186 Calibration started: 2019-01-08 10:33:16
2187 Current iteration: Iteration 0
2188 Current Iteration Started: 2019-01-08 10:33:16
2189 Time since iteration started: 22 minutes, 27.00 seconds
2190 Time since calibration started: 22 minutes, 27.00
    seconds
2191
2192 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2193 {'Running': 30}
2194
2195
2196 Calibration: Zambia--0.02--rep3--FS
2197 Calibration started: 2019-01-08 10:33:16
2198 Current iteration: Iteration 0
2199 Current Iteration Started: 2019-01-08 10:33:16
2200 Time since iteration started: 22 minutes, 38.00 seconds
2201 Time since calibration started: 22 minutes, 38.00
    seconds
2202
2203 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2204 {'Running': 30}
2205
2206
2207 Calibration: Zambia--0.02--rep3--FS
2208 Calibration started: 2019-01-08 10:33:16
2209 Current iteration: Iteration 0
2210 Current Iteration Started: 2019-01-08 10:33:16
2211 Time since iteration started: 22 minutes, 50.00 seconds
2212 Time since calibration started: 22 minutes, 50.00
    seconds
2213
2214 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2215 {'Running': 30}
2216
2217
2218 Calibration: Zambia--0.02--rep3--FS
```

```
2219 Calibration started: 2019-01-08 10:33:16
2220 Current iteration: Iteration 0
2221 Current Iteration Started: 2019-01-08 10:33:16
2222 Time since iteration started: 23 minutes, 2.00 seconds
2223 Time since calibration started: 23 minutes, 2.00 seconds
2224
2225 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2226 {'Running': 28, 'Succeeded': 2}
2227
2228
2229 Calibration: Zambia--0.02--rep3--FS
2230 Calibration started: 2019-01-08 10:33:16
2231 Current iteration: Iteration 0
2232 Current Iteration Started: 2019-01-08 10:33:16
2233 Time since iteration started: 23 minutes, 14.00 seconds
2234 Time since calibration started: 23 minutes, 14.00
seconds
2235
2236 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2237 {'Running': 26, 'Succeeded': 4}
2238
2239
2240 Calibration: Zambia--0.02--rep3--FS
2241 Calibration started: 2019-01-08 10:33:16
2242 Current iteration: Iteration 0
2243 Current Iteration Started: 2019-01-08 10:33:16
2244 Time since iteration started: 23 minutes, 25.00 seconds
2245 Time since calibration started: 23 minutes, 25.00
seconds
2246
2247 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2248 {'Running': 24, 'Succeeded': 6}
2249
2250
2251 Calibration: Zambia--0.02--rep3--FS
2252 Calibration started: 2019-01-08 10:33:16
2253 Current iteration: Iteration 0
2254 Current Iteration Started: 2019-01-08 10:33:16
2255 Time since iteration started: 23 minutes, 37.00 seconds
2256 Time since calibration started: 23 minutes, 37.00
seconds
2257
```

```
2258 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2259 {'Running': 22, 'Succeeded': 8}
2260
2261
2262 Calibration: Zambia--0.02--rep3--FS
2263 Calibration started: 2019-01-08 10:33:16
2264 Current iteration: Iteration 0
2265 Current Iteration Started: 2019-01-08 10:33:16
2266 Time since iteration started: 23 minutes, 49.00 seconds
2267 Time since calibration started: 23 minutes, 49.00
    seconds
2268
2269 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2270 {'Running': 22, 'Succeeded': 8}
2271
2272
2273 Calibration: Zambia--0.02--rep3--FS
2274 Calibration started: 2019-01-08 10:33:16
2275 Current iteration: Iteration 0
2276 Current Iteration Started: 2019-01-08 10:33:16
2277 Time since iteration started: 24 minutes
2278 Time since calibration started: 24 minutes
2279
2280 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2281 {'Running': 21, 'Succeeded': 9}
2282
2283
2284 Calibration: Zambia--0.02--rep3--FS
2285 Calibration started: 2019-01-08 10:33:16
2286 Current iteration: Iteration 0
2287 Current Iteration Started: 2019-01-08 10:33:16
2288 Time since iteration started: 24 minutes, 12.00 seconds
2289 Time since calibration started: 24 minutes, 12.00
    seconds
2290
2291 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2292 {'Running': 21, 'Succeeded': 9}
2293
2294
2295 Calibration: Zambia--0.02--rep3--FS
2296 Calibration started: 2019-01-08 10:33:16
```

```
2297 Current iteration: Iteration 0
2298 Current Iteration Started: 2019-01-08 10:33:16
2299 Time since iteration started: 24 minutes, 23.00 seconds
2300 Time since calibration started: 24 minutes, 23.00
    seconds
2301
2302 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2303 {'Running': 21, 'Succeeded': 9}
2304
2305
2306 Calibration: Zambia--0.02--rep3--FS
2307 Calibration started: 2019-01-08 10:33:16
2308 Current iteration: Iteration 0
2309 Current Iteration Started: 2019-01-08 10:33:16
2310 Time since iteration started: 24 minutes, 35.00 seconds
2311 Time since calibration started: 24 minutes, 35.00
    seconds
2312
2313 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2314 {'Running': 21, 'Succeeded': 9}
2315
2316
2317 Calibration: Zambia--0.02--rep3--FS
2318 Calibration started: 2019-01-08 10:33:16
2319 Current iteration: Iteration 0
2320 Current Iteration Started: 2019-01-08 10:33:16
2321 Time since iteration started: 24 minutes, 47.00 seconds
2322 Time since calibration started: 24 minutes, 47.00
    seconds
2323
2324 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2325 {'Running': 21, 'Succeeded': 9}
2326
2327
2328 Calibration: Zambia--0.02--rep3--FS
2329 Calibration started: 2019-01-08 10:33:16
2330 Current iteration: Iteration 0
2331 Current Iteration Started: 2019-01-08 10:33:16
2332 Time since iteration started: 24 minutes, 58.00 seconds
2333 Time since calibration started: 24 minutes, 58.00
    seconds
2334
```

```
2335 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2336 {'Running': 21, 'Succeeded': 9}
2337
2338
2339 Calibration: Zambia--0.02--rep3--FS
2340 Calibration started: 2019-01-08 10:33:16
2341 Current iteration: Iteration 0
2342 Current Iteration Started: 2019-01-08 10:33:16
2343 Time since iteration started: 25 minutes, 10.00 seconds
2344 Time since calibration started: 25 minutes, 10.00
    seconds
2345
2346 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2347 {'Running': 21, 'Succeeded': 9}
2348
2349
2350 Calibration: Zambia--0.02--rep3--FS
2351 Calibration started: 2019-01-08 10:33:16
2352 Current iteration: Iteration 0
2353 Current Iteration Started: 2019-01-08 10:33:16
2354 Time since iteration started: 25 minutes, 22.00 seconds
2355 Time since calibration started: 25 minutes, 22.00
    seconds
2356
2357 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2358 {'Running': 21, 'Succeeded': 9}
2359
2360
2361 Calibration: Zambia--0.02--rep3--FS
2362 Calibration started: 2019-01-08 10:33:16
2363 Current iteration: Iteration 0
2364 Current Iteration Started: 2019-01-08 10:33:16
2365 Time since iteration started: 25 minutes, 33.00 seconds
2366 Time since calibration started: 25 minutes, 33.00
    seconds
2367
2368 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2369 {'Running': 21, 'Succeeded': 9}
2370
2371
2372 Calibration: Zambia--0.02--rep3--FS
```

```
2373 Calibration started: 2019-01-08 10:33:16
2374 Current iteration: Iteration 0
2375 Current Iteration Started: 2019-01-08 10:33:16
2376 Time since iteration started: 25 minutes, 45.00 seconds
2377 Time since calibration started: 25 minutes, 45.00
    seconds
2378
2379 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2380 {'Running': 19, 'Succeeded': 11}
2381
2382
2383 Calibration: Zambia--0.02--rep3--FS
2384 Calibration started: 2019-01-08 10:33:16
2385 Current iteration: Iteration 0
2386 Current Iteration Started: 2019-01-08 10:33:16
2387 Time since iteration started: 25 minutes, 57.00 seconds
2388 Time since calibration started: 25 minutes, 57.00
    seconds
2389
2390 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2391 {'Running': 19, 'Succeeded': 11}
2392
2393
2394 Calibration: Zambia--0.02--rep3--FS
2395 Calibration started: 2019-01-08 10:33:16
2396 Current iteration: Iteration 0
2397 Current Iteration Started: 2019-01-08 10:33:16
2398 Time since iteration started: 26 minutes, 8.00 seconds
2399 Time since calibration started: 26 minutes, 8.00 seconds
2400
2401 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2402 {'Running': 19, 'Succeeded': 11}
2403
2404
2405 Calibration: Zambia--0.02--rep3--FS
2406 Calibration started: 2019-01-08 10:33:16
2407 Current iteration: Iteration 0
2408 Current Iteration Started: 2019-01-08 10:33:16
2409 Time since iteration started: 26 minutes, 20.00 seconds
2410 Time since calibration started: 26 minutes, 20.00
    seconds
2411
```

```
2412 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2413 {'Running': 19, 'Succeeded': 11}
2414
2415
2416 Calibration: Zambia--0.02--rep3--FS
2417 Calibration started: 2019-01-08 10:33:16
2418 Current iteration: Iteration 0
2419 Current Iteration Started: 2019-01-08 10:33:16
2420 Time since iteration started: 26 minutes, 32.00 seconds
2421 Time since calibration started: 26 minutes, 32.00
    seconds
2422
2423 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2424 {'Running': 19, 'Succeeded': 11}
2425
2426
2427 Calibration: Zambia--0.02--rep3--FS
2428 Calibration started: 2019-01-08 10:33:16
2429 Current iteration: Iteration 0
2430 Current Iteration Started: 2019-01-08 10:33:16
2431 Time since iteration started: 26 minutes, 43.00 seconds
2432 Time since calibration started: 26 minutes, 43.00
    seconds
2433
2434 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2435 {'Running': 19, 'Succeeded': 11}
2436
2437
2438 Calibration: Zambia--0.02--rep3--FS
2439 Calibration started: 2019-01-08 10:33:16
2440 Current iteration: Iteration 0
2441 Current Iteration Started: 2019-01-08 10:33:16
2442 Time since iteration started: 26 minutes, 55.00 seconds
2443 Time since calibration started: 26 minutes, 55.00
    seconds
2444
2445 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2446 {'Running': 19, 'Succeeded': 11}
2447
2448
2449 Calibration: Zambia--0.02--rep3--FS
```

```
2450 Calibration started: 2019-01-08 10:33:16
2451 Current iteration: Iteration 0
2452 Current Iteration Started: 2019-01-08 10:33:16
2453 Time since iteration started: 27 minutes, 7.00 seconds
2454 Time since calibration started: 27 minutes, 7.00 seconds
2455
2456 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2457 {'Running': 19, 'Succeeded': 11}
2458
2459
2460 Calibration: Zambia--0.02--rep3--FS
2461 Calibration started: 2019-01-08 10:33:16
2462 Current iteration: Iteration 0
2463 Current Iteration Started: 2019-01-08 10:33:16
2464 Time since iteration started: 27 minutes, 18.00 seconds
2465 Time since calibration started: 27 minutes, 18.00
seconds
2466
2467 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2468 {'Running': 19, 'Succeeded': 11}
2469
2470
2471 Calibration: Zambia--0.02--rep3--FS
2472 Calibration started: 2019-01-08 10:33:16
2473 Current iteration: Iteration 0
2474 Current Iteration Started: 2019-01-08 10:33:16
2475 Time since iteration started: 27 minutes, 30.00 seconds
2476 Time since calibration started: 27 minutes, 30.00
seconds
2477
2478 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2479 {'Running': 19, 'Succeeded': 11}
2480
2481
2482 Calibration: Zambia--0.02--rep3--FS
2483 Calibration started: 2019-01-08 10:33:16
2484 Current iteration: Iteration 0
2485 Current Iteration Started: 2019-01-08 10:33:16
2486 Time since iteration started: 27 minutes, 41.00 seconds
2487 Time since calibration started: 27 minutes, 41.00
seconds
2488
```

```
2489 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2490 {'Running': 19, 'Succeeded': 11}
2491
2492
2493 Calibration: Zambia--0.02--rep3--FS
2494 Calibration started: 2019-01-08 10:33:16
2495 Current iteration: Iteration 0
2496 Current Iteration Started: 2019-01-08 10:33:16
2497 Time since iteration started: 27 minutes, 53.00 seconds
2498 Time since calibration started: 27 minutes, 53.00
    seconds
2499
2500 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2501 {'Running': 19, 'Succeeded': 11}
2502
2503
2504 Calibration: Zambia--0.02--rep3--FS
2505 Calibration started: 2019-01-08 10:33:16
2506 Current iteration: Iteration 0
2507 Current Iteration Started: 2019-01-08 10:33:16
2508 Time since iteration started: 28 minutes, 5.00 seconds
2509 Time since calibration started: 28 minutes, 5.00 seconds
2510
2511 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2512 {'Running': 19, 'Succeeded': 11}
2513
2514
2515 Calibration: Zambia--0.02--rep3--FS
2516 Calibration started: 2019-01-08 10:33:16
2517 Current iteration: Iteration 0
2518 Current Iteration Started: 2019-01-08 10:33:16
2519 Time since iteration started: 28 minutes, 17.00 seconds
2520 Time since calibration started: 28 minutes, 17.00
    seconds
2521
2522 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2523 {'Running': 19, 'Succeeded': 11}
2524
2525
2526 Calibration: Zambia--0.02--rep3--FS
2527 Calibration started: 2019-01-08 10:33:16
```

```
2528 Current iteration: Iteration 0
2529 Current Iteration Started: 2019-01-08 10:33:16
2530 Time since iteration started: 28 minutes, 29.00 seconds
2531 Time since calibration started: 28 minutes, 29.00
    seconds
2532
2533 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2534 {'Running': 19, 'Succeeded': 11}
2535
2536
2537 Calibration: Zambia--0.02--rep3--FS
2538 Calibration started: 2019-01-08 10:33:16
2539 Current iteration: Iteration 0
2540 Current Iteration Started: 2019-01-08 10:33:16
2541 Time since iteration started: 28 minutes, 40.00 seconds
2542 Time since calibration started: 28 minutes, 40.00
    seconds
2543
2544 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2545 {'Running': 19, 'Succeeded': 11}
2546
2547
2548 Calibration: Zambia--0.02--rep3--FS
2549 Calibration started: 2019-01-08 10:33:16
2550 Current iteration: Iteration 0
2551 Current Iteration Started: 2019-01-08 10:33:16
2552 Time since iteration started: 28 minutes, 52.00 seconds
2553 Time since calibration started: 28 minutes, 52.00
    seconds
2554
2555 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2556 {'Running': 19, 'Succeeded': 11}
2557
2558
2559 Calibration: Zambia--0.02--rep3--FS
2560 Calibration started: 2019-01-08 10:33:16
2561 Current iteration: Iteration 0
2562 Current Iteration Started: 2019-01-08 10:33:16
2563 Time since iteration started: 29 minutes, 4.00 seconds
2564 Time since calibration started: 29 minutes, 4.00 seconds
2565
2566 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
```

```
2566 f0921c167866') states:  
2567 {'Running': 19, 'Succeeded': 11}  
2568  
2569  
2570 Calibration: Zambia--0.02--rep3--FS  
2571 Calibration started: 2019-01-08 10:33:16  
2572 Current iteration: Iteration 0  
2573 Current Iteration Started: 2019-01-08 10:33:16  
2574 Time since iteration started: 29 minutes, 15.00 seconds  
2575 Time since calibration started: 29 minutes, 15.00  
    seconds  
2576  
2577 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2578 {'Running': 19, 'Succeeded': 11}  
2579  
2580  
2581 Calibration: Zambia--0.02--rep3--FS  
2582 Calibration started: 2019-01-08 10:33:16  
2583 Current iteration: Iteration 0  
2584 Current Iteration Started: 2019-01-08 10:33:16  
2585 Time since iteration started: 29 minutes, 27.00 seconds  
2586 Time since calibration started: 29 minutes, 27.00  
    seconds  
2587  
2588 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2589 {'Running': 18, 'Succeeded': 12}  
2590  
2591  
2592 Calibration: Zambia--0.02--rep3--FS  
2593 Calibration started: 2019-01-08 10:33:16  
2594 Current iteration: Iteration 0  
2595 Current Iteration Started: 2019-01-08 10:33:16  
2596 Time since iteration started: 29 minutes, 39.00 seconds  
2597 Time since calibration started: 29 minutes, 39.00  
    seconds  
2598  
2599 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2600 {'Running': 18, 'Succeeded': 12}  
2601  
2602  
2603 Calibration: Zambia--0.02--rep3--FS  
2604 Calibration started: 2019-01-08 10:33:16
```

```
2605 Current iteration: Iteration 0
2606 Current Iteration Started: 2019-01-08 10:33:16
2607 Time since iteration started: 29 minutes, 50.00 seconds
2608 Time since calibration started: 29 minutes, 50.00
    seconds
2609
2610 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2611 {'Running': 18, 'Succeeded': 12}
2612
2613
2614 Calibration: Zambia--0.02--rep3--FS
2615 Calibration started: 2019-01-08 10:33:16
2616 Current iteration: Iteration 0
2617 Current Iteration Started: 2019-01-08 10:33:16
2618 Time since iteration started: 30 minutes, 3.00 seconds
2619 Time since calibration started: 30 minutes, 3.00 seconds
2620
2621 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2622 {'Running': 18, 'Succeeded': 12}
2623
2624
2625 Calibration: Zambia--0.02--rep3--FS
2626 Calibration started: 2019-01-08 10:33:16
2627 Current iteration: Iteration 0
2628 Current Iteration Started: 2019-01-08 10:33:16
2629 Time since iteration started: 30 minutes, 15.00 seconds
2630 Time since calibration started: 30 minutes, 15.00
    seconds
2631
2632 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2633 {'Running': 17, 'Succeeded': 13}
2634
2635
2636 Calibration: Zambia--0.02--rep3--FS
2637 Calibration started: 2019-01-08 10:33:16
2638 Current iteration: Iteration 0
2639 Current Iteration Started: 2019-01-08 10:33:16
2640 Time since iteration started: 30 minutes, 26.00 seconds
2641 Time since calibration started: 30 minutes, 26.00
    seconds
2642
2643 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
```

```
2643 f0921c167866') states:  
2644 {'Running': 17, 'Succeeded': 13}  
2645  
2646  
2647 Calibration: Zambia--0.02--rep3--FS  
2648 Calibration started: 2019-01-08 10:33:16  
2649 Current iteration: Iteration 0  
2650 Current Iteration Started: 2019-01-08 10:33:16  
2651 Time since iteration started: 30 minutes, 38.00 seconds  
2652 Time since calibration started: 30 minutes, 38.00  
    seconds  
2653  
2654 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2655 {'Running': 17, 'Succeeded': 13}  
2656  
2657  
2658 Calibration: Zambia--0.02--rep3--FS  
2659 Calibration started: 2019-01-08 10:33:16  
2660 Current iteration: Iteration 0  
2661 Current Iteration Started: 2019-01-08 10:33:16  
2662 Time since iteration started: 30 minutes, 49.00 seconds  
2663 Time since calibration started: 30 minutes, 49.00  
    seconds  
2664  
2665 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2666 {'Running': 16, 'Succeeded': 14}  
2667  
2668  
2669 Calibration: Zambia--0.02--rep3--FS  
2670 Calibration started: 2019-01-08 10:33:16  
2671 Current iteration: Iteration 0  
2672 Current Iteration Started: 2019-01-08 10:33:16  
2673 Time since iteration started: 31 minutes, 1.00 second  
2674 Time since calibration started: 31 minutes, 1.00 second  
2675  
2676 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2677 {'Running': 16, 'Succeeded': 14}  
2678  
2679  
2680 Calibration: Zambia--0.02--rep3--FS  
2681 Calibration started: 2019-01-08 10:33:16  
2682 Current iteration: Iteration 0
```

```
2683 Current Iteration Started: 2019-01-08 10:33:16
2684 Time since iteration started: 31 minutes, 13.00 seconds
2685 Time since calibration started: 31 minutes, 13.00
    seconds
2686
2687 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2688 {'Running': 15, 'Succeeded': 15}
2689
2690
2691 Calibration: Zambia--0.02--rep3--FS
2692 Calibration started: 2019-01-08 10:33:16
2693 Current iteration: Iteration 0
2694 Current Iteration Started: 2019-01-08 10:33:16
2695 Time since iteration started: 31 minutes, 24.00 seconds
2696 Time since calibration started: 31 minutes, 24.00
    seconds
2697
2698 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2699 {'Running': 15, 'Succeeded': 15}
2700
2701
2702 Calibration: Zambia--0.02--rep3--FS
2703 Calibration started: 2019-01-08 10:33:16
2704 Current iteration: Iteration 0
2705 Current Iteration Started: 2019-01-08 10:33:16
2706 Time since iteration started: 31 minutes, 36.00 seconds
2707 Time since calibration started: 31 minutes, 36.00
    seconds
2708
2709 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2710 {'Running': 15, 'Succeeded': 15}
2711
2712
2713 Calibration: Zambia--0.02--rep3--FS
2714 Calibration started: 2019-01-08 10:33:16
2715 Current iteration: Iteration 0
2716 Current Iteration Started: 2019-01-08 10:33:16
2717 Time since iteration started: 31 minutes, 48.00 seconds
2718 Time since calibration started: 31 minutes, 48.00
    seconds
2719
2720 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
```

```
2720 f0921c167866') states:  
2721 {'Running': 15, 'Succeeded': 15}  
2722  
2723  
2724 Calibration: Zambia--0.02--rep3--FS  
2725 Calibration started: 2019-01-08 10:33:16  
2726 Current iteration: Iteration 0  
2727 Current Iteration Started: 2019-01-08 10:33:16  
2728 Time since iteration started: 32 minutes  
2729 Time since calibration started: 32 minutes  
2730  
2731 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2732 {'Running': 15, 'Succeeded': 15}  
2733  
2734  
2735 Calibration: Zambia--0.02--rep3--FS  
2736 Calibration started: 2019-01-08 10:33:16  
2737 Current iteration: Iteration 0  
2738 Current Iteration Started: 2019-01-08 10:33:16  
2739 Time since iteration started: 32 minutes, 11.00 seconds  
2740 Time since calibration started: 32 minutes, 11.00  
    seconds  
2741  
2742 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2743 {'Running': 15, 'Succeeded': 15}  
2744  
2745  
2746 Calibration: Zambia--0.02--rep3--FS  
2747 Calibration started: 2019-01-08 10:33:16  
2748 Current iteration: Iteration 0  
2749 Current Iteration Started: 2019-01-08 10:33:16  
2750 Time since iteration started: 32 minutes, 23.00 seconds  
2751 Time since calibration started: 32 minutes, 23.00  
    seconds  
2752  
2753 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-  
    f0921c167866') states:  
2754 {'Running': 15, 'Succeeded': 15}  
2755  
2756  
2757 Calibration: Zambia--0.02--rep3--FS  
2758 Calibration started: 2019-01-08 10:33:16  
2759 Current iteration: Iteration 0
```

```
2760 Current Iteration Started: 2019-01-08 10:33:16
2761 Time since iteration started: 32 minutes, 34.00 seconds
2762 Time since calibration started: 32 minutes, 34.00
    seconds
2763
2764 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2765 {'Running': 15, 'Succeeded': 15}
2766
2767
2768 Calibration: Zambia--0.02--rep3--FS
2769 Calibration started: 2019-01-08 10:33:16
2770 Current iteration: Iteration 0
2771 Current Iteration Started: 2019-01-08 10:33:16
2772 Time since iteration started: 32 minutes, 46.00 seconds
2773 Time since calibration started: 32 minutes, 46.00
    seconds
2774
2775 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2776 {'Running': 15, 'Succeeded': 15}
2777
2778
2779 Calibration: Zambia--0.02--rep3--FS
2780 Calibration started: 2019-01-08 10:33:16
2781 Current iteration: Iteration 0
2782 Current Iteration Started: 2019-01-08 10:33:16
2783 Time since iteration started: 32 minutes, 58.00 seconds
2784 Time since calibration started: 32 minutes, 58.00
    seconds
2785
2786 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2787 {'Running': 15, 'Succeeded': 15}
2788
2789
2790 Calibration: Zambia--0.02--rep3--FS
2791 Calibration started: 2019-01-08 10:33:16
2792 Current iteration: Iteration 0
2793 Current Iteration Started: 2019-01-08 10:33:16
2794 Time since iteration started: 33 minutes, 9.00 seconds
2795 Time since calibration started: 33 minutes, 9.00 seconds
2796
2797 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
```

```
2798 {'Running': 14, 'Succeeded': 16}
2799
2800
2801 Calibration: Zambia--0.02--rep3--FS
2802 Calibration started: 2019-01-08 10:33:16
2803 Current iteration: Iteration 0
2804 Current Iteration Started: 2019-01-08 10:33:16
2805 Time since iteration started: 33 minutes, 21.00 seconds
2806 Time since calibration started: 33 minutes, 21.00
    seconds
2807
2808 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2809 {'Running': 14, 'Succeeded': 16}
2810
2811
2812 Calibration: Zambia--0.02--rep3--FS
2813 Calibration started: 2019-01-08 10:33:16
2814 Current iteration: Iteration 0
2815 Current Iteration Started: 2019-01-08 10:33:16
2816 Time since iteration started: 33 minutes, 32.00 seconds
2817 Time since calibration started: 33 minutes, 32.00
    seconds
2818
2819 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2820 {'Running': 14, 'Succeeded': 16}
2821
2822
2823 Calibration: Zambia--0.02--rep3--FS
2824 Calibration started: 2019-01-08 10:33:16
2825 Current iteration: Iteration 0
2826 Current Iteration Started: 2019-01-08 10:33:16
2827 Time since iteration started: 33 minutes, 44.00 seconds
2828 Time since calibration started: 33 minutes, 44.00
    seconds
2829
2830 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2831 {'Running': 14, 'Succeeded': 16}
2832
2833
2834 Calibration: Zambia--0.02--rep3--FS
2835 Calibration started: 2019-01-08 10:33:16
2836 Current iteration: Iteration 0
```

```
2837 Current Iteration Started: 2019-01-08 10:33:16
2838 Time since iteration started: 33 minutes, 56.00 seconds
2839 Time since calibration started: 33 minutes, 56.00
    seconds
2840
2841 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2842 {'Running': 14, 'Succeeded': 16}
2843
2844
2845 Calibration: Zambia--0.02--rep3--FS
2846 Calibration started: 2019-01-08 10:33:16
2847 Current iteration: Iteration 0
2848 Current Iteration Started: 2019-01-08 10:33:16
2849 Time since iteration started: 34 minutes, 7.00 seconds
2850 Time since calibration started: 34 minutes, 7.00 seconds
2851
2852 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2853 {'Running': 14, 'Succeeded': 16}
2854
2855
2856 Calibration: Zambia--0.02--rep3--FS
2857 Calibration started: 2019-01-08 10:33:16
2858 Current iteration: Iteration 0
2859 Current Iteration Started: 2019-01-08 10:33:16
2860 Time since iteration started: 34 minutes, 19.00 seconds
2861 Time since calibration started: 34 minutes, 19.00
    seconds
2862
2863 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2864 {'Running': 14, 'Succeeded': 16}
2865
2866
2867 Calibration: Zambia--0.02--rep3--FS
2868 Calibration started: 2019-01-08 10:33:16
2869 Current iteration: Iteration 0
2870 Current Iteration Started: 2019-01-08 10:33:16
2871 Time since iteration started: 34 minutes, 31.00 seconds
2872 Time since calibration started: 34 minutes, 31.00
    seconds
2873
2874 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
```

```
2875 {'Running': 14, 'Succeeded': 16}
2876
2877
2878 Calibration: Zambia--0.02--rep3--FS
2879 Calibration started: 2019-01-08 10:33:16
2880 Current iteration: Iteration 0
2881 Current Iteration Started: 2019-01-08 10:33:16
2882 Time since iteration started: 34 minutes, 42.00 seconds
2883 Time since calibration started: 34 minutes, 42.00
    seconds
2884
2885 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2886 {'Running': 14, 'Succeeded': 16}
2887
2888
2889 Calibration: Zambia--0.02--rep3--FS
2890 Calibration started: 2019-01-08 10:33:16
2891 Current iteration: Iteration 0
2892 Current Iteration Started: 2019-01-08 10:33:16
2893 Time since iteration started: 34 minutes, 54.00 seconds
2894 Time since calibration started: 34 minutes, 54.00
    seconds
2895
2896 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2897 {'Running': 14, 'Succeeded': 16}
2898
2899
2900 Calibration: Zambia--0.02--rep3--FS
2901 Calibration started: 2019-01-08 10:33:16
2902 Current iteration: Iteration 0
2903 Current Iteration Started: 2019-01-08 10:33:16
2904 Time since iteration started: 35 minutes, 6.00 seconds
2905 Time since calibration started: 35 minutes, 6.00 seconds
2906
2907 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2908 {'Running': 14, 'Succeeded': 16}
2909
2910
2911 Calibration: Zambia--0.02--rep3--FS
2912 Calibration started: 2019-01-08 10:33:16
2913 Current iteration: Iteration 0
2914 Current Iteration Started: 2019-01-08 10:33:16
```

```
2915 Time since iteration started: 35 minutes, 18.00 seconds
2916 Time since calibration started: 35 minutes, 18.00
    seconds
2917
2918 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2919 {'Running': 14, 'Succeeded': 16}
2920
2921
2922 Calibration: Zambia--0.02--rep3--FS
2923 Calibration started: 2019-01-08 10:33:16
2924 Current iteration: Iteration 0
2925 Current Iteration Started: 2019-01-08 10:33:16
2926 Time since iteration started: 35 minutes, 30.00 seconds
2927 Time since calibration started: 35 minutes, 30.00
    seconds
2928
2929 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2930 {'Running': 14, 'Succeeded': 16}
2931
2932
2933 Calibration: Zambia--0.02--rep3--FS
2934 Calibration started: 2019-01-08 10:33:16
2935 Current iteration: Iteration 0
2936 Current Iteration Started: 2019-01-08 10:33:16
2937 Time since iteration started: 35 minutes, 42.00 seconds
2938 Time since calibration started: 35 minutes, 42.00
    seconds
2939
2940 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2941 {'Running': 14, 'Succeeded': 16}
2942
2943
2944 Calibration: Zambia--0.02--rep3--FS
2945 Calibration started: 2019-01-08 10:33:16
2946 Current iteration: Iteration 0
2947 Current Iteration Started: 2019-01-08 10:33:16
2948 Time since iteration started: 35 minutes, 53.00 seconds
2949 Time since calibration started: 35 minutes, 53.00
    seconds
2950
2951 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
```

```
2952 {'Running': 14, 'Succeeded': 16}
2953
2954
2955 Calibration: Zambia--0.02--rep3--FS
2956 Calibration started: 2019-01-08 10:33:16
2957 Current iteration: Iteration 0
2958 Current Iteration Started: 2019-01-08 10:33:16
2959 Time since iteration started: 36 minutes, 5.00 seconds
2960 Time since calibration started: 36 minutes, 5.00 seconds
2961
2962 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2963 {'Running': 14, 'Succeeded': 16}
2964
2965
2966 Calibration: Zambia--0.02--rep3--FS
2967 Calibration started: 2019-01-08 10:33:16
2968 Current iteration: Iteration 0
2969 Current Iteration Started: 2019-01-08 10:33:16
2970 Time since iteration started: 36 minutes, 17.00 seconds
2971 Time since calibration started: 36 minutes, 17.00
seconds
2972
2973 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2974 {'Running': 13, 'Succeeded': 17}
2975
2976
2977 Calibration: Zambia--0.02--rep3--FS
2978 Calibration started: 2019-01-08 10:33:16
2979 Current iteration: Iteration 0
2980 Current Iteration Started: 2019-01-08 10:33:16
2981 Time since iteration started: 36 minutes, 28.00 seconds
2982 Time since calibration started: 36 minutes, 28.00
seconds
2983
2984 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
f0921c167866') states:
2985 {'Running': 11, 'Succeeded': 19}
2986
2987
2988 Calibration: Zambia--0.02--rep3--FS
2989 Calibration started: 2019-01-08 10:33:16
2990 Current iteration: Iteration 0
2991 Current Iteration Started: 2019-01-08 10:33:16
```

```
2992 Time since iteration started: 36 minutes, 40.00 seconds
2993 Time since calibration started: 36 minutes, 40.00
    seconds
2994
2995 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
2996 {'Running': 10, 'Succeeded': 20}
2997
2998
2999 Calibration: Zambia--0.02--rep3--FS
3000 Calibration started: 2019-01-08 10:33:16
3001 Current iteration: Iteration 0
3002 Current Iteration Started: 2019-01-08 10:33:16
3003 Time since iteration started: 36 minutes, 51.00 seconds
3004 Time since calibration started: 36 minutes, 51.00
    seconds
3005
3006 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3007 {'Running': 10, 'Succeeded': 20}
3008
3009
3010 Calibration: Zambia--0.02--rep3--FS
3011 Calibration started: 2019-01-08 10:33:16
3012 Current iteration: Iteration 0
3013 Current Iteration Started: 2019-01-08 10:33:16
3014 Time since iteration started: 37 minutes, 3.00 seconds
3015 Time since calibration started: 37 minutes, 3.00 seconds
3016
3017 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3018 {'Running': 9, 'Succeeded': 21}
3019
3020
3021 Calibration: Zambia--0.02--rep3--FS
3022 Calibration started: 2019-01-08 10:33:16
3023 Current iteration: Iteration 0
3024 Current Iteration Started: 2019-01-08 10:33:16
3025 Time since iteration started: 37 minutes, 15.00 seconds
3026 Time since calibration started: 37 minutes, 15.00
    seconds
3027
3028 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3029 {'Running': 9, 'Succeeded': 21}
```

```
3030
3031
3032 Calibration: Zambia--0.02--rep3--FS
3033 Calibration started: 2019-01-08 10:33:16
3034 Current iteration: Iteration 0
3035 Current Iteration Started: 2019-01-08 10:33:16
3036 Time since iteration started: 37 minutes, 26.00 seconds
3037 Time since calibration started: 37 minutes, 26.00
    seconds
3038
3039 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3040 {'Succeeded': 22, 'Running': 8}
3041
3042
3043 Calibration: Zambia--0.02--rep3--FS
3044 Calibration started: 2019-01-08 10:33:16
3045 Current iteration: Iteration 0
3046 Current Iteration Started: 2019-01-08 10:33:16
3047 Time since iteration started: 37 minutes, 38.00 seconds
3048 Time since calibration started: 37 minutes, 38.00
    seconds
3049
3050 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3051 {'Succeeded': 22, 'Running': 8}
3052
3053
3054 Calibration: Zambia--0.02--rep3--FS
3055 Calibration started: 2019-01-08 10:33:16
3056 Current iteration: Iteration 0
3057 Current Iteration Started: 2019-01-08 10:33:16
3058 Time since iteration started: 37 minutes, 50.00 seconds
3059 Time since calibration started: 37 minutes, 50.00
    seconds
3060
3061 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3062 {'Succeeded': 28, 'Running': 2}
3063
3064
3065 Calibration: Zambia--0.02--rep3--FS
3066 Calibration started: 2019-01-08 10:33:16
3067 Current iteration: Iteration 0
3068 Current Iteration Started: 2019-01-08 10:33:16
```

```
3069 Time since iteration started: 38 minutes, 1.00 second
3070 Time since calibration started: 38 minutes, 1.00 second
3071
3072 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3073 {'Succeeded': 28, 'Running': 2}
3074
3075
3076 Calibration: Zambia--0.02--rep3--FS
3077 Calibration started: 2019-01-08 10:33:16
3078 Current iteration: Iteration 0
3079 Current Iteration Started: 2019-01-08 10:33:16
3080 Time since iteration started: 38 minutes, 13.00 seconds
3081 Time since calibration started: 38 minutes, 13.00
    seconds
3082
3083 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3084 {'Succeeded': 29, 'Running': 1}
3085
3086
3087 Calibration: Zambia--0.02--rep3--FS
3088 Calibration started: 2019-01-08 10:33:16
3089 Current iteration: Iteration 0
3090 Current Iteration Started: 2019-01-08 10:33:16
3091 Time since iteration started: 38 minutes, 24.00 seconds
3092 Time since calibration started: 38 minutes, 24.00
    seconds
3093
3094 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3095 {'Succeeded': 29, 'Running': 1}
3096
3097
3098 Calibration: Zambia--0.02--rep3--FS
3099 Calibration started: 2019-01-08 10:33:16
3100 Current iteration: Iteration 0
3101 Current Iteration Started: 2019-01-08 10:33:16
3102 Time since iteration started: 38 minutes, 36.00 seconds
3103 Time since calibration started: 38 minutes, 36.00
    seconds
3104
3105 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3106 {'Succeeded': 29, 'Running': 1}
```

```
3107
3108
3109 Calibration: Zambia--0.02--rep3--FS
3110 Calibration started: 2019-01-08 10:33:16
3111 Current iteration: Iteration 0
3112 Current Iteration Started: 2019-01-08 10:33:16
3113 Time since iteration started: 38 minutes, 48.00 seconds
3114 Time since calibration started: 38 minutes, 48.00
    seconds
3115
3116 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3117 {'Succeeded': 29, 'Running': 1}
3118
3119
3120 Calibration: Zambia--0.02--rep3--FS
3121 Calibration started: 2019-01-08 10:33:16
3122 Current iteration: Iteration 0
3123 Current Iteration Started: 2019-01-08 10:33:16
3124 Time since iteration started: 38 minutes, 59.00 seconds
3125 Time since calibration started: 38 minutes, 59.00
    seconds
3126
3127 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3128 {'Succeeded': 29, 'Running': 1}
3129
3130
3131 Calibration: Zambia--0.02--rep3--FS
3132 Calibration started: 2019-01-08 10:33:16
3133 Current iteration: Iteration 0
3134 Current Iteration Started: 2019-01-08 10:33:16
3135 Time since iteration started: 39 minutes, 11.00 seconds
3136 Time since calibration started: 39 minutes, 11.00
    seconds
3137
3138 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3139 {'Succeeded': 29, 'Running': 1}
3140
3141
3142 Calibration: Zambia--0.02--rep3--FS
3143 Calibration started: 2019-01-08 10:33:16
3144 Current iteration: Iteration 0
3145 Current Iteration Started: 2019-01-08 10:33:16
```

```
3146 Time since iteration started: 39 minutes, 22.00 seconds
3147 Time since calibration started: 39 minutes, 22.00
    seconds
3148
3149 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3150 {'Succeeded': 29, 'Running': 1}
3151
3152
3153 Calibration: Zambia--0.02--rep3--FS
3154 Calibration started: 2019-01-08 10:33:16
3155 Current iteration: Iteration 0
3156 Current Iteration Started: 2019-01-08 10:33:16
3157 Time since iteration started: 39 minutes, 34.00 seconds
3158 Time since calibration started: 39 minutes, 34.00
    seconds
3159
3160 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3161 {'Succeeded': 29, 'Running': 1}
3162
3163
3164 Calibration: Zambia--0.02--rep3--FS
3165 Calibration started: 2019-01-08 10:33:16
3166 Current iteration: Iteration 0
3167 Current Iteration Started: 2019-01-08 10:33:16
3168 Time since iteration started: 39 minutes, 46.00 seconds
3169 Time since calibration started: 39 minutes, 46.00
    seconds
3170
3171 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
3172 {'Succeeded': 29, 'Running': 1}
3173
3174
3175 Calibration: Zambia--0.02--rep3--FS
3176 Calibration started: 2019-01-08 10:33:16
3177 Current iteration: Iteration 0
3178 Current Iteration Started: 2019-01-08 10:33:16
3179 Time since iteration started: 39 minutes, 57.00 seconds
3180 Time since calibration started: 39 minutes, 57.00
    seconds
3181
3182 Zambia--0.02--rep3--FS_iter0 ('b3a7acdc-7313-e911-80ca-
    f0921c167866') states:
```

```
3183 {'Succeeded': 30}
3184 Iteration 0 done (took 39 minutes, 57.00 seconds)
3185 Traceback (most recent call last):
3186   File "C:\Python36\Lib\site-packages\diskcache\core.py",
3187     ", line 382, in __init__
3188       os.makedirs(directory, 0o755)
3189   File "C:\Python36\lib\os.py", line 220, in makedirs
3190     mkdir(name, mode)
3190 OSError: [WinError 123] The filename, directory name, or
3191   volume label syntax is incorrect: 'HIVCalibSite_OnART_Non-provincial_[0:15)[15:100]
3191   _GaussianDistribution_cache'
3191
3192 During handling of the above exception, another
3193   exception occurred:
3193
3194 Traceback (most recent call last):
3195   File "C:/GitHub/HIV/Supriya Sarkar/optim_script.py",
3196     line 229, in <module>
3196       #calib_manager.cleanup()
3197   File "C:\GitHub\dtk-tool\MG\dtk-tools\calibtool\
3197     CalibManager.py", line 102, in run_calibration
3198     self.run_iterations()
3199   File "C:\GitHub\dtk-tool\MG\dtk-tools\calibtool\
3199     CalibManager.py", line 113, in run_iterations
3200     self.current_iteration.run()
3201   File "C:\GitHub\dtk-tool\MG\dtk-tools\calibtool\
3201     IterationState.py", line 146, in run
3202     self.analyze_step()
3203   File "C:\GitHub\dtk-tool\MG\dtk-tools\calibtool\
3203     IterationState.py", line 185, in analyze_step
3204     self.analyze_iteration()
3205   File "C:\GitHub\dtk-tool\MG\dtk-tools\calibtool\
3205     IterationState.py", line 252, in analyze_iteration
3206     verbose=True)
3207   File "C:\GitHub\dtk-tool\MG\dtk-tools\simtools\
3207     Analysis\AnalyzeManager.py", line 61, in __init__
3208     for a in analyzer_list: self.add_analyzer(a)
3209   File "C:\GitHub\dtk-tool\MG\dtk-tools\simtools\
3209     Analysis\AnalyzeManager.py", line 111, in add_analyzer
3210     analyzer.initialize()
3211   File "C:\GitHub\dtk-tool\MG\dtk-tools\simtools\
3211     Analysis\BaseAnalyzers\BaseCacheAnalyzer.py", line 17,
3211   in initialize
3212     self.cache = Cache(self.cache_location or self.uid
```

File - unknown

```
3212 + "_cache")
3213     File "C:\Python36\Lib\site-packages\diskcache\core.py
      ", line 388, in __init__
3214     ' and could not be created' % self._directory
3215 OSError: [Errno 22] Cache directory "
      HIVCalibSite_OnART_Non-provincial_[0:15)[15:100)
      _GaussianDistribution_cache" does not exist and could
      not be created
3216
3217 Process finished with exit code 1
3218
```