

Plot ML input file

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Abstract

This document is for plots of ML inputs.

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setting aside a portion of the PM2.5 data set and then doing 10-fold cross validation on the rest of the data

see <http://www.cvent.com/events/nasa-aist-machine-learning-workshop/event-summary-1f5144a5d1734ca.aspx> and particularly the very end of <https://global.gotomeeting.com/public/recording-player.html?id=owZDmUustOjaW9sJGQ5u9cUG2pBa4D> for list of resources and papers to read.

0.1 ML Scripts

1. ML_PM25_estimation_step0.R » Merge the various predictor variables together with the monitor data or dates/locations of interest
2. ML_PM25_estimation_step0a.R » Plot the training input file
 - (a) predictor variables vs date
 - (b) predictor variables vs PM_{2.5}
3. ML_PM25_estimation_step1.R » ML training algorithms
4. ML_PM25_estimation_step1.R » create data frame of the dates/locations for which we want to predict PM2.5

1 Machine Learning Results

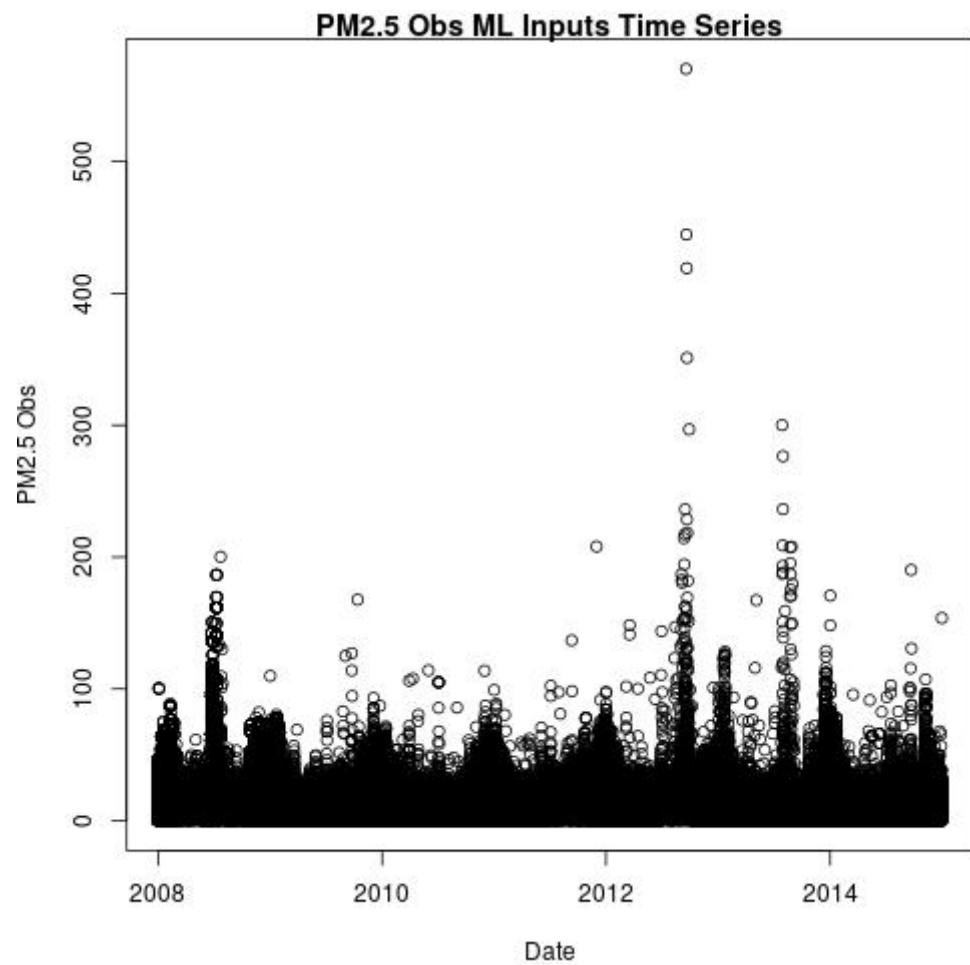


Figure 1: PM2.5 Obs ML Inputs Time Series

1.1 ML Inputs Time Series Images

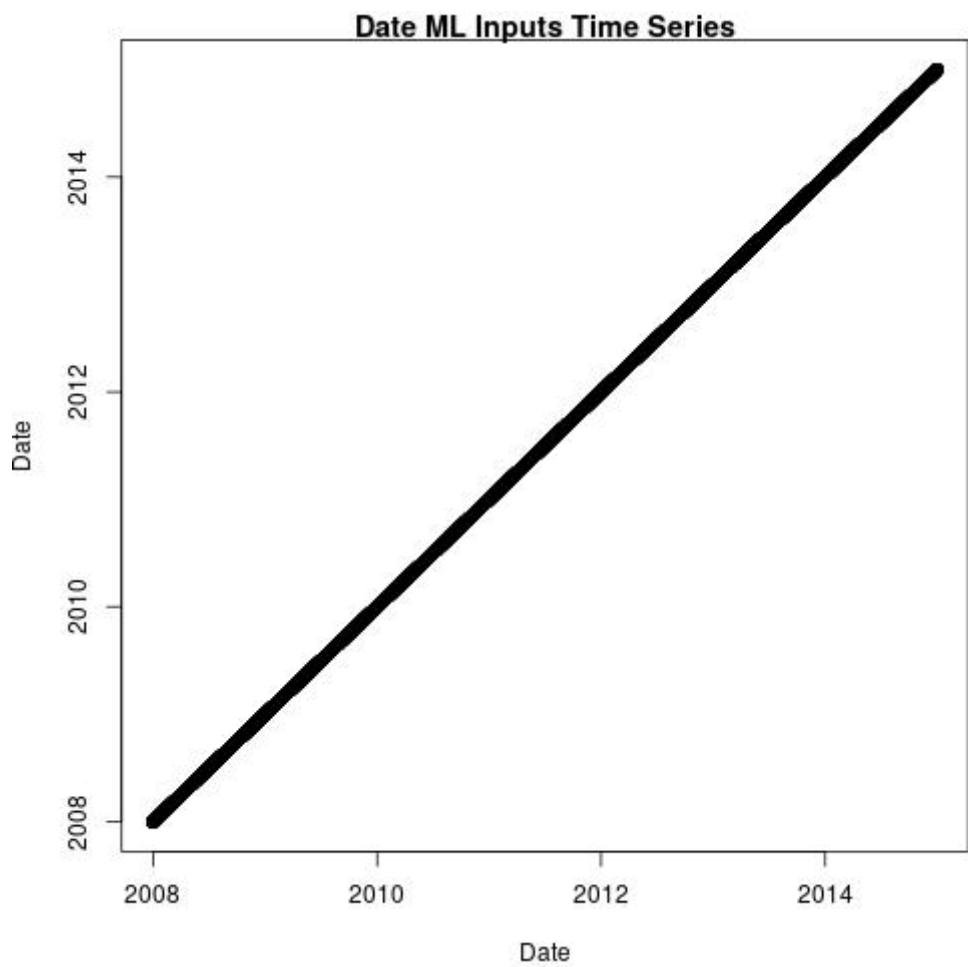


Figure 2: Date ML Inputs Time Series

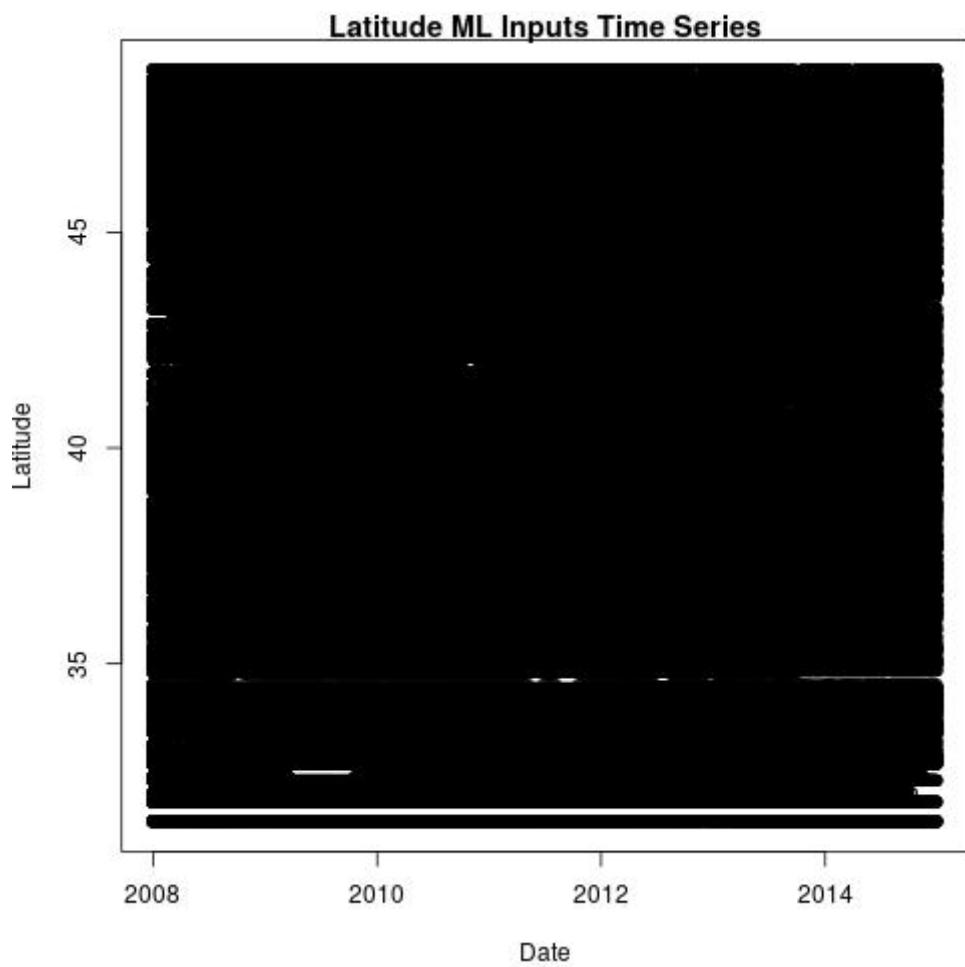


Figure 3: Latitude ML Inputs Time Series

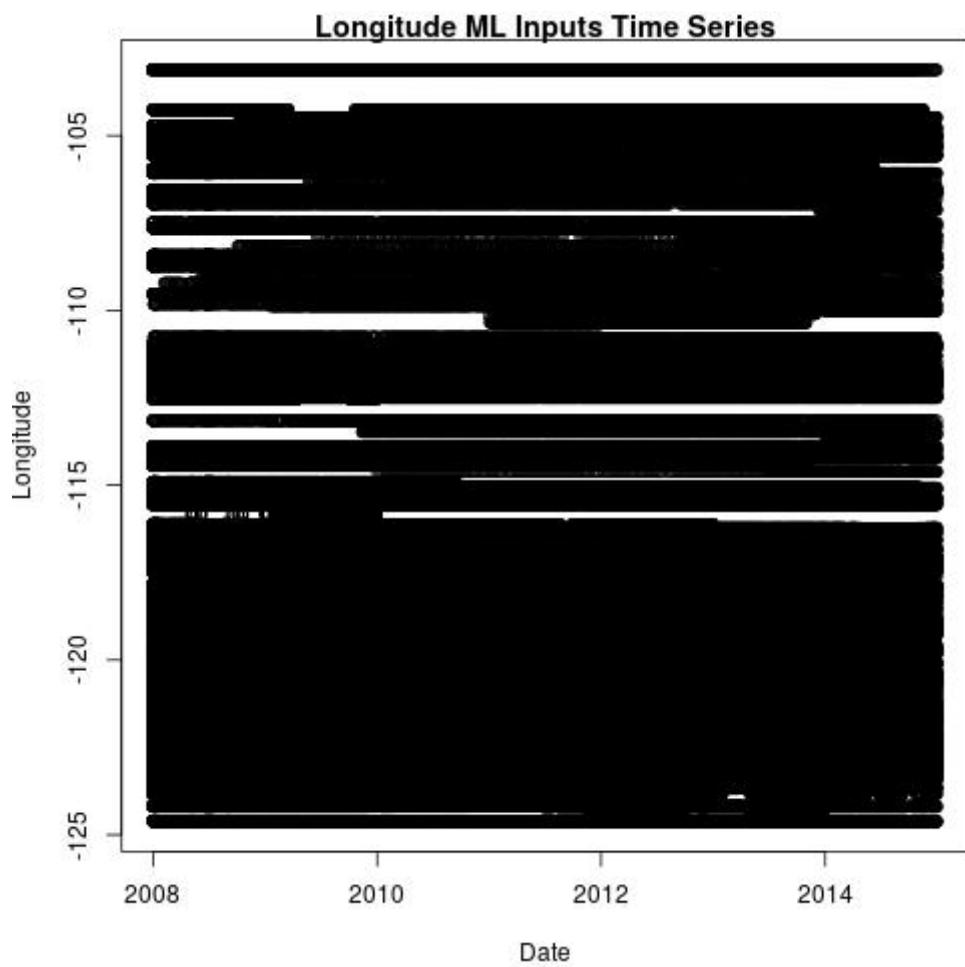


Figure 4: Longitude ML Inputs Time Series

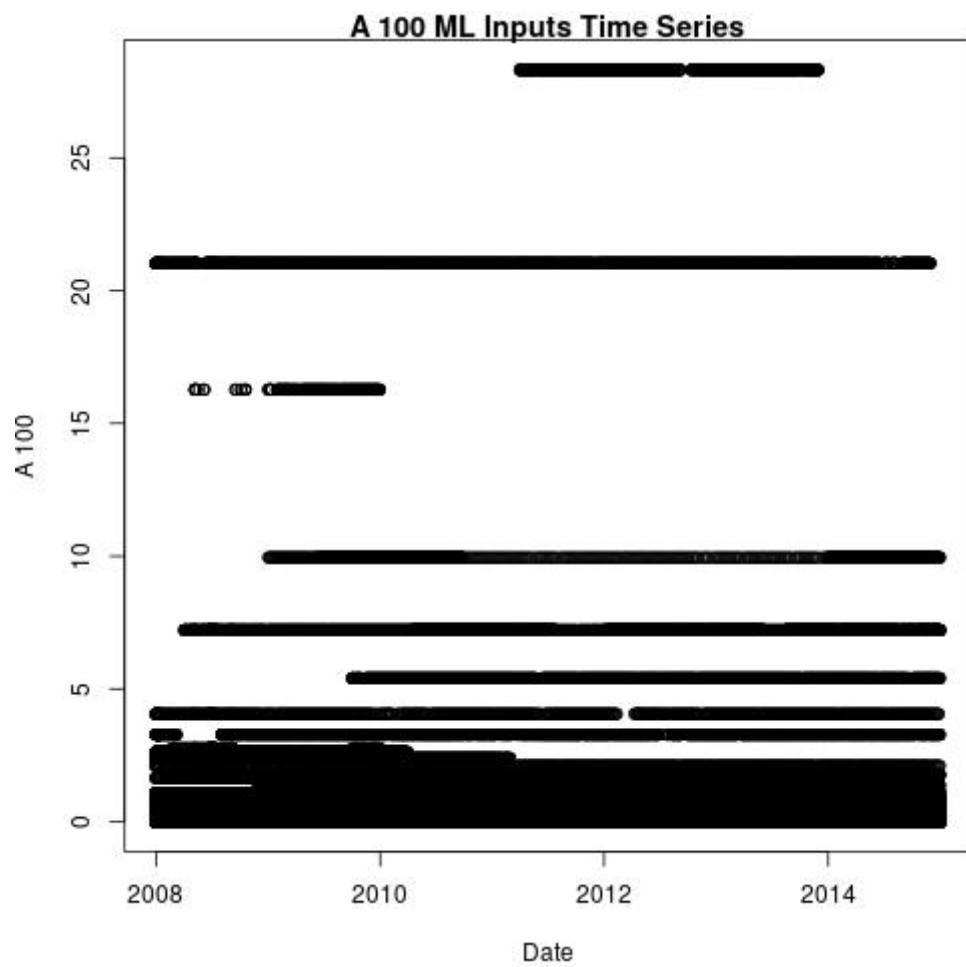


Figure 5: A 100 ML Inputs Time Series

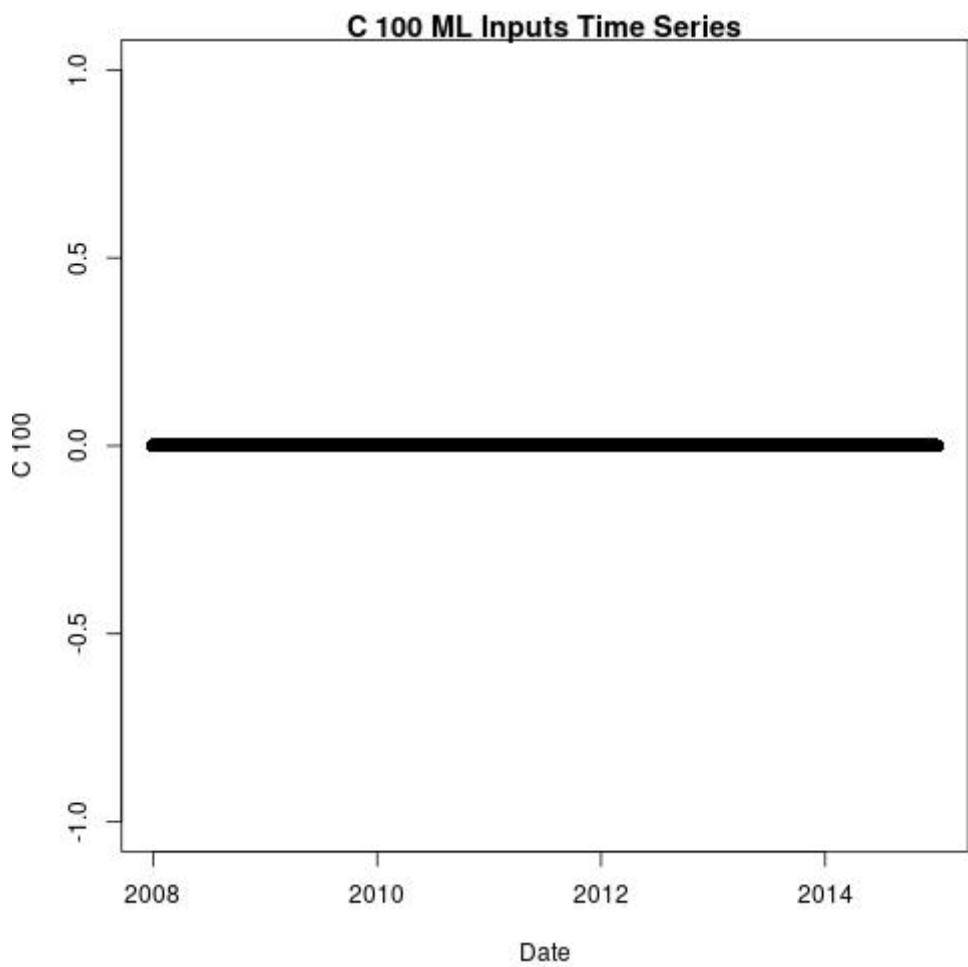


Figure 6: C 100 ML Inputs Time Series

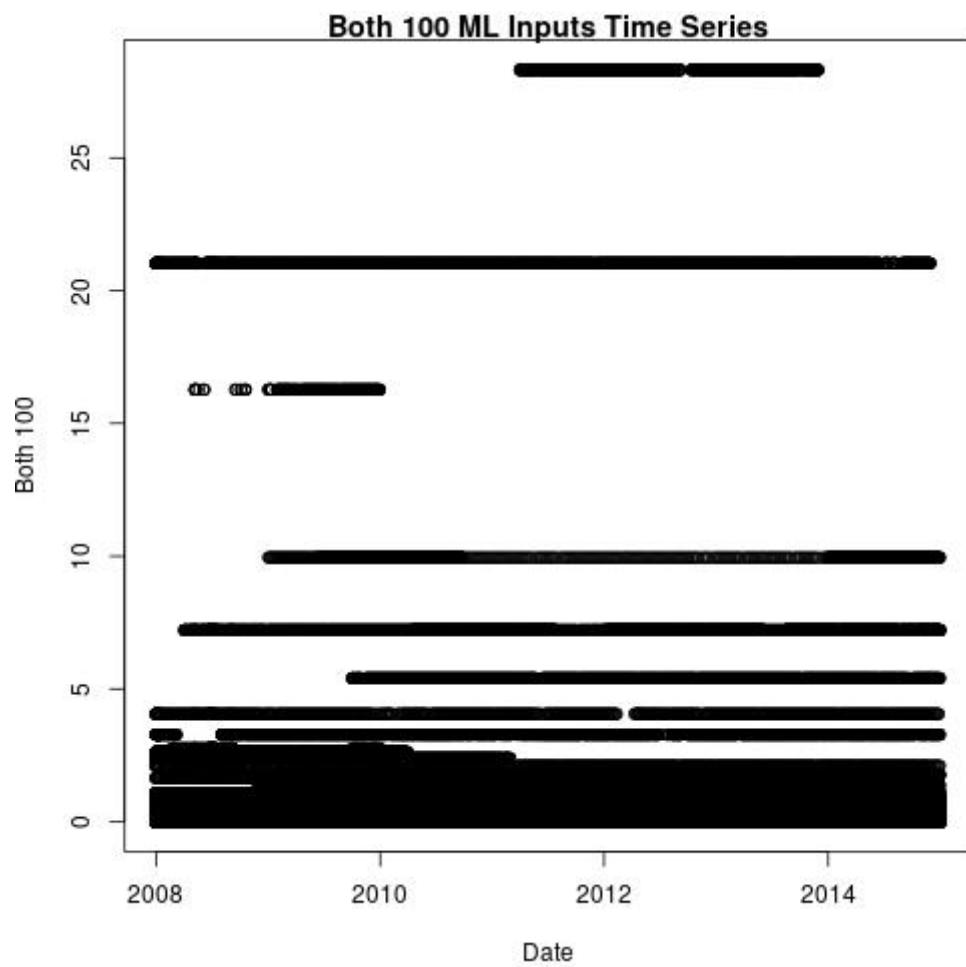


Figure 7: Both 100 ML Inputs Time Series

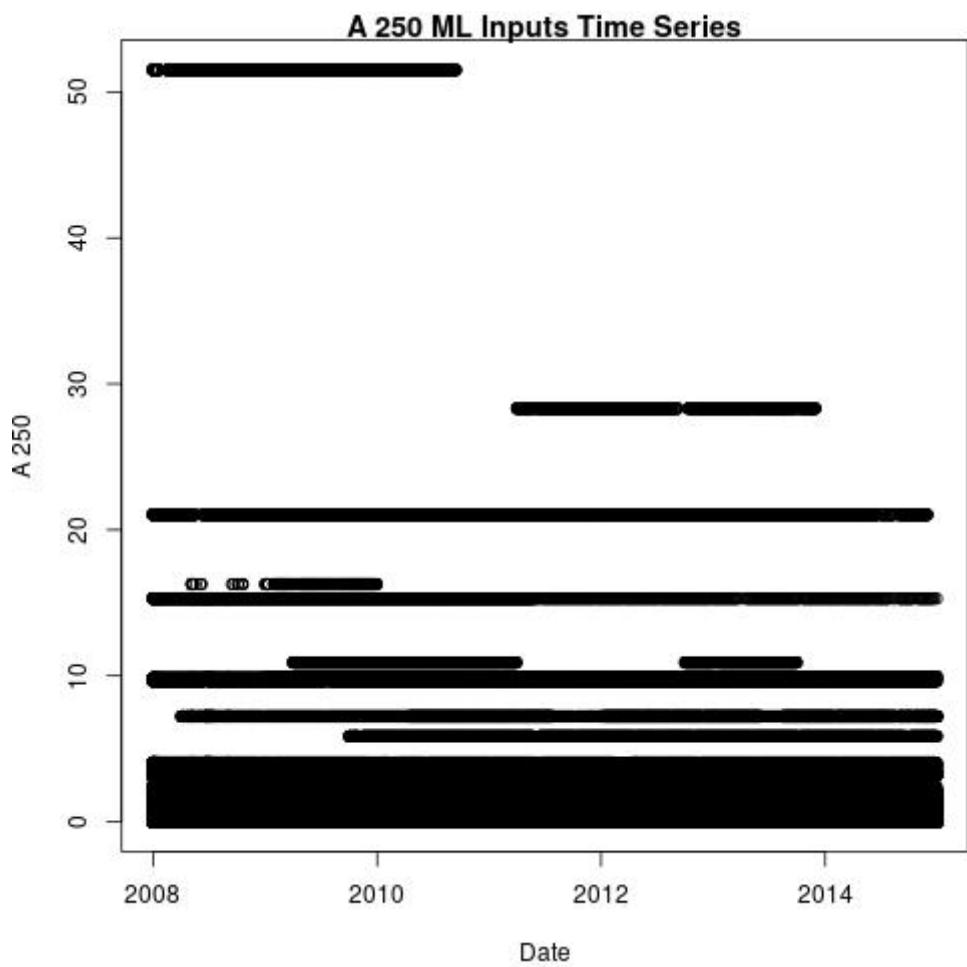


Figure 8: A 250 ML Inputs Time Series

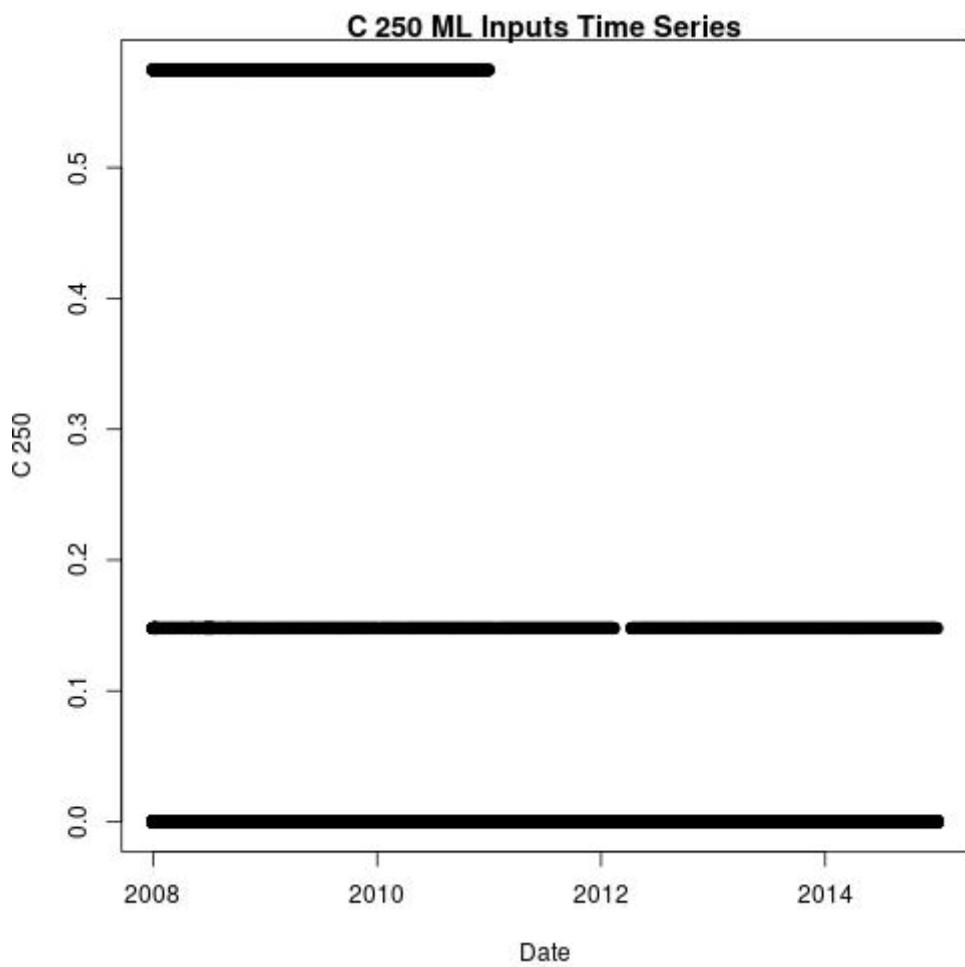


Figure 9: C 250 ML Inputs Time Series

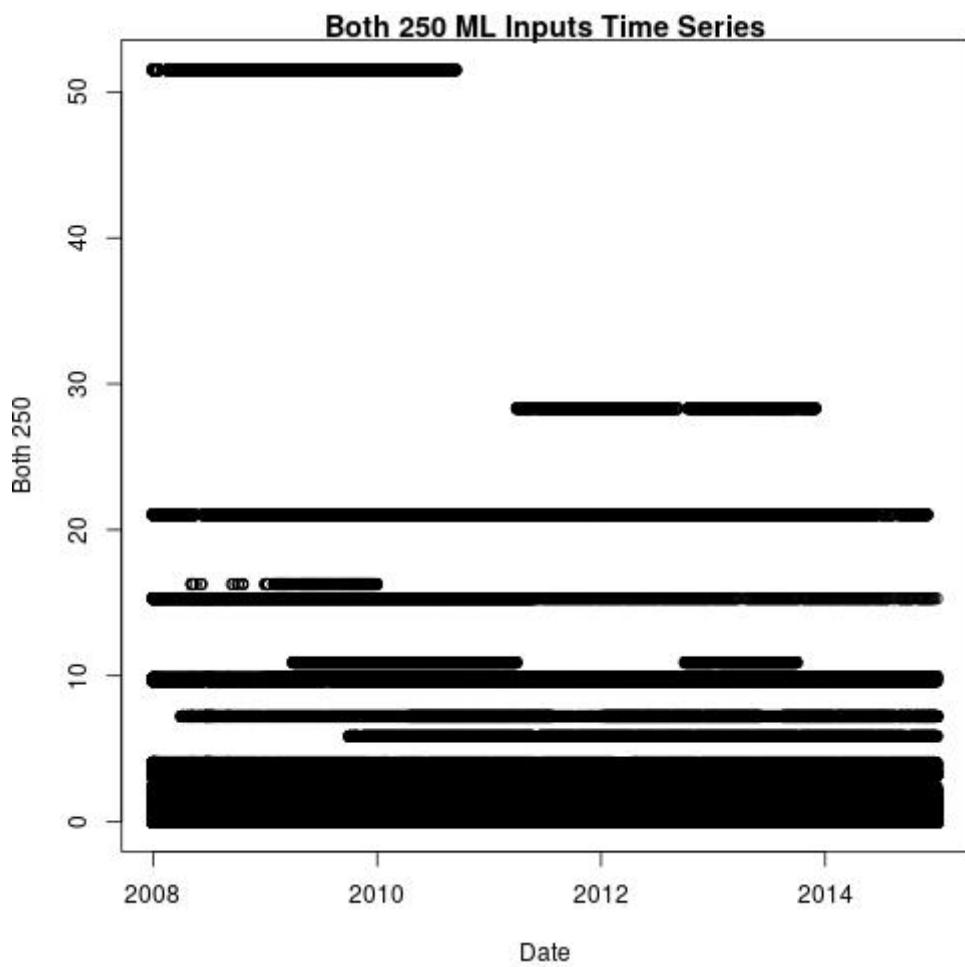


Figure 10: Both 250 ML Inputs Time Series

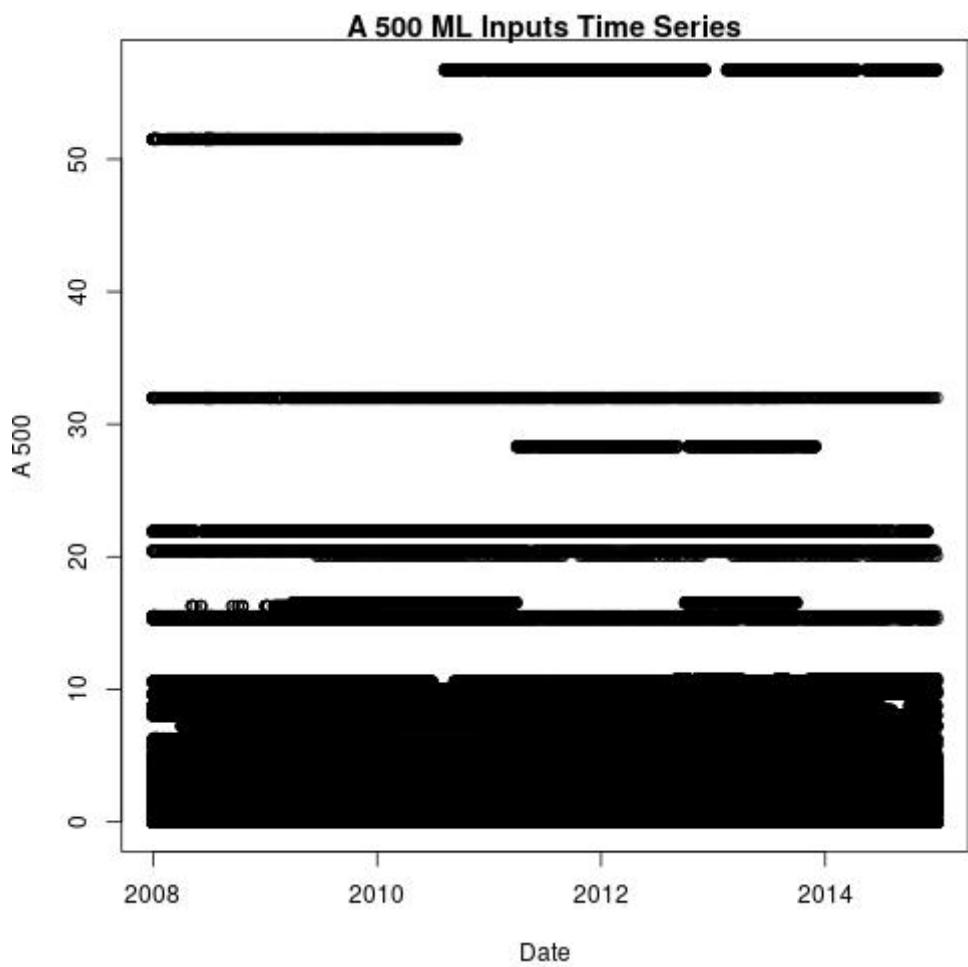


Figure 11: A 500 ML Inputs Time Series

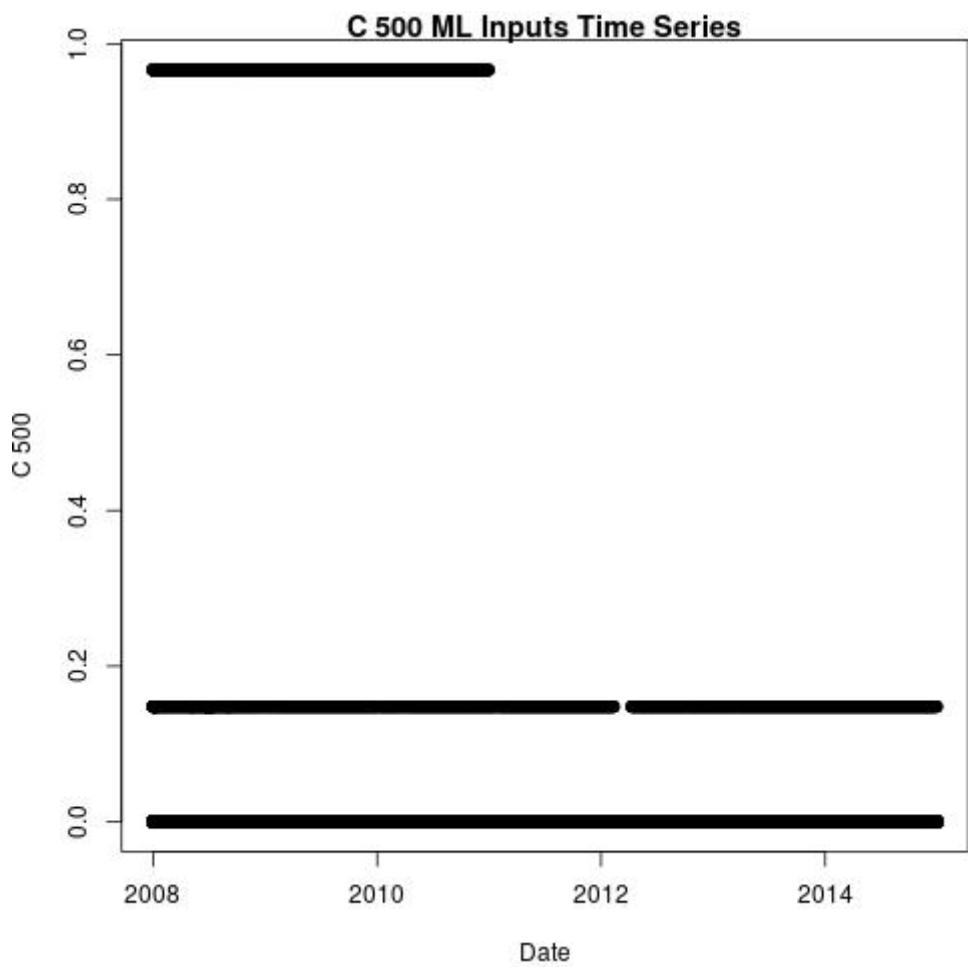


Figure 12: C 500 ML Inputs Time Series

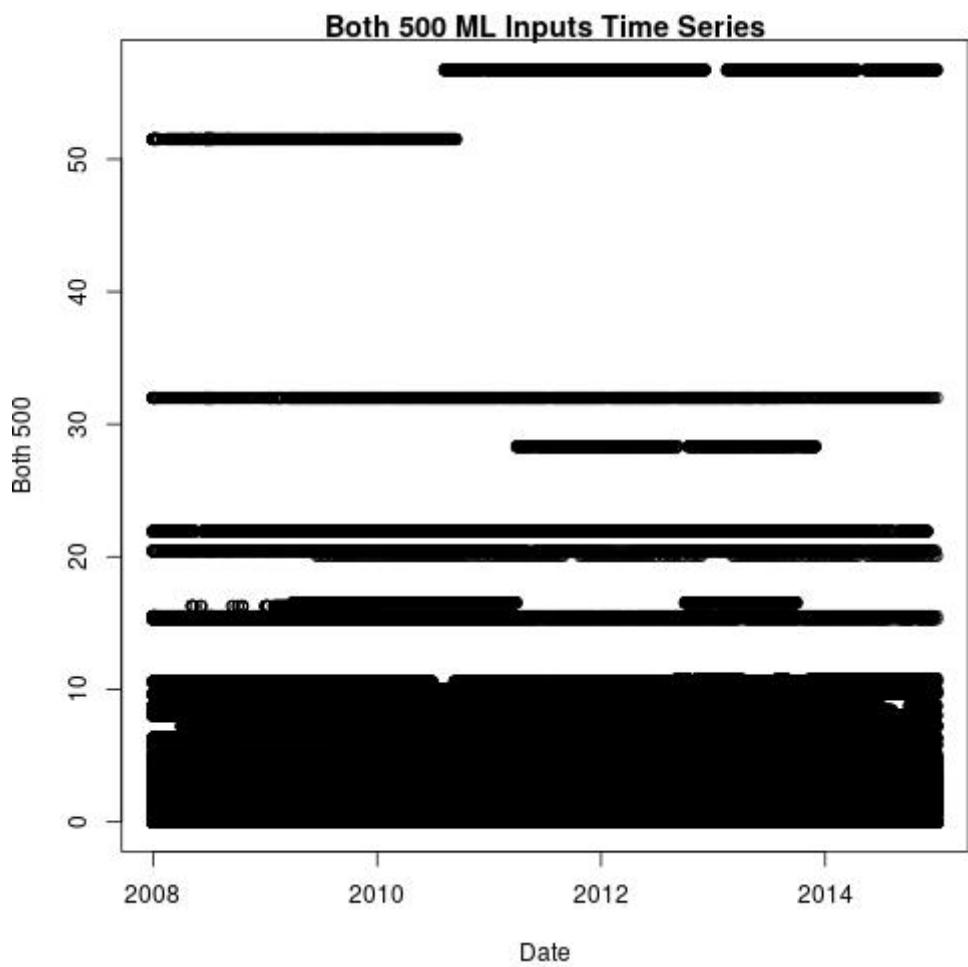


Figure 13: Both 500 ML Inputs Time Series

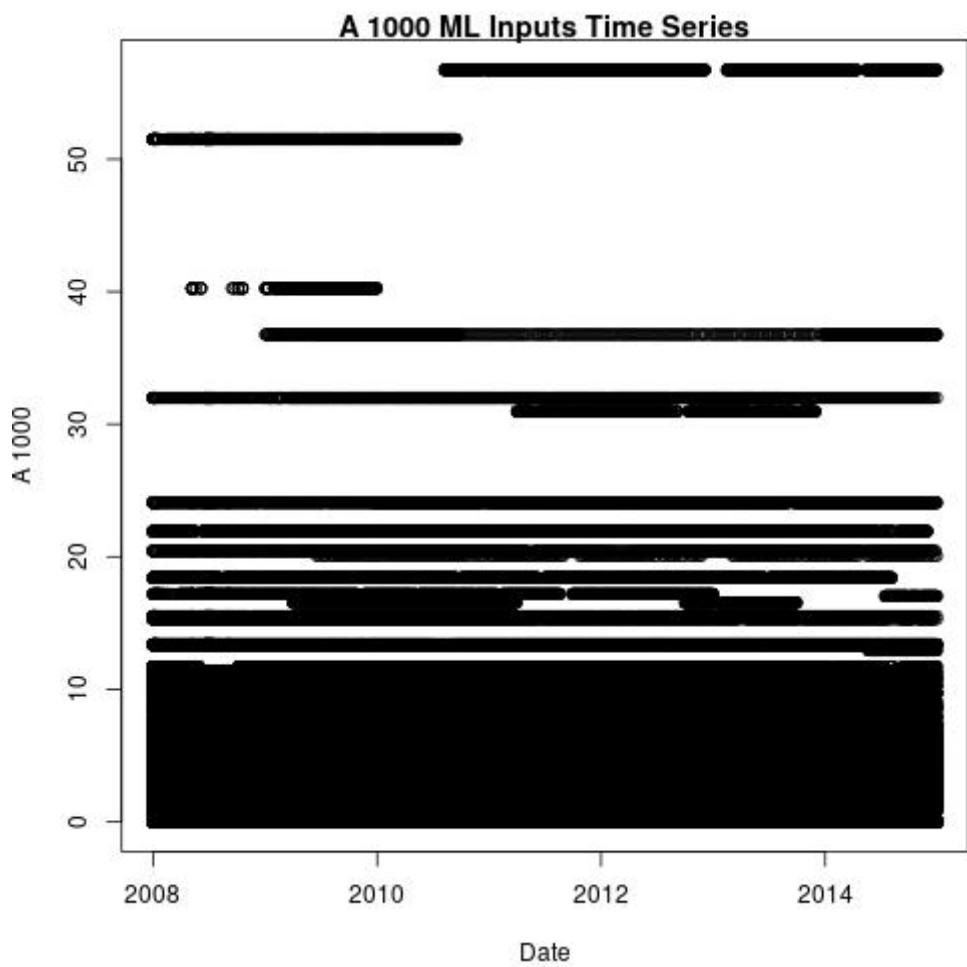


Figure 14: A 1000 ML Inputs Time Series

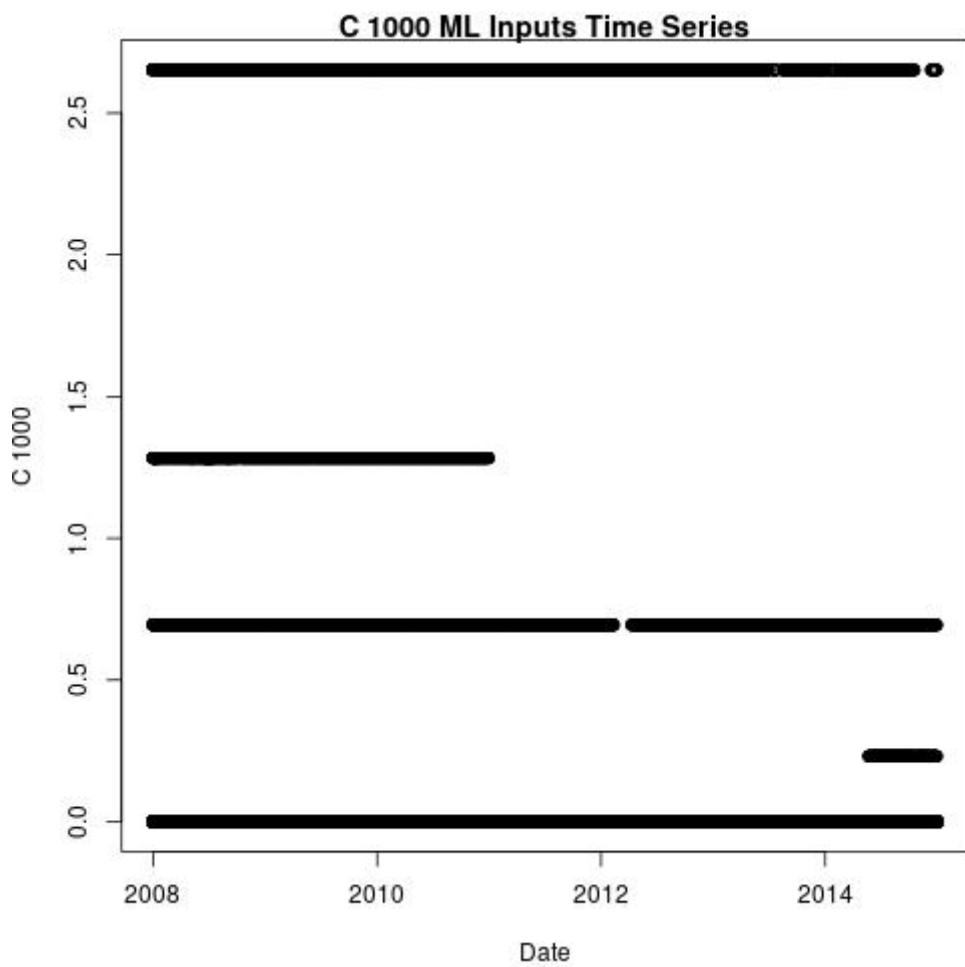


Figure 15: C 1000 ML Inputs Time Series

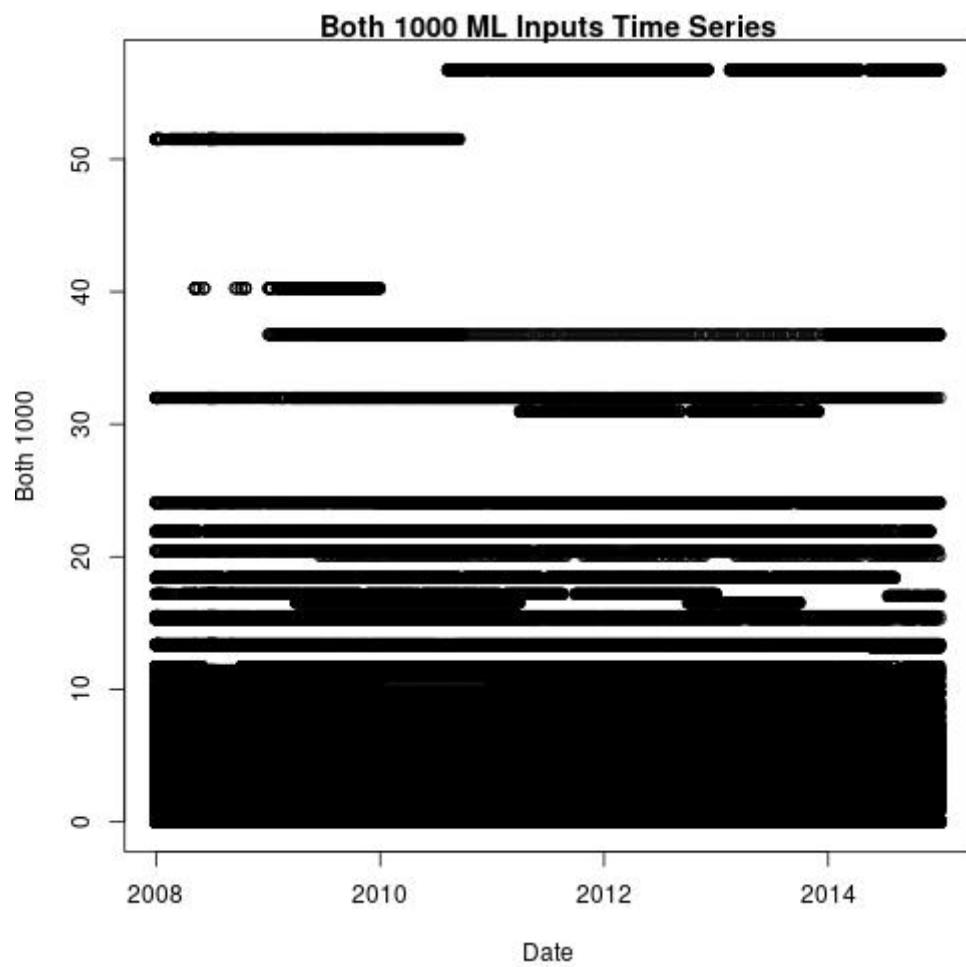


Figure 16: Both 1000 ML Inputs Time Series

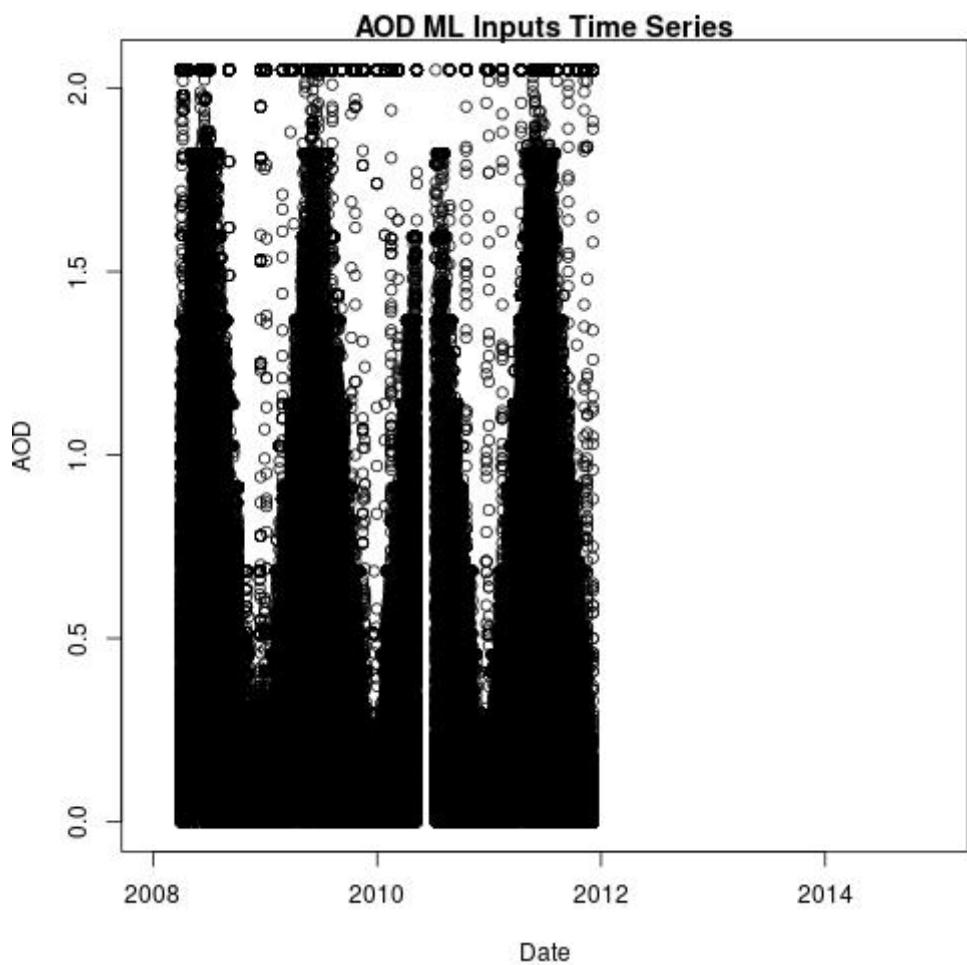


Figure 17: AOD ML Inputs Time Series

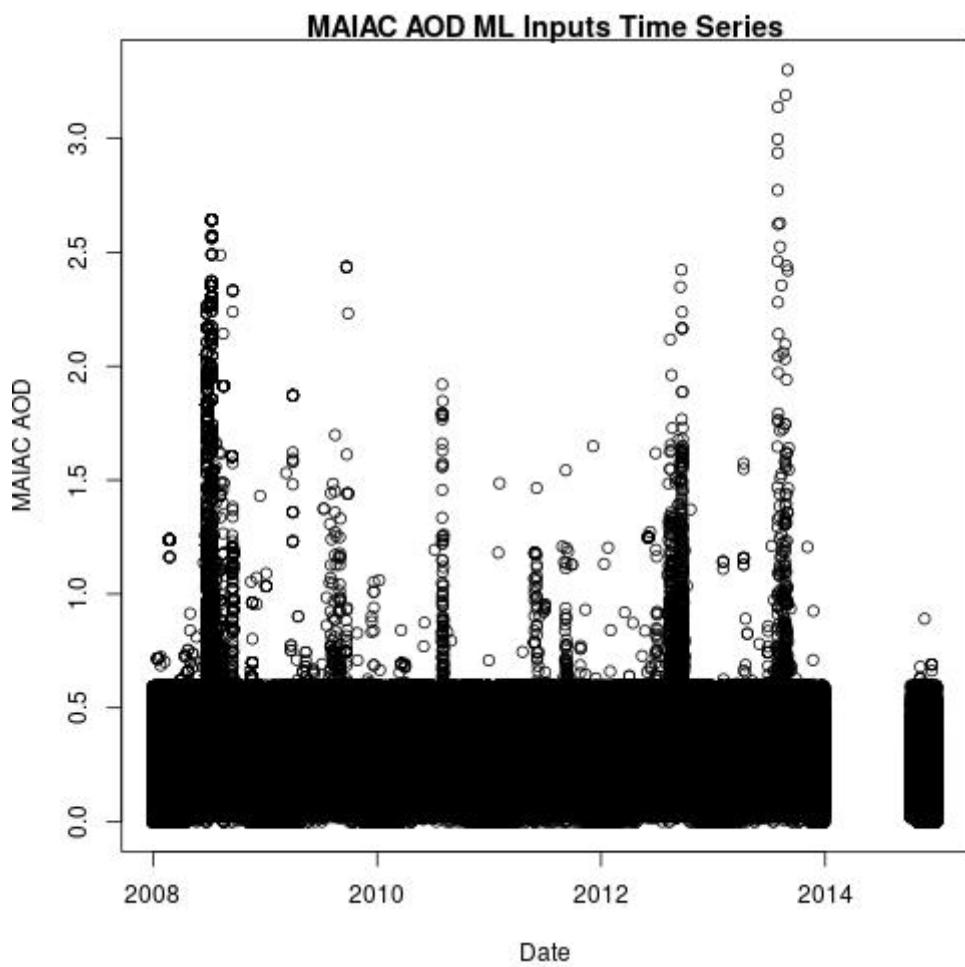


Figure 18: MAIAC AOD ML Inputs Time Series

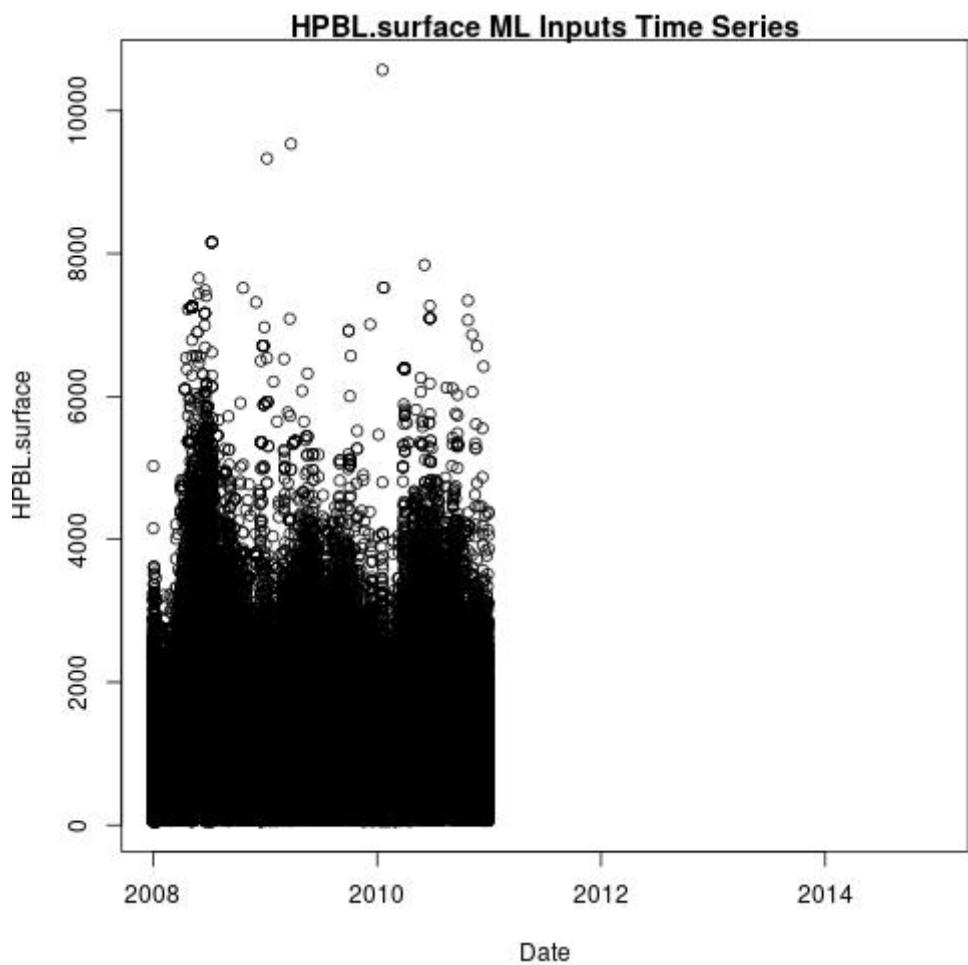


Figure 19: HPBL.surface ML Inputs Time Series

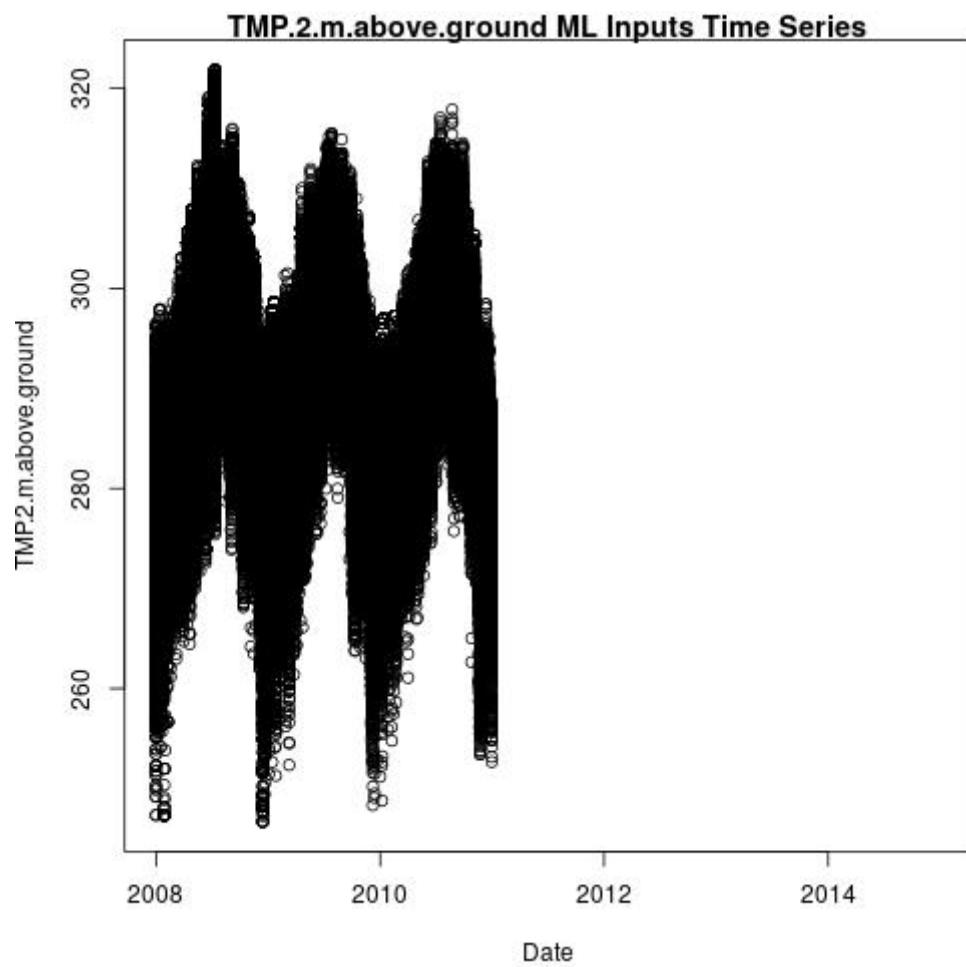


Figure 20: TMP.2.m.above.ground ML Inputs Time Series

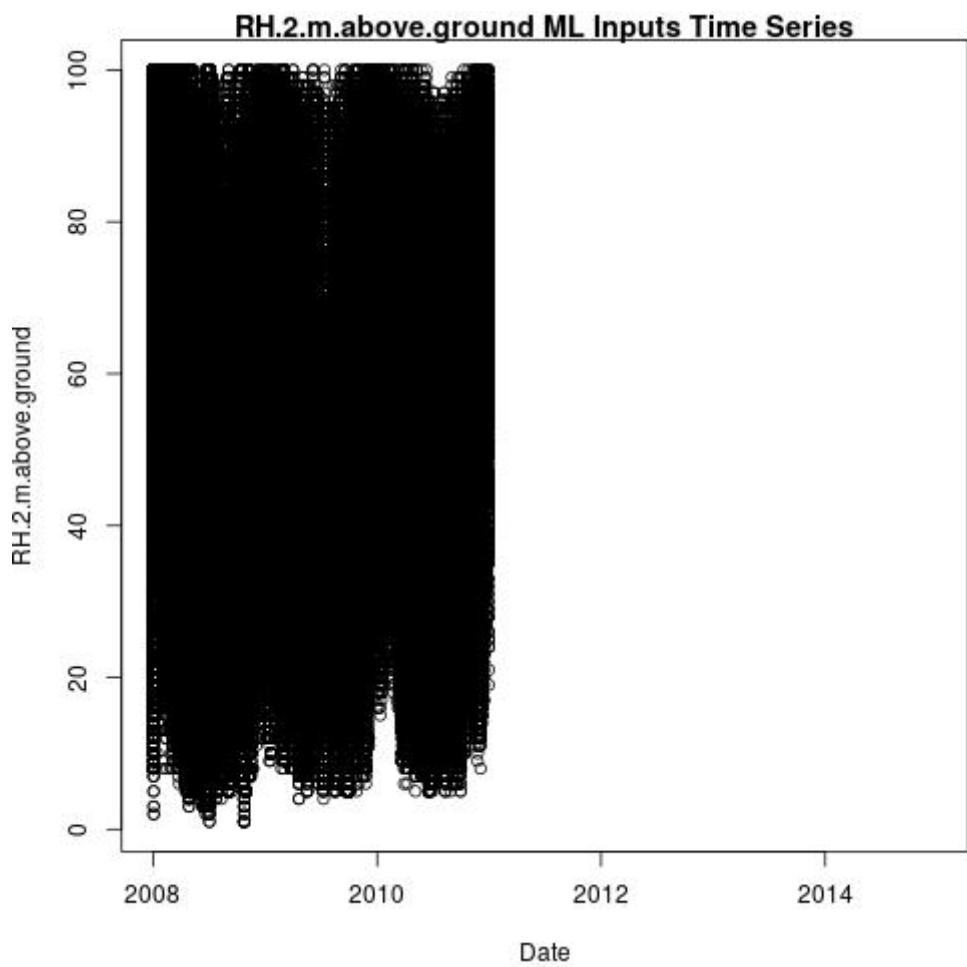


Figure 21: RH.2.m.above.ground ML Inputs Time Series

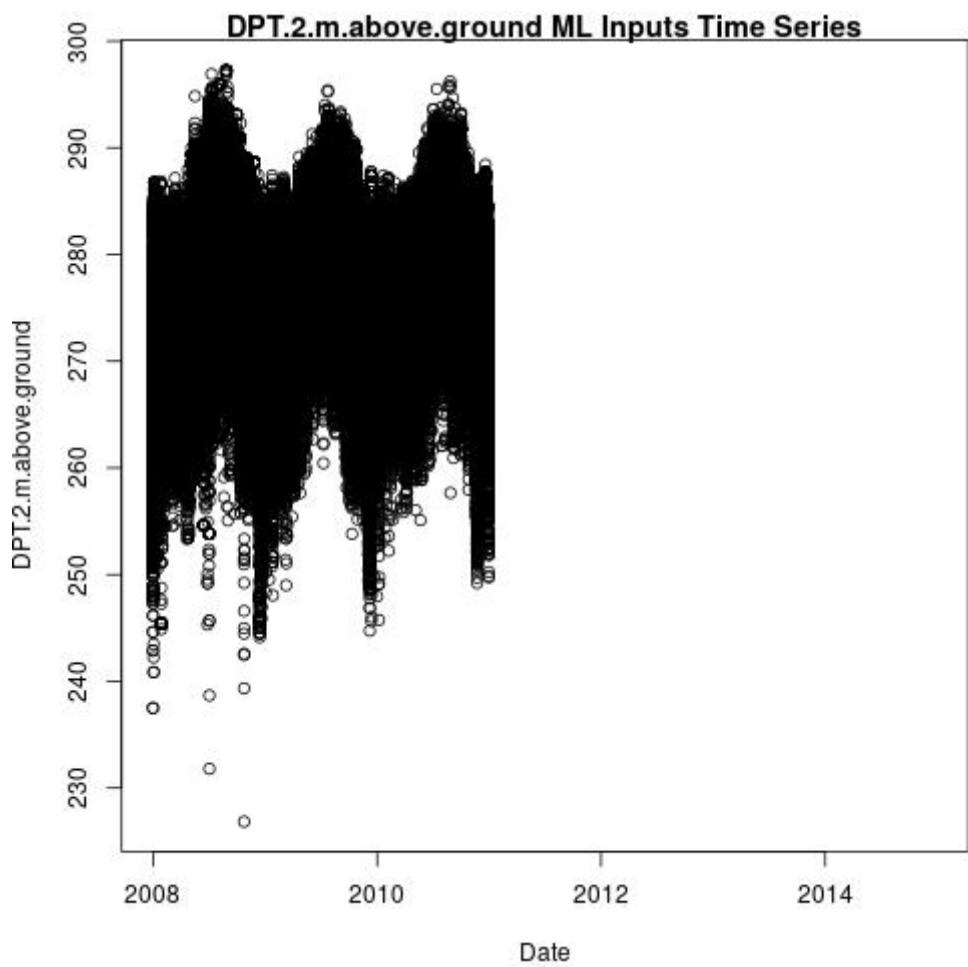


Figure 22: DPT.2.m.above.ground ML Inputs Time Series

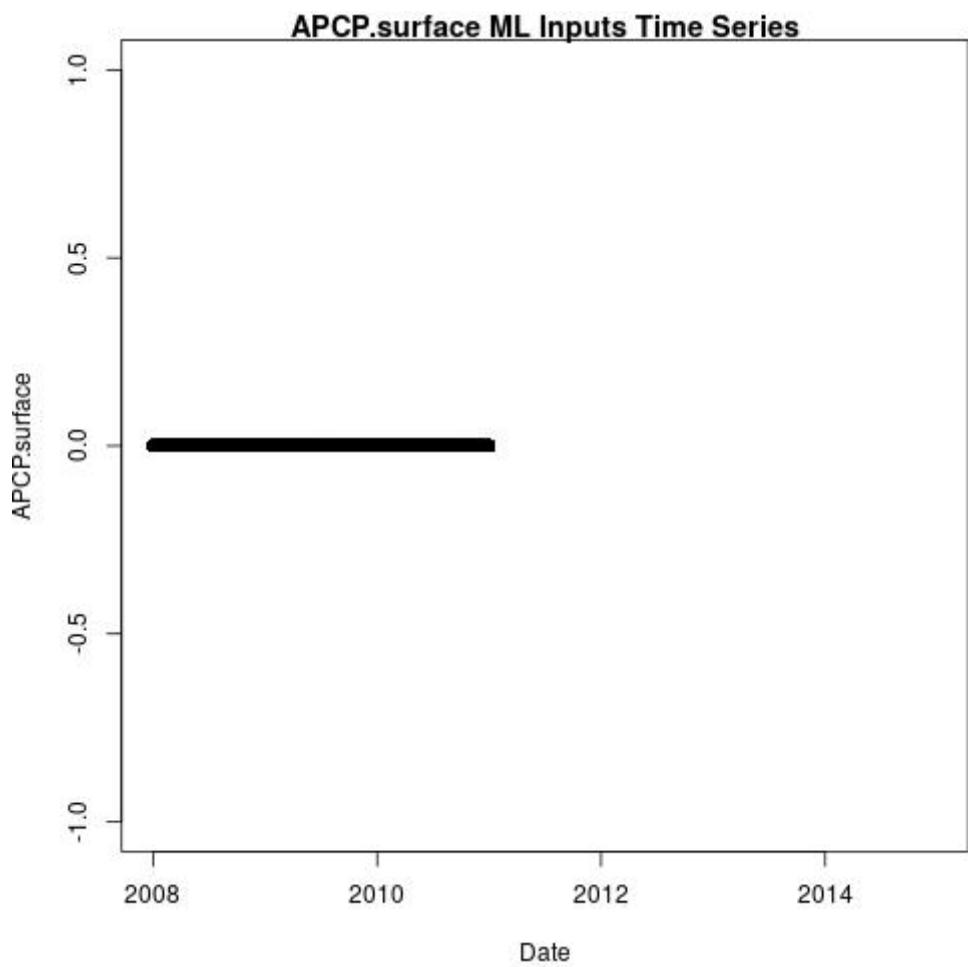


Figure 23: APCP.surface ML Inputs Time Series

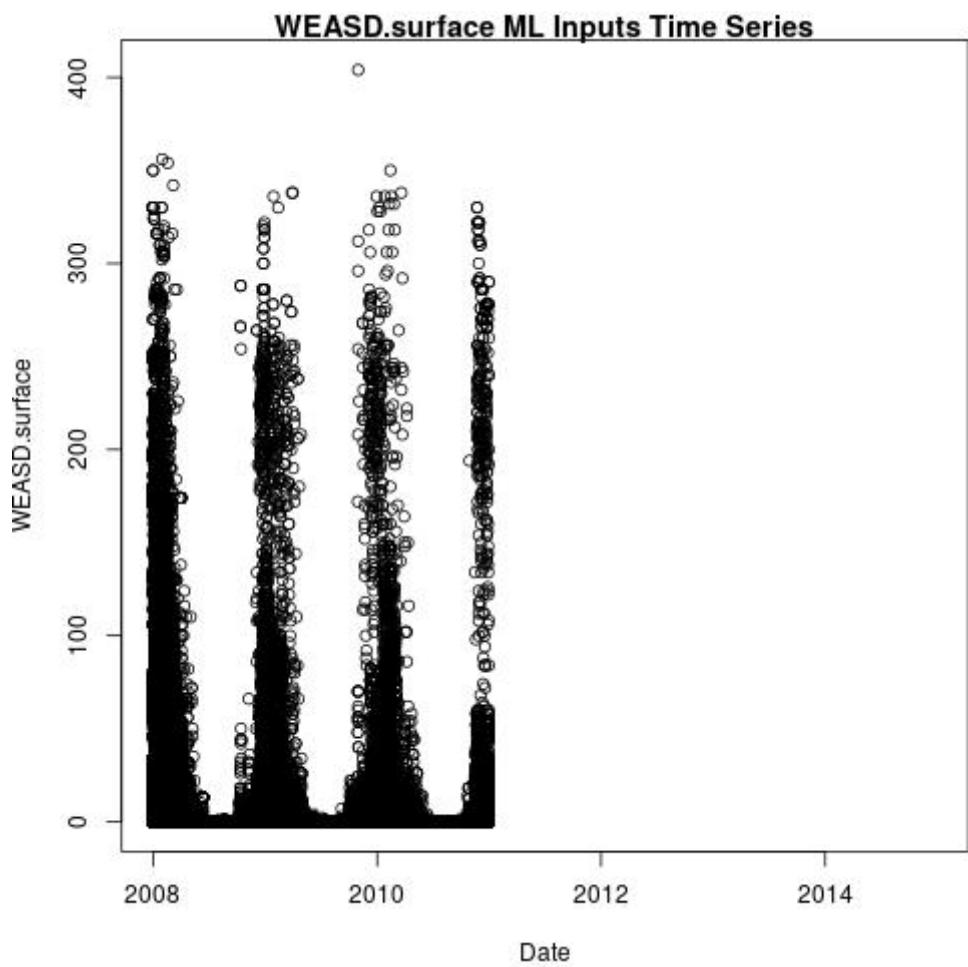


Figure 24: WEASD.surface ML Inputs Time Series

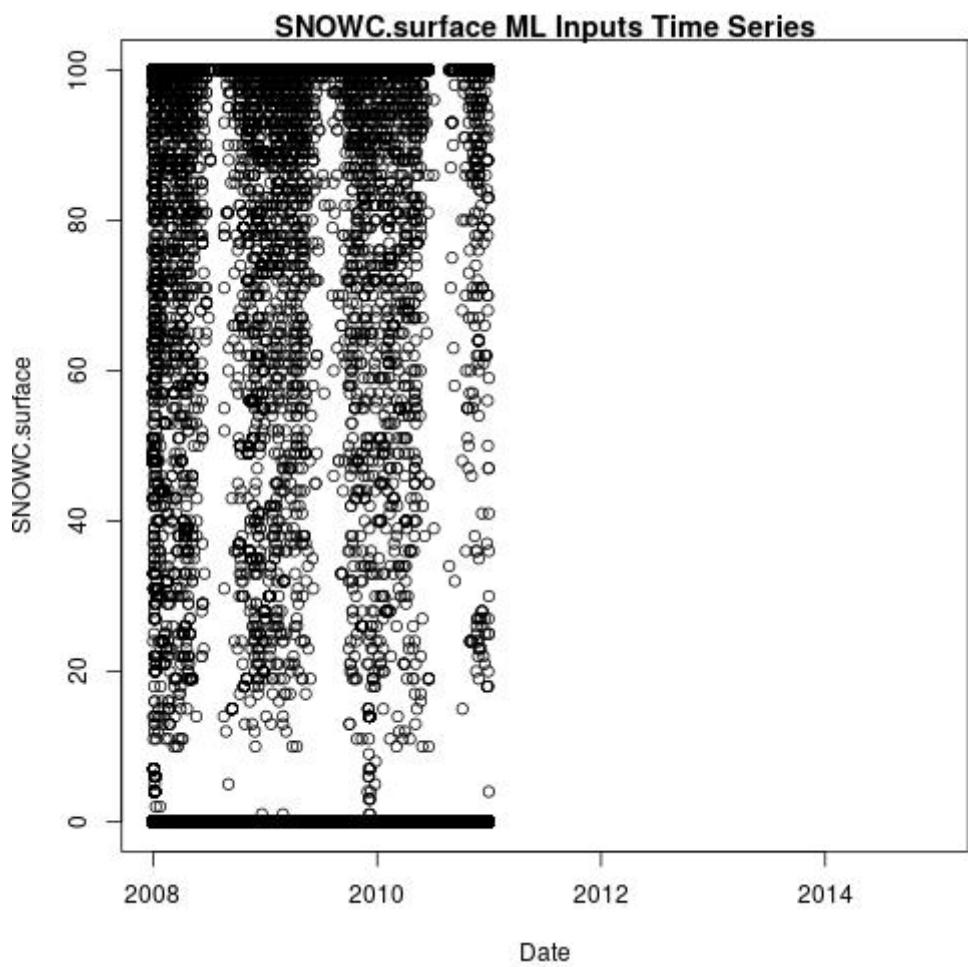


Figure 25: SNOWC.surface ML Inputs Time Series

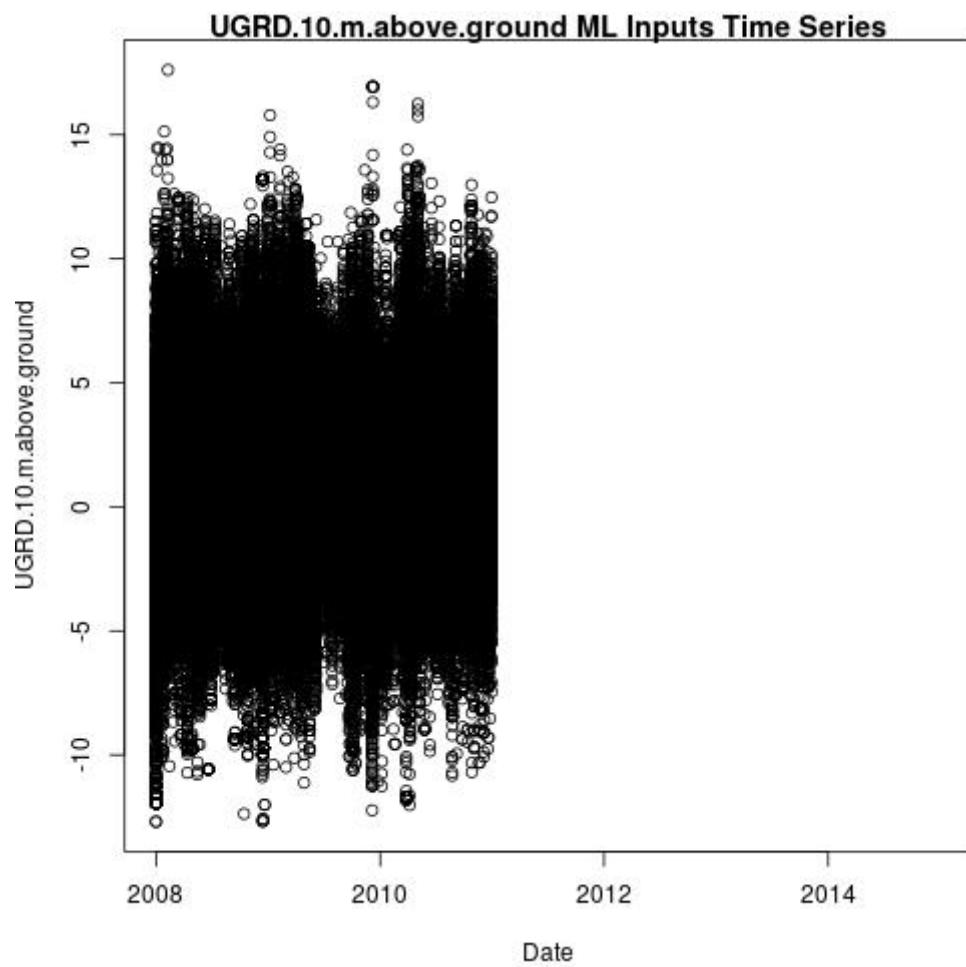


Figure 26: UGRD.10.m.above.ground ML Inputs Time Series

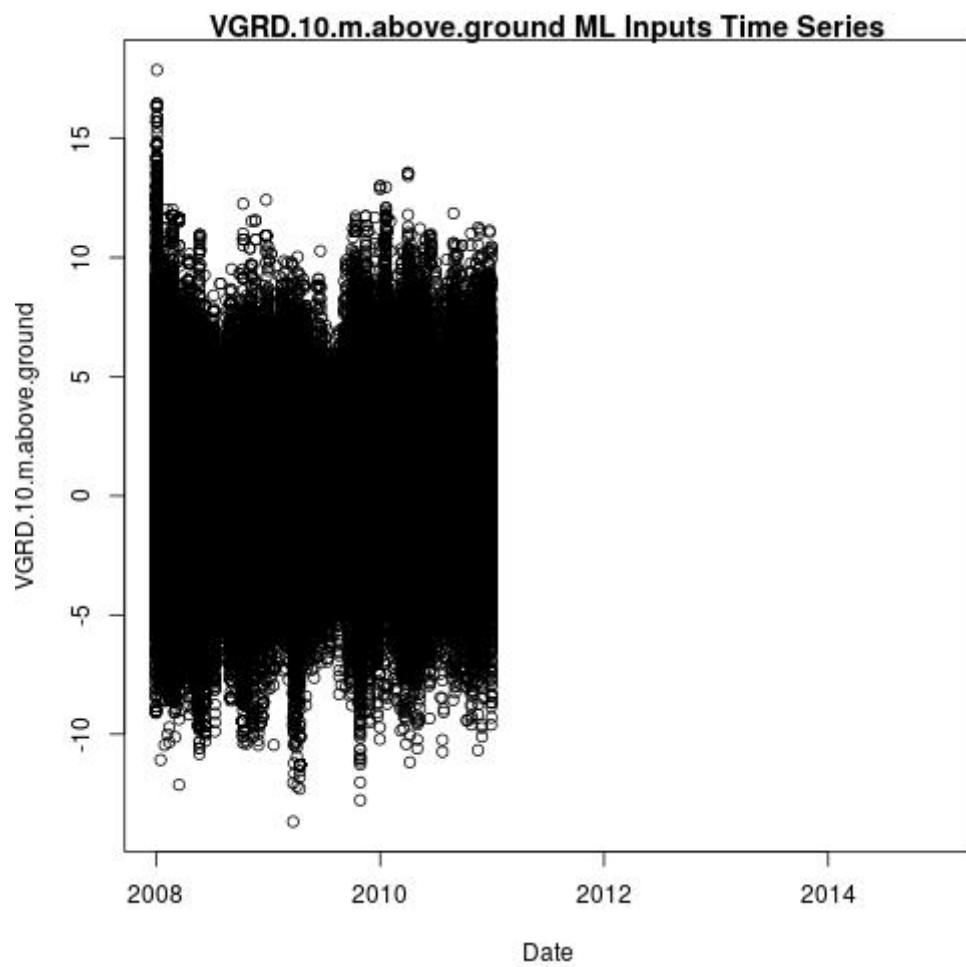


Figure 27: VGRD.10.m.above.ground ML Inputs Time Series

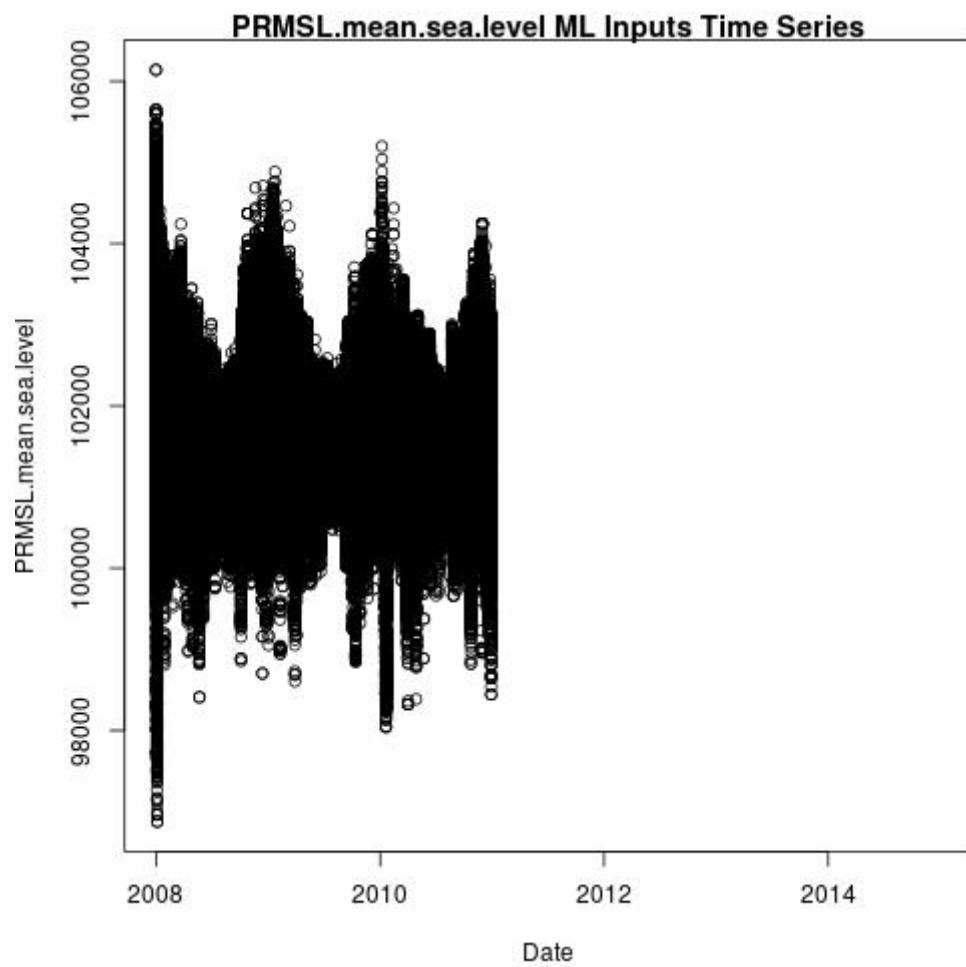


Figure 28: PRMSL.mean.sea.level ML Inputs Time Series

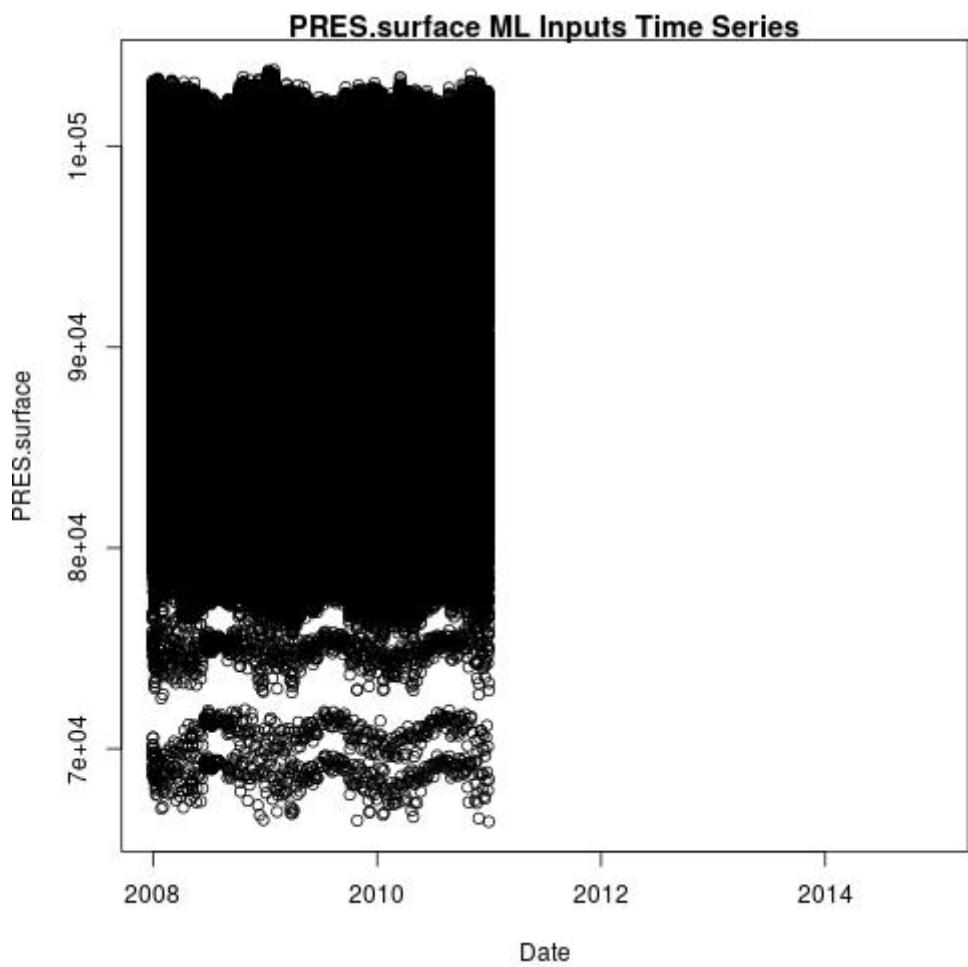


Figure 29: PRES.surface ML Inputs Time Series

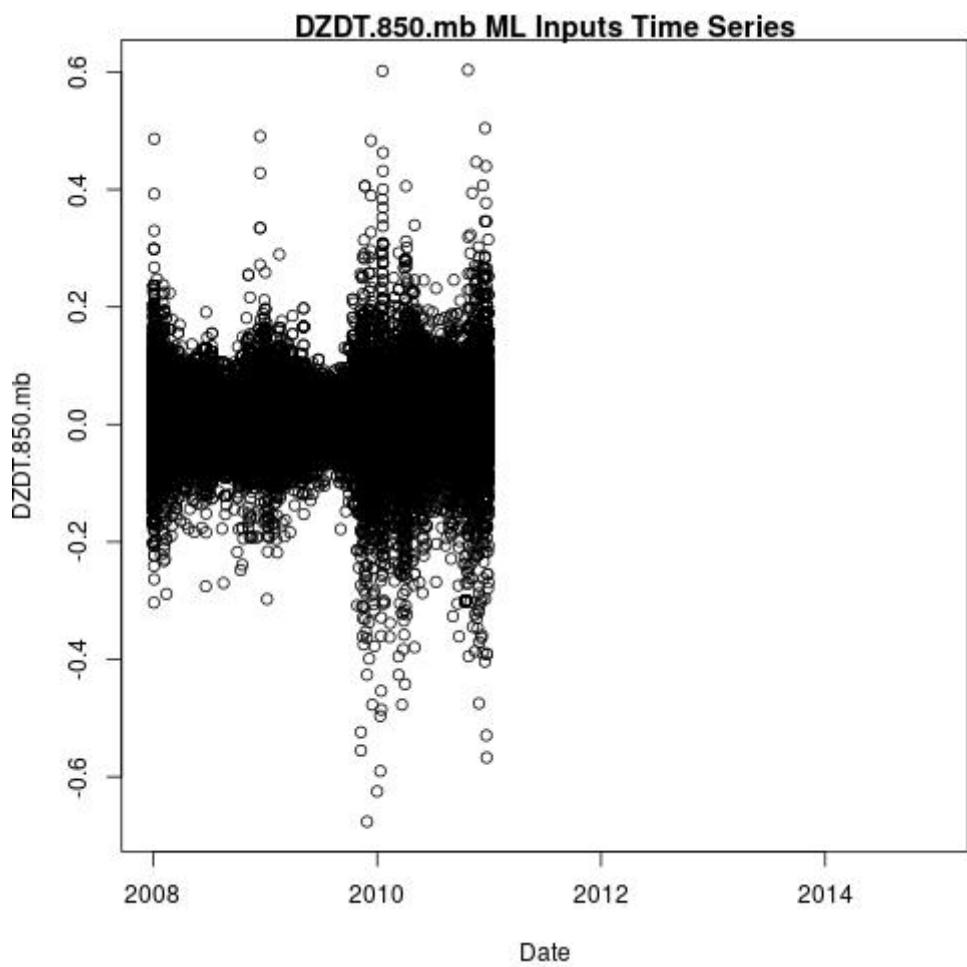


Figure 30: DZDT.850.mb ML Inputs Time Series

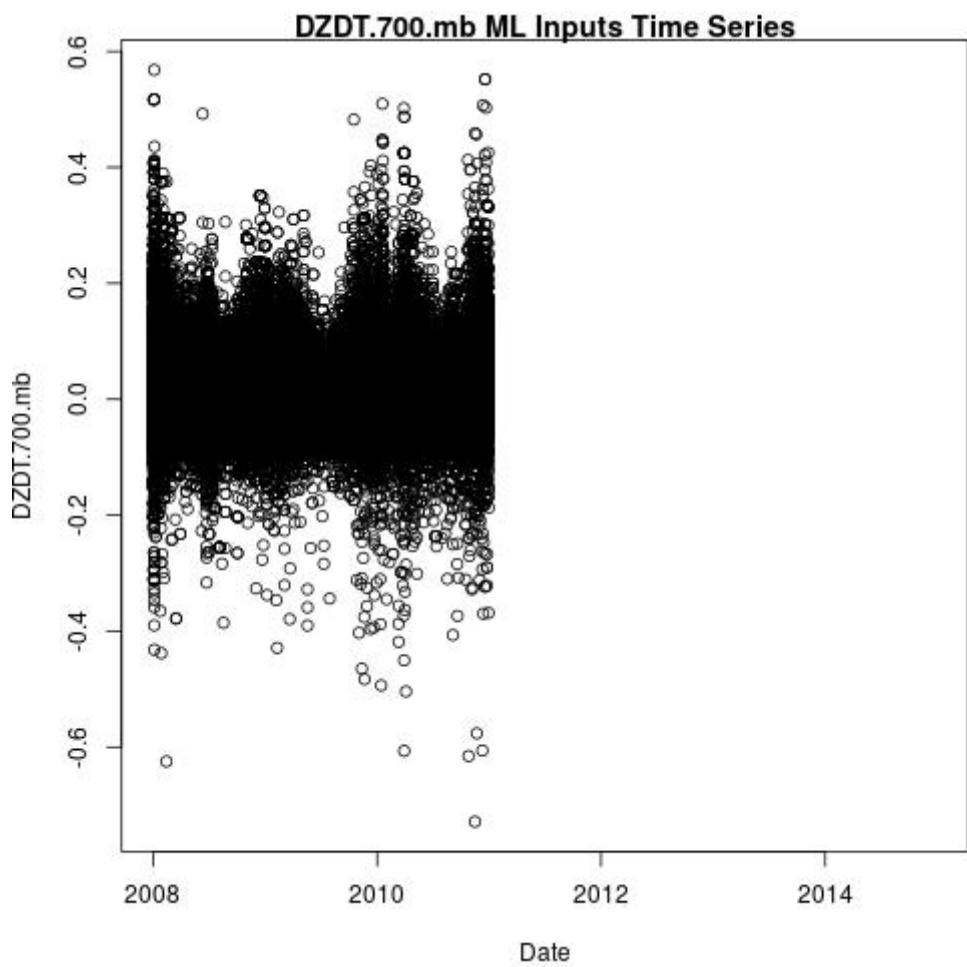


Figure 31: DZDT.700.mb ML Inputs Time Series

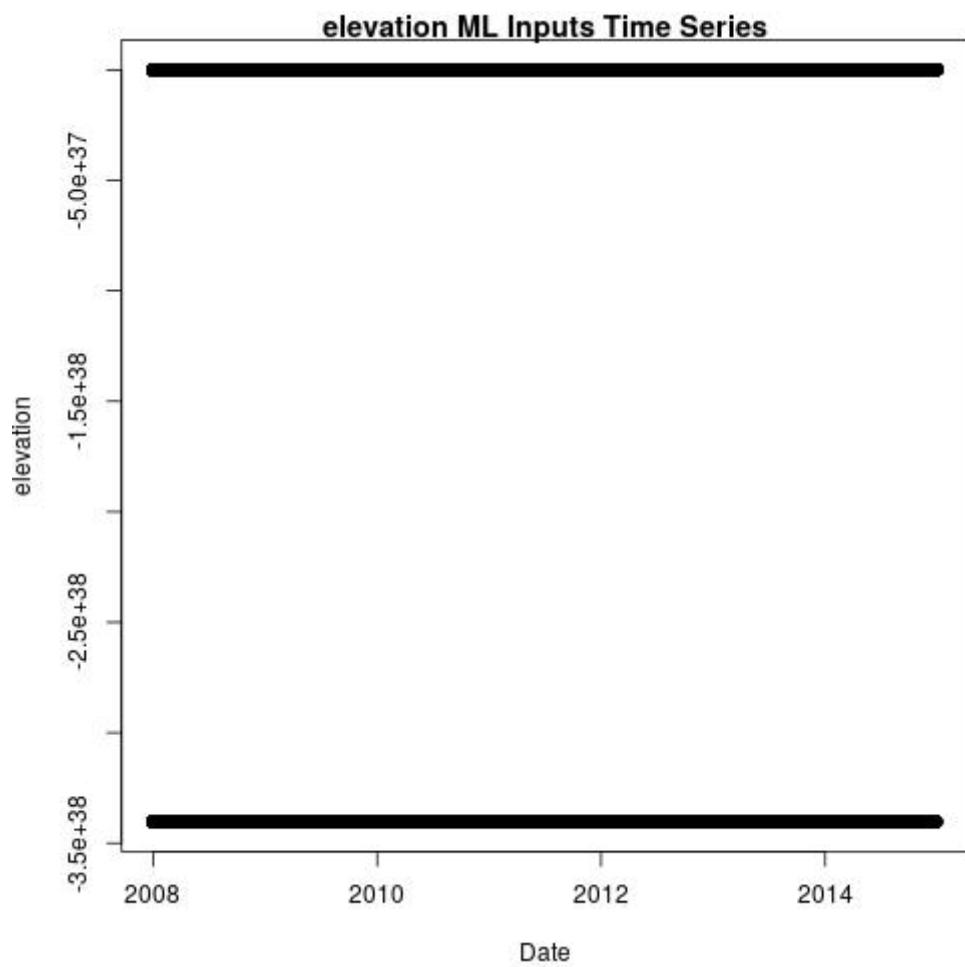


Figure 32: elevation ML Inputs Time Series

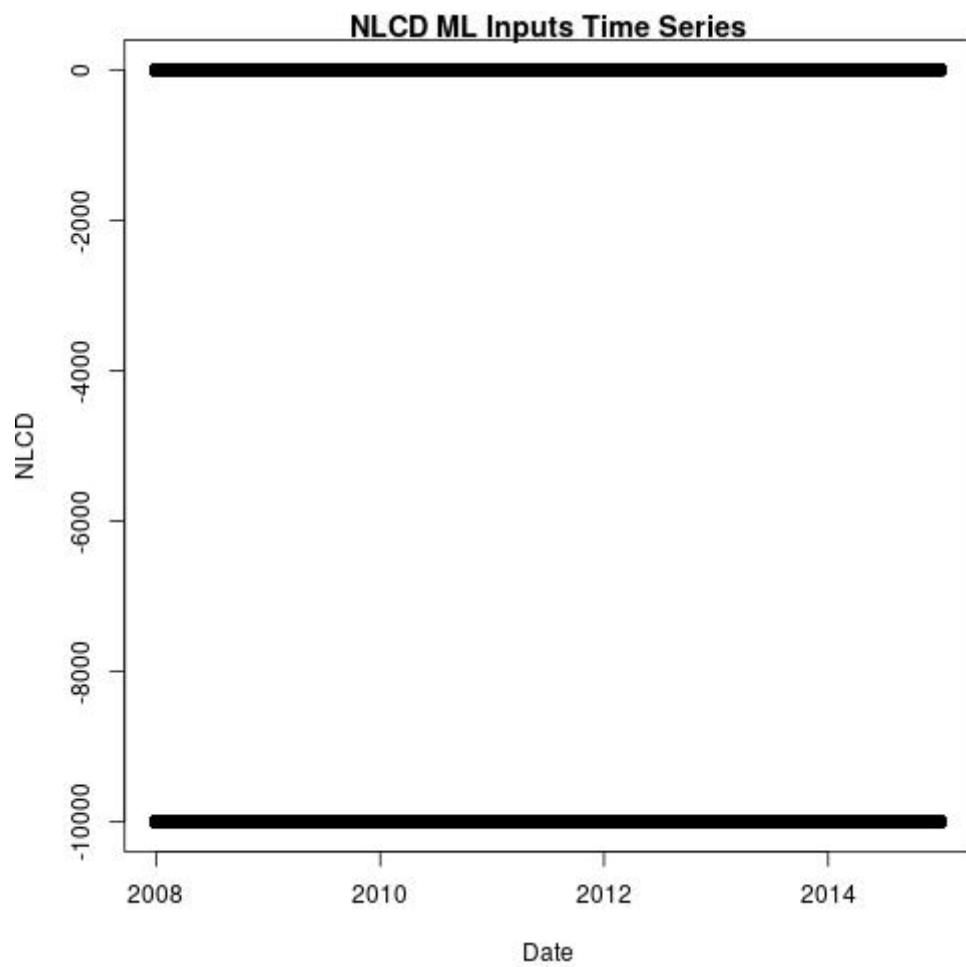


Figure 33: NLCD ML Inputs Time Series

PM2.5_Obs 2012-09-18

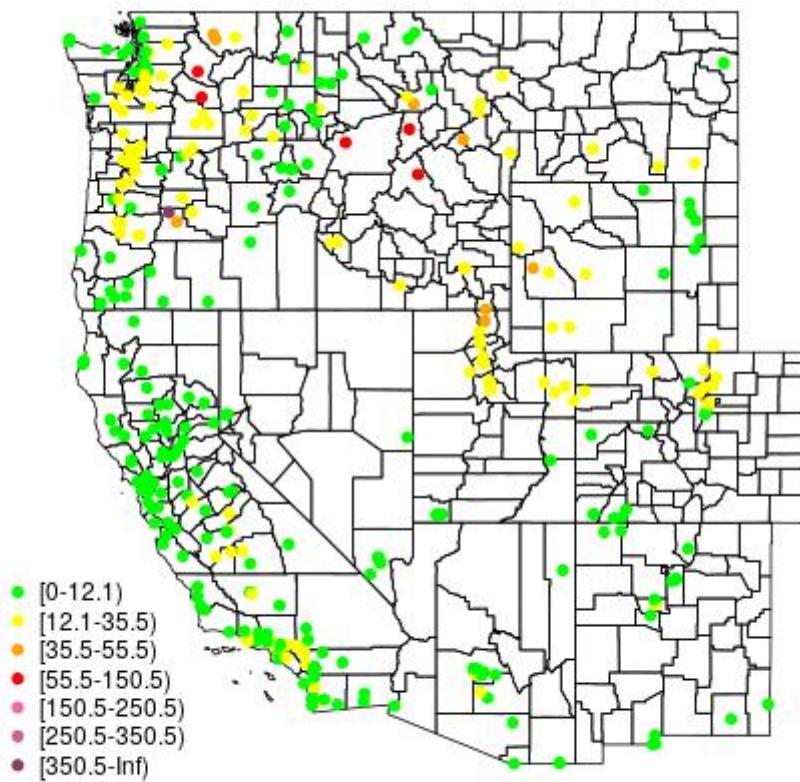


Figure 34: PM2.5-Obs 2012-09-18

1.2 ML Inputs Map subset of days Images

PM2.5_Obs 2012-09-19

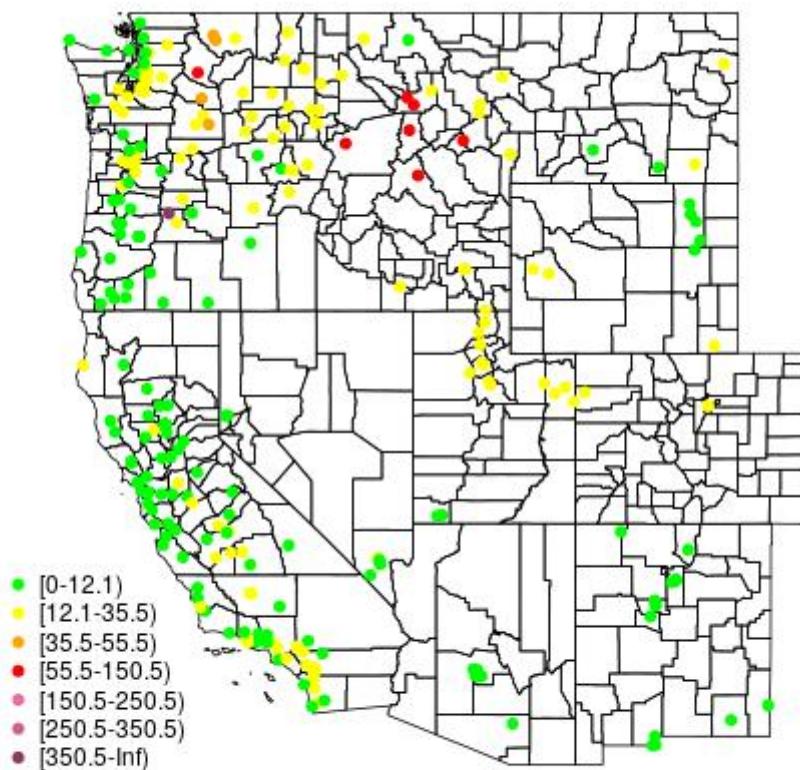


Figure 35: PM2.5-Obs 2012-09-19

PM2.5_Obs 2012-09-20

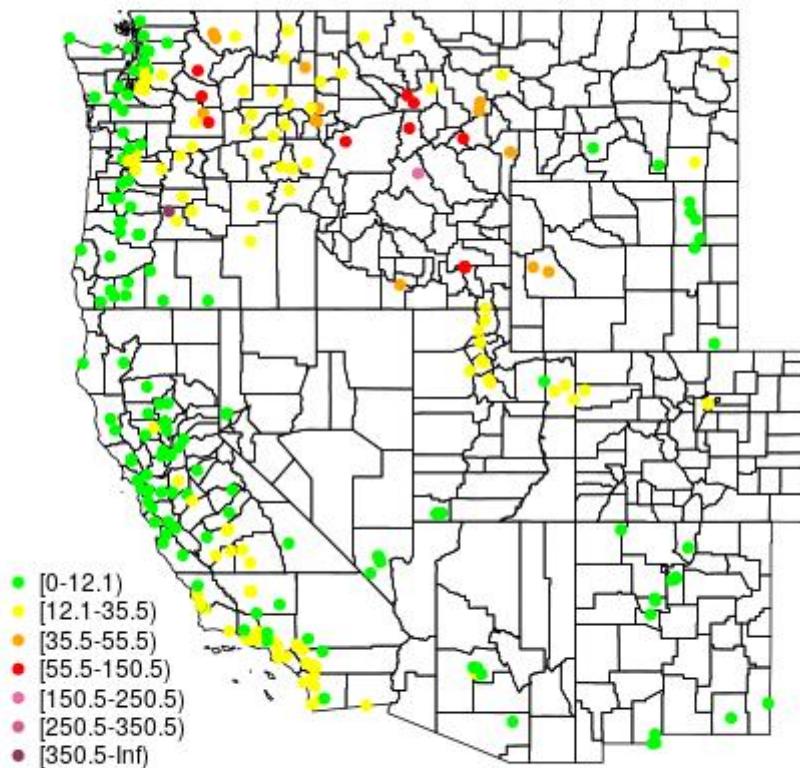


Figure 36: PM2.5-Obs 2012-09-20

PM2.5_Obs 2011-05-16

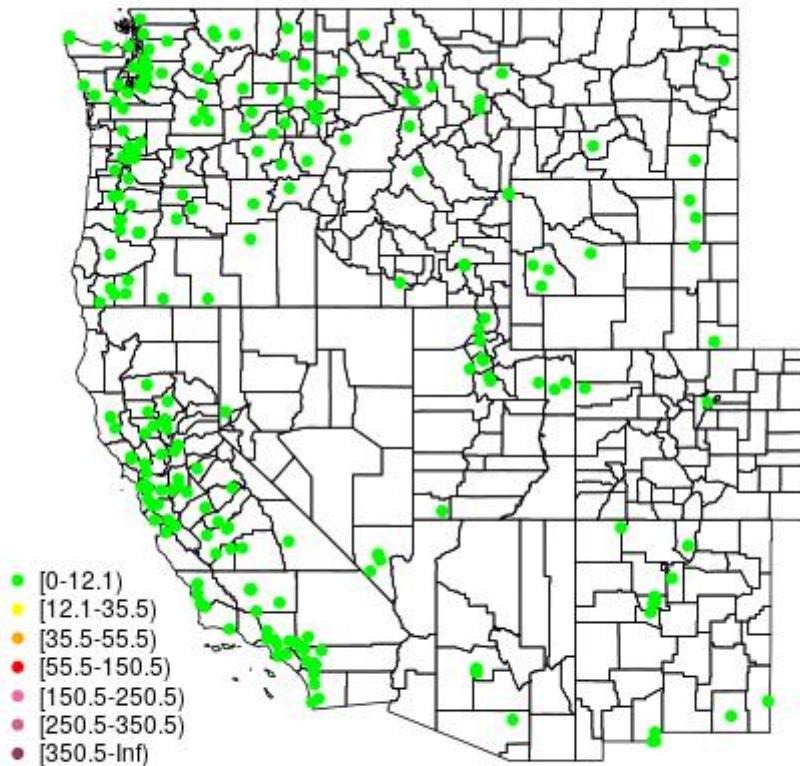


Figure 37: PM2.5-Obs 2011-05-16

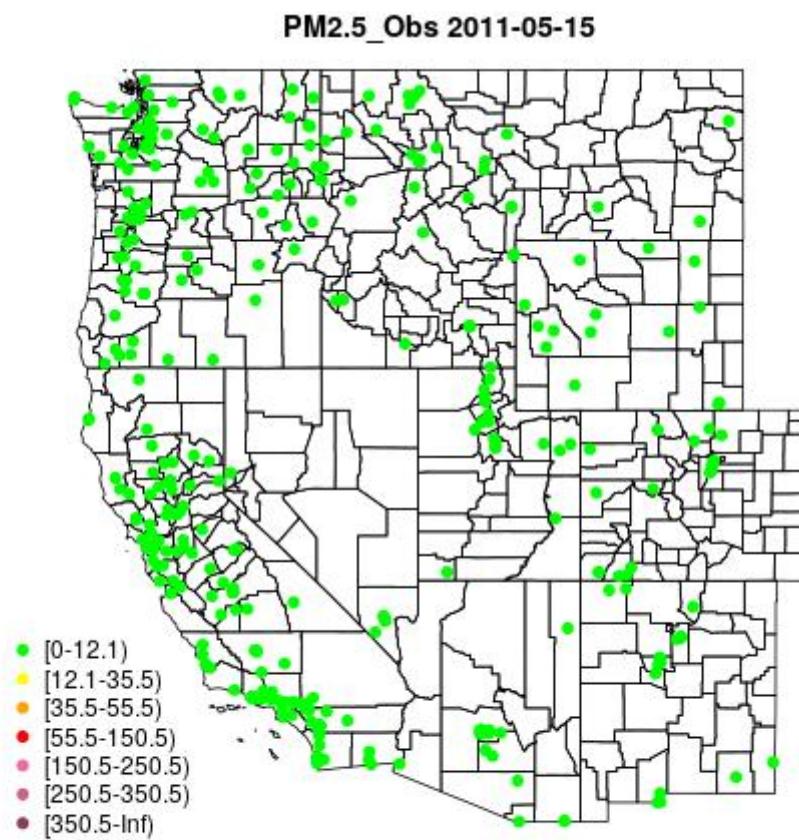


Figure 38: PM2.5-Obs 2011-05-15

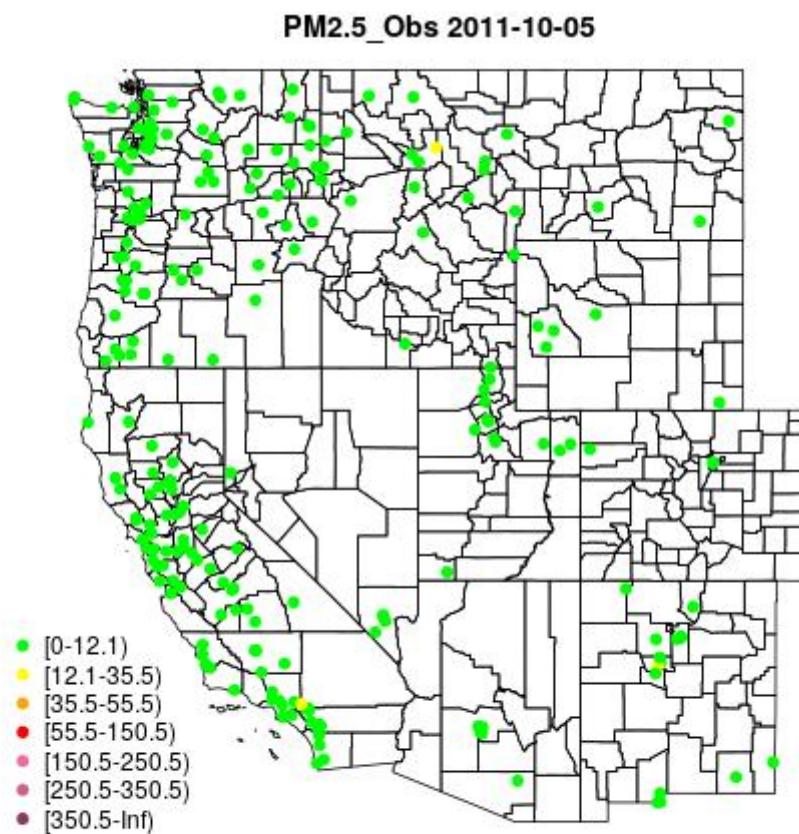


Figure 39: PM2.5-Obs 2011-10-05

A_100 2012-09-18

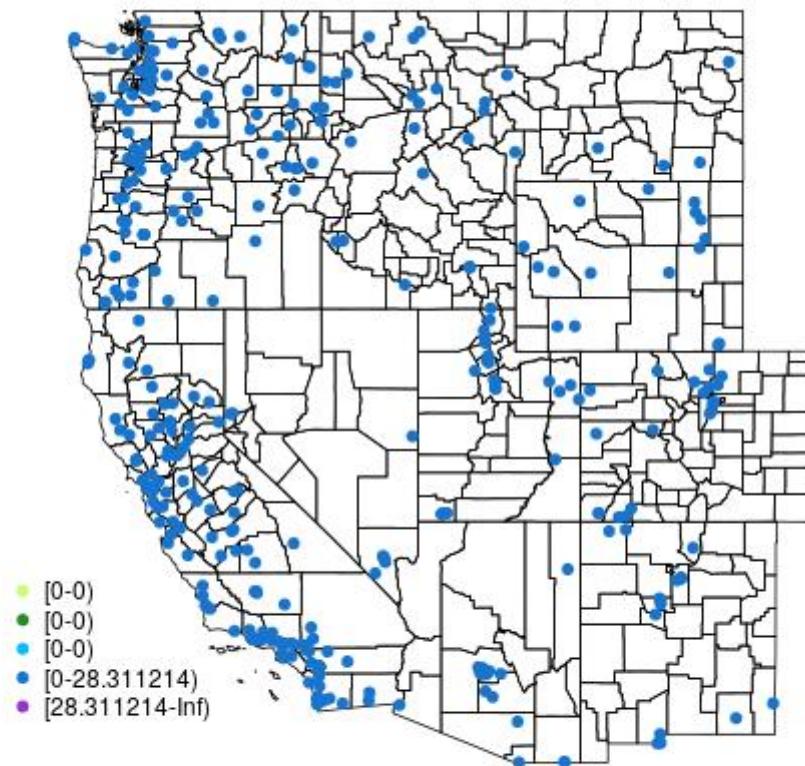


Figure 40: A-100 2012-09-18

A_100 2012-09-19

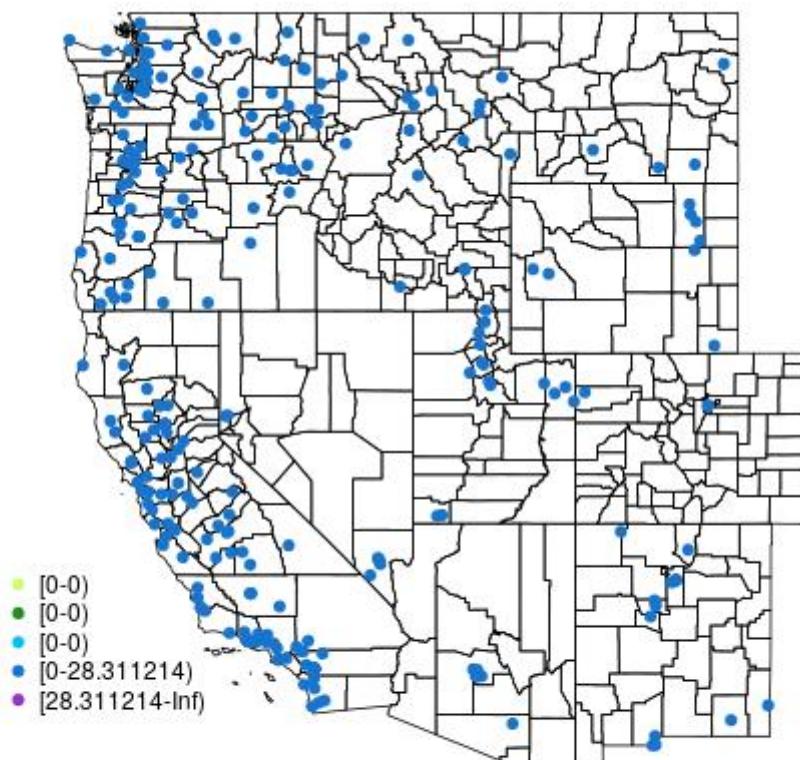


Figure 41: A-100 2012-09-19

A_100 2012-09-20

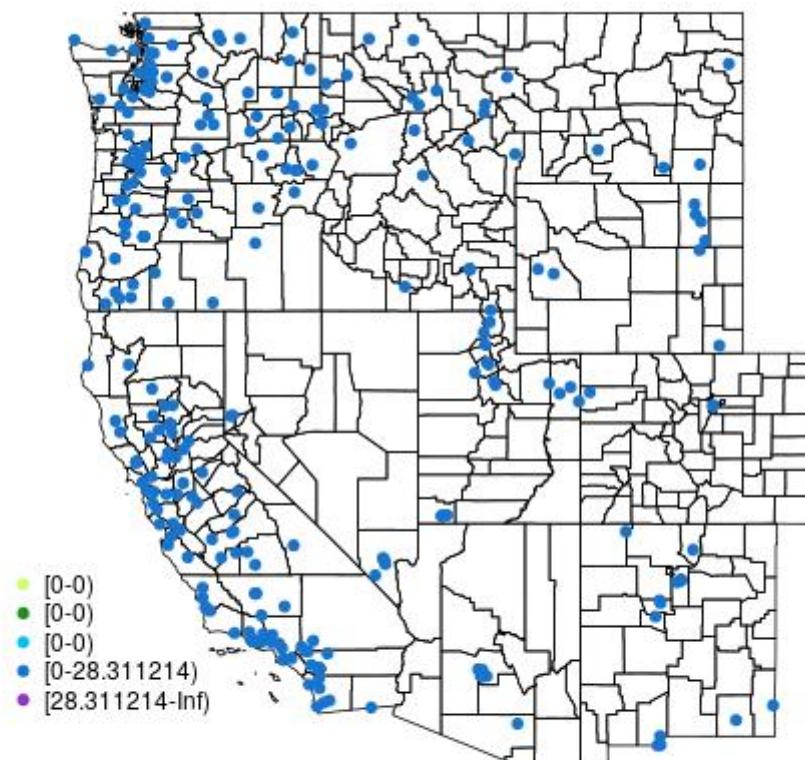


Figure 42: A-100 2012-09-20

A_100 2011-05-16

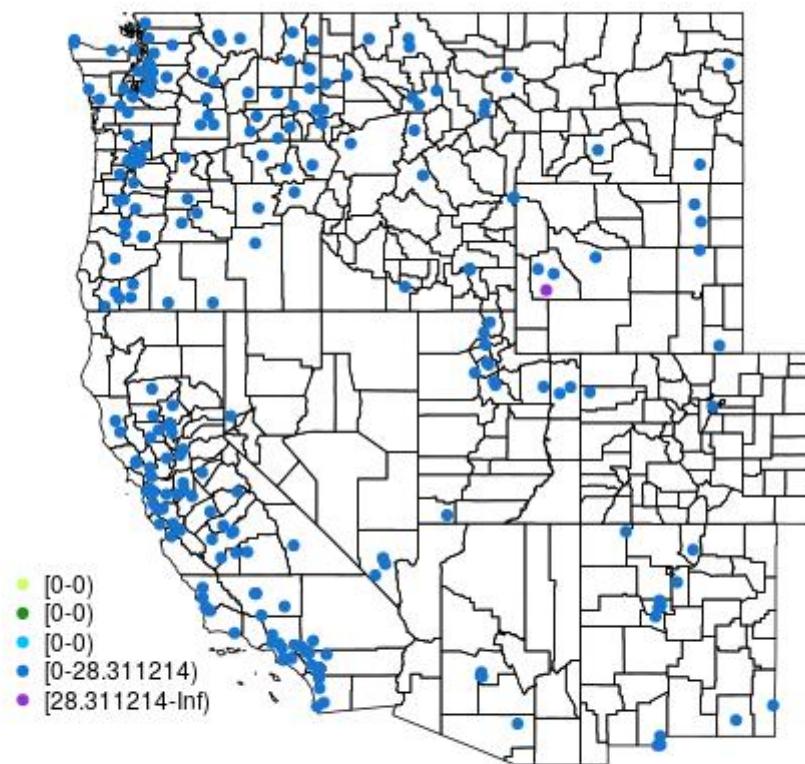


Figure 43: A-100 2011-05-16

A_100 2011-05-15

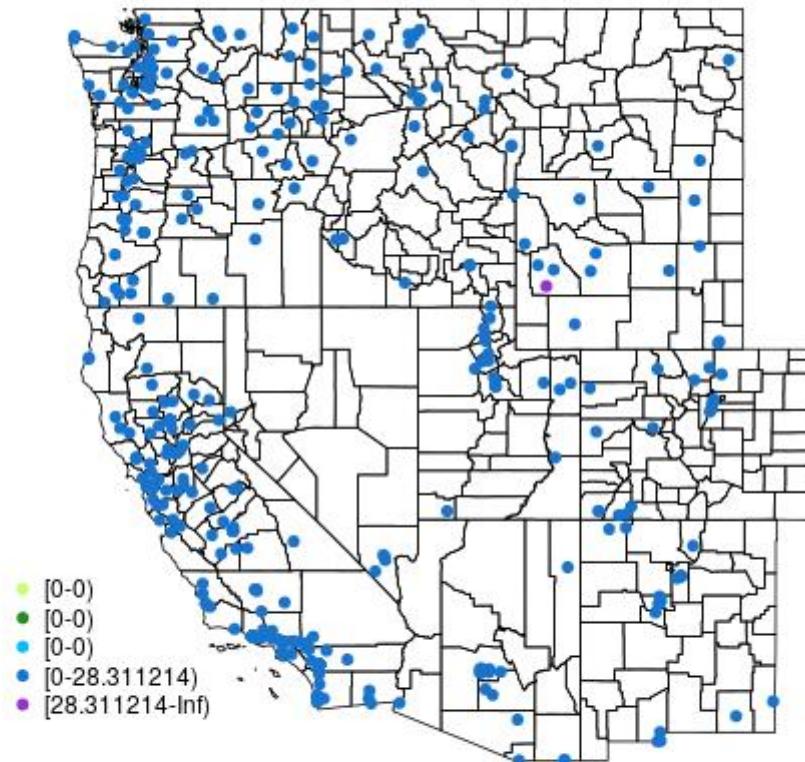


Figure 44: A-100 2011-05-15

A_100 2011-10-05

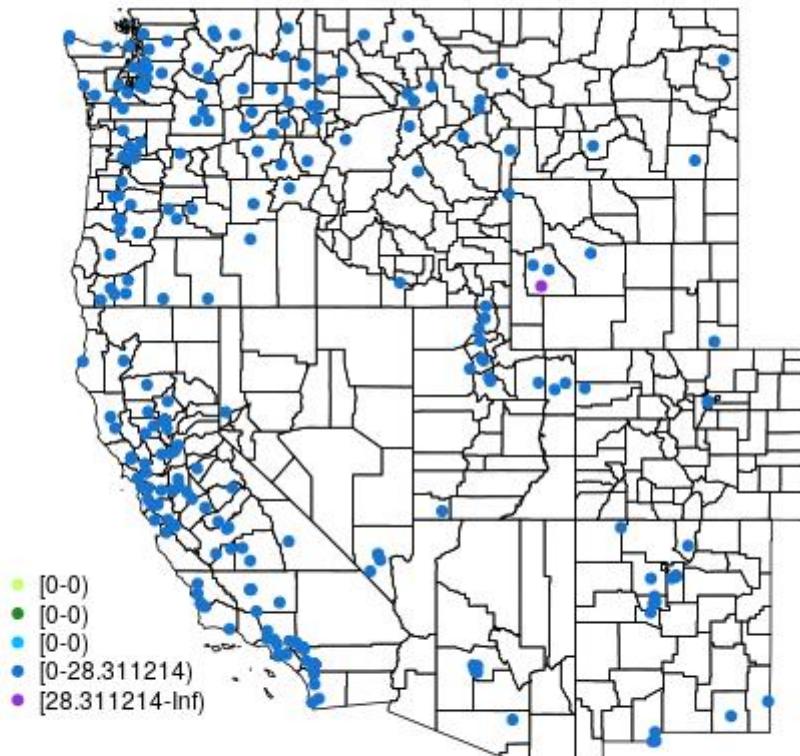


Figure 45: A-100 2011-10-05

C_100 2012-09-18

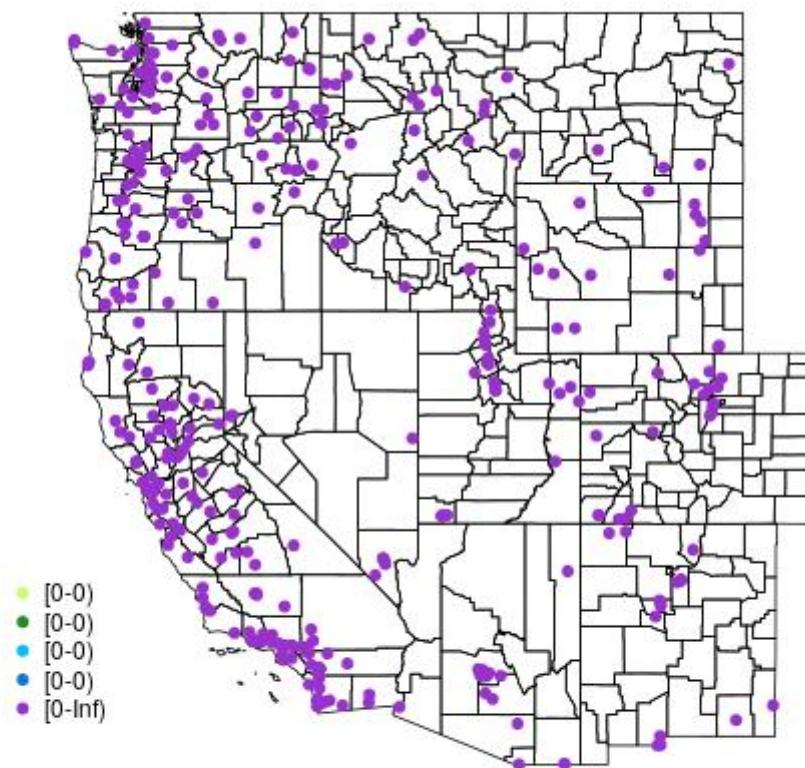


Figure 46: C-100 2012-09-18

C_100 2012-09-19

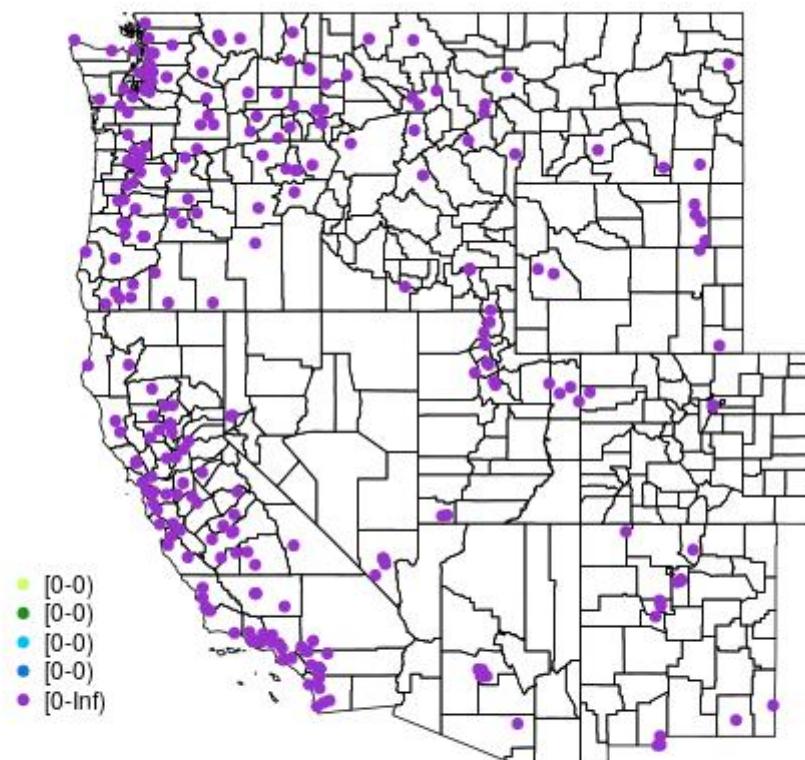


Figure 47: C-100 2012-09-19

C_100 2012-09-20

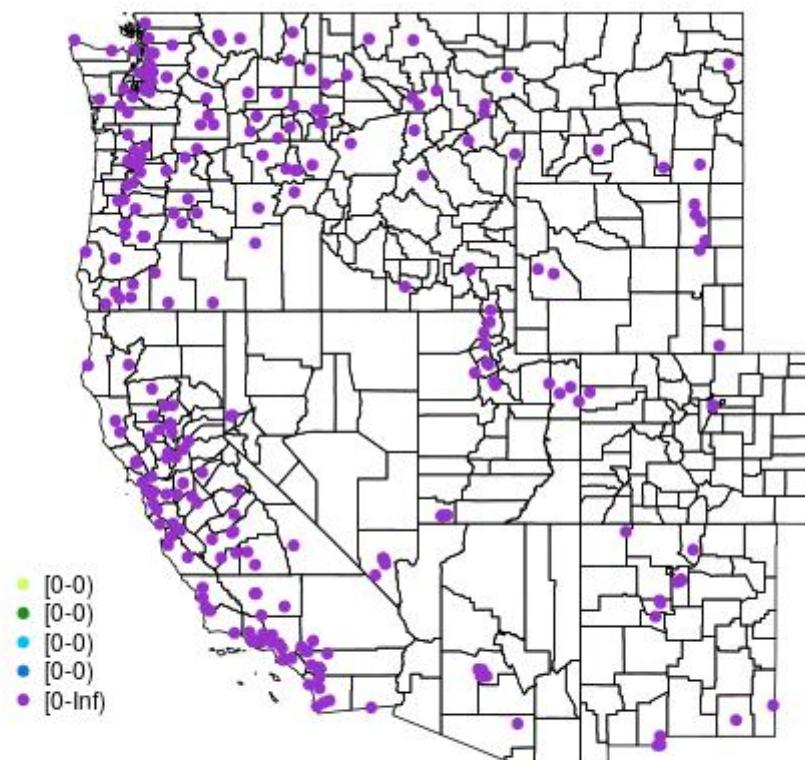


Figure 48: C-100 2012-09-20

C_100 2011-05-16

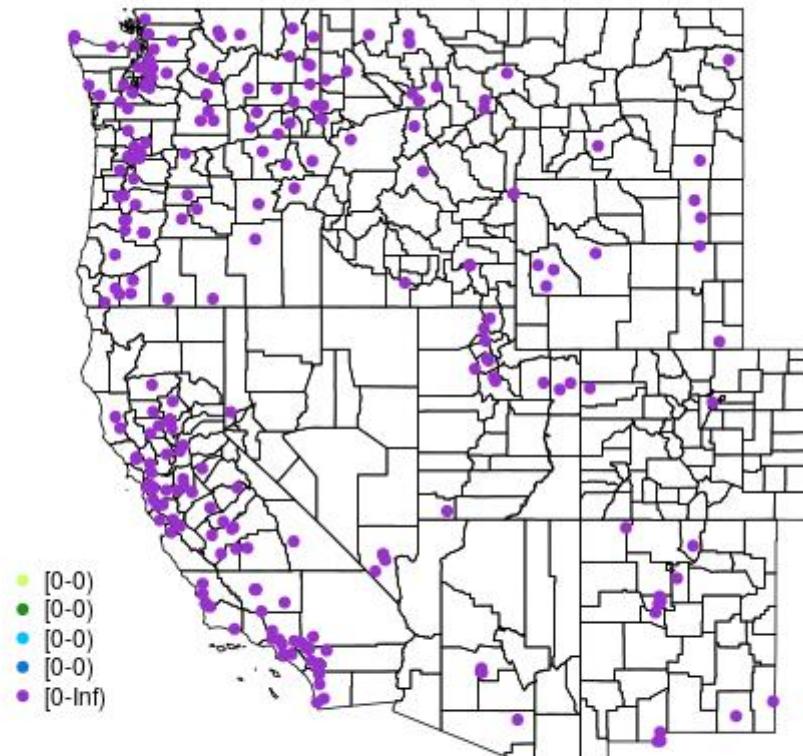


Figure 49: C-100 2011-05-16

C_100 2011-05-15

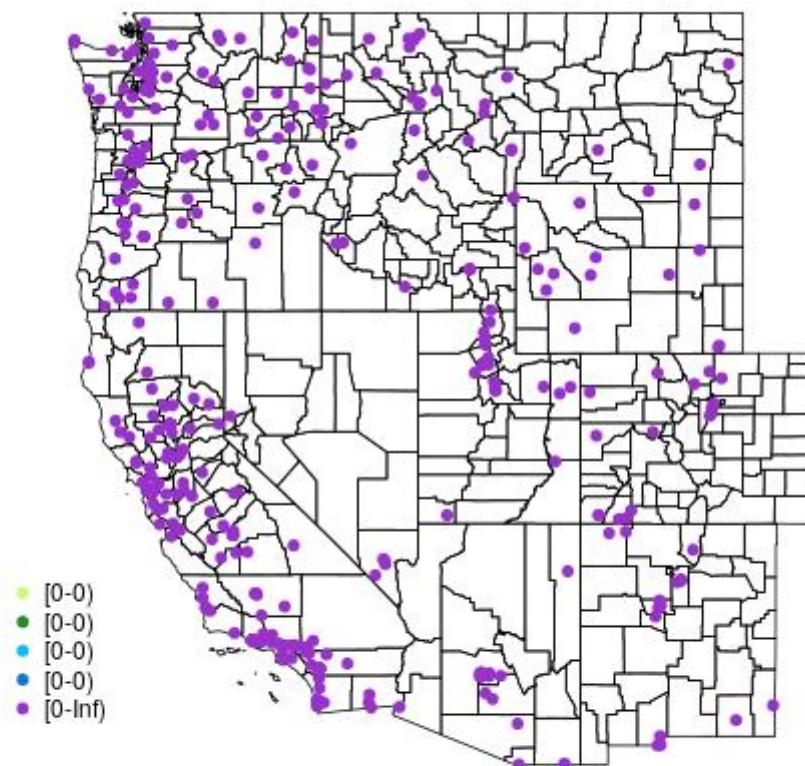


Figure 50: C-100 2011-05-15

C_100 2011-10-05

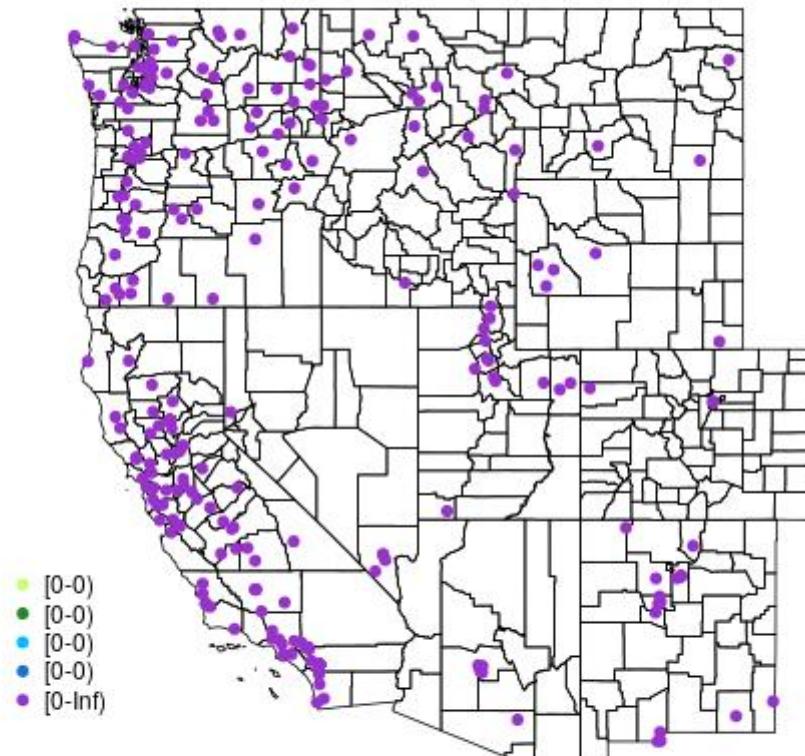


Figure 51: C-100 2011-10-05

Both_100 2012-09-18

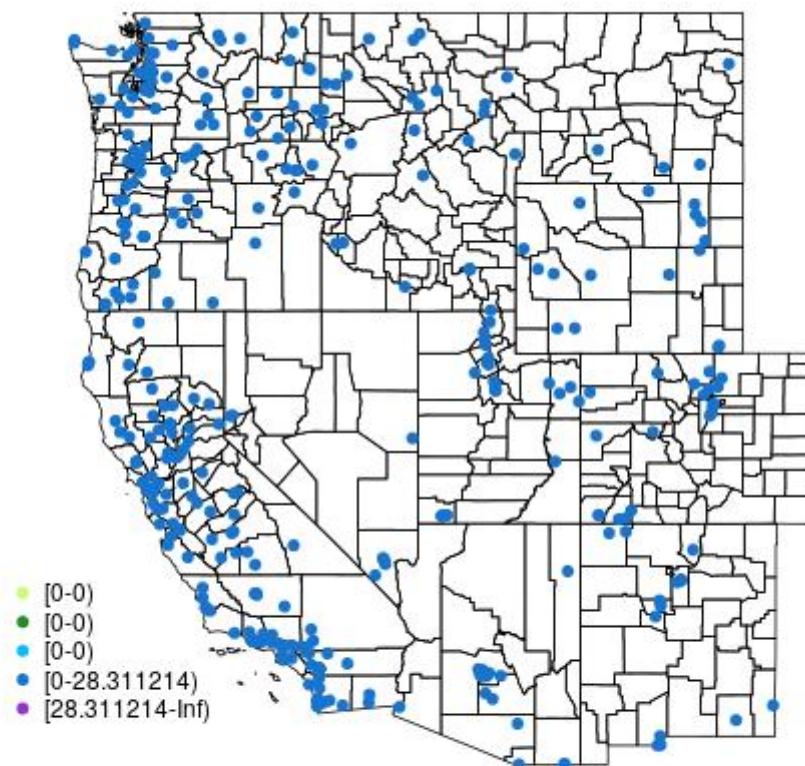


Figure 52: Both-100 2012-09-18

Both_100 2012-09-19

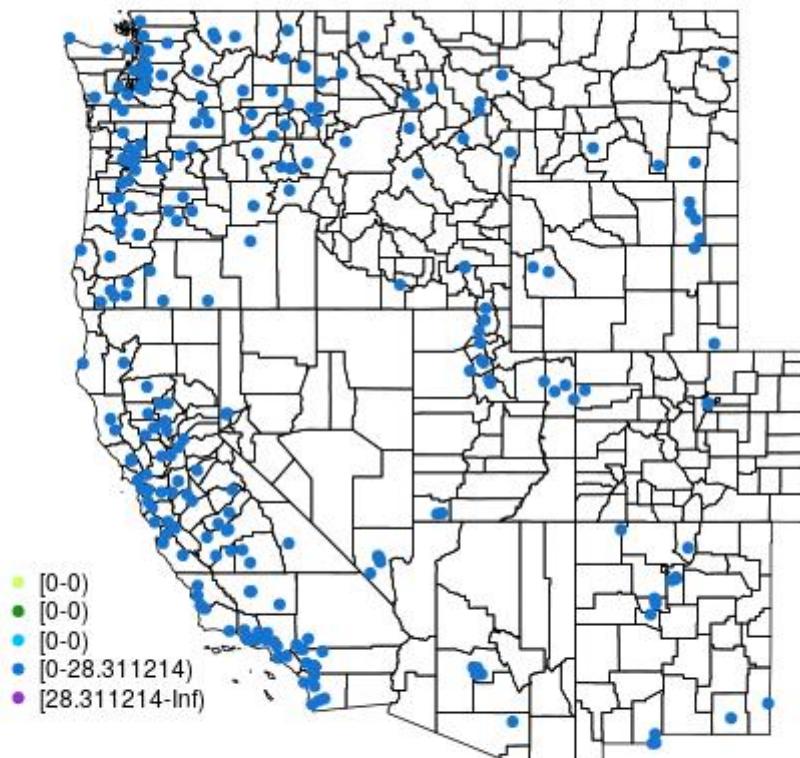


Figure 53: Both-100 2012-09-19

Both_100 2012-09-20

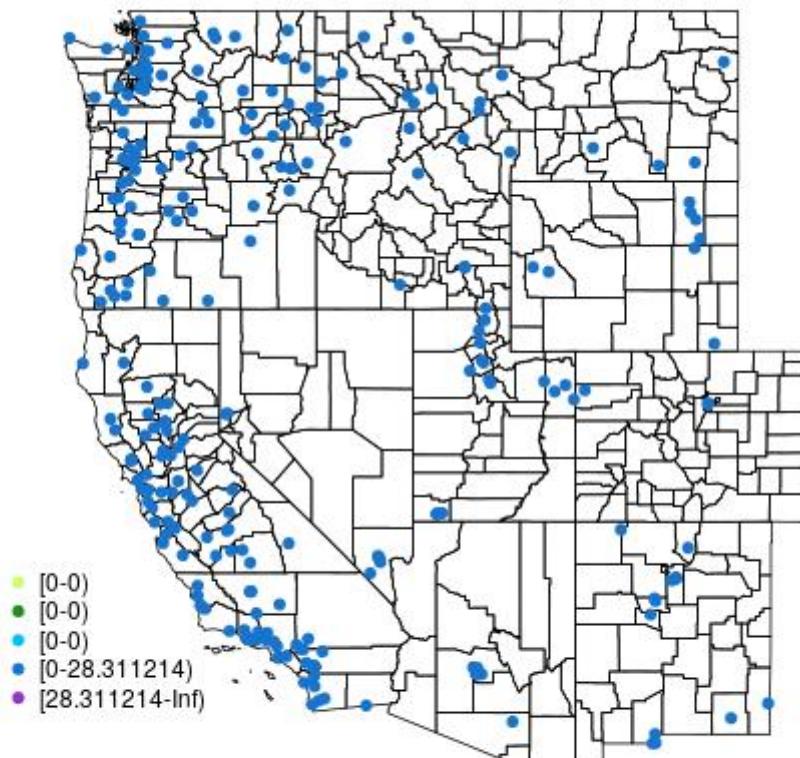


Figure 54: Both-100 2012-09-20

Both_100 2011-05-16

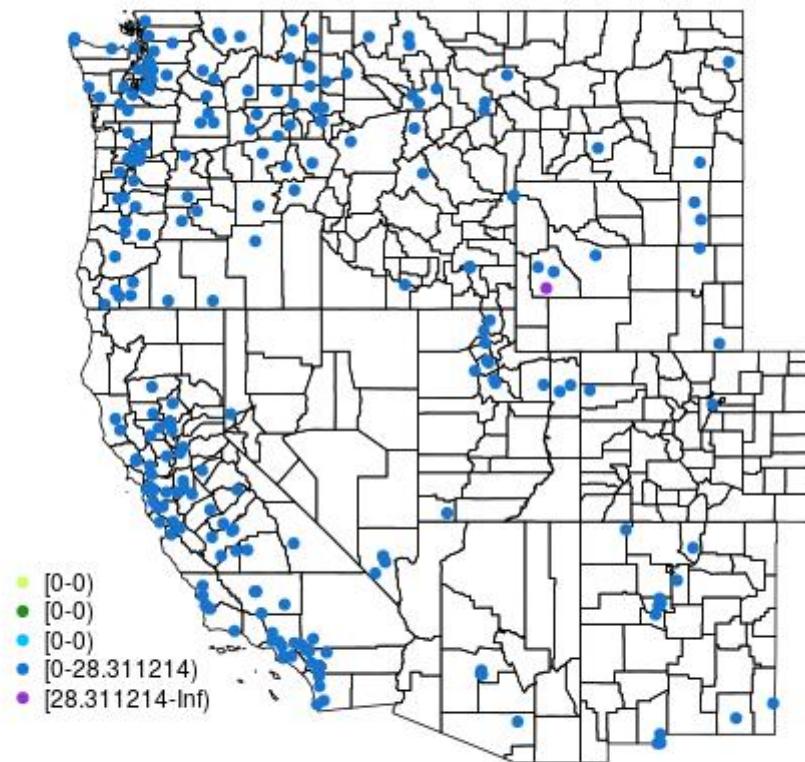


Figure 55: Both-100 2011-05-16

Both_100 2011-05-15

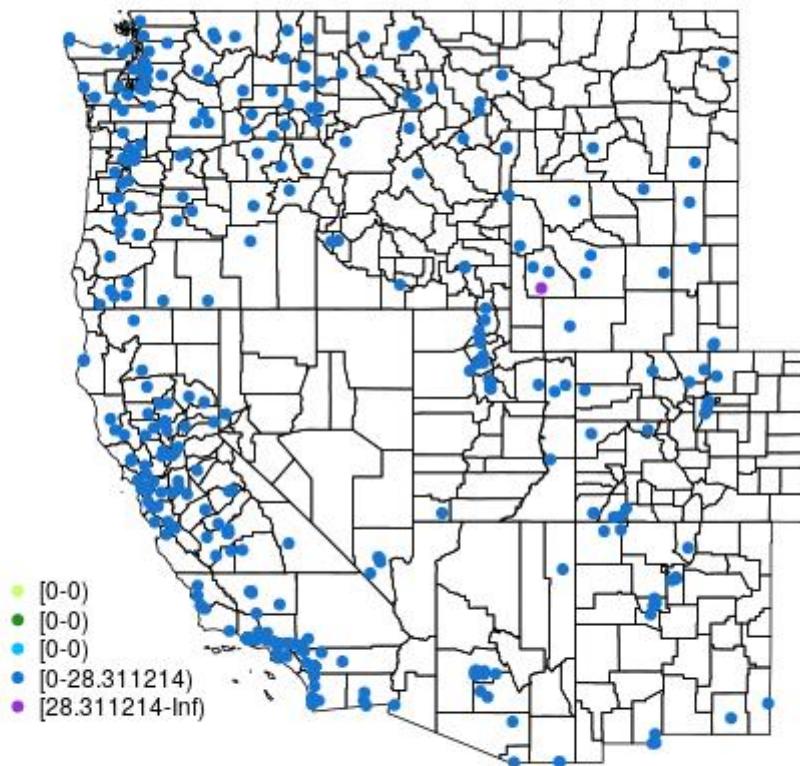


Figure 56: Both-100 2011-05-15

Both_100 2011-10-05

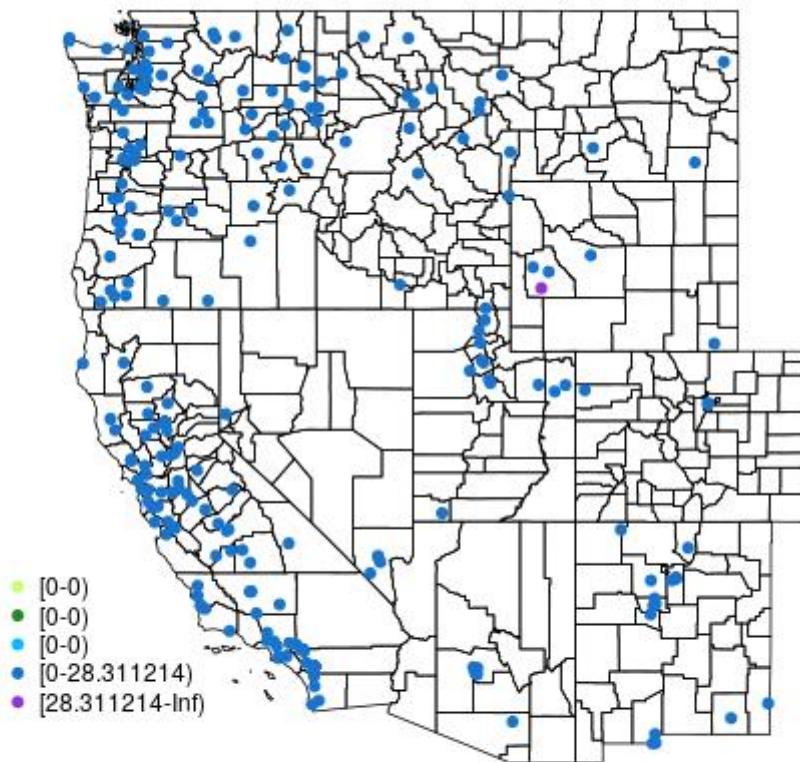


Figure 57: Both-100 2011-10-05

A_250 2012-09-18

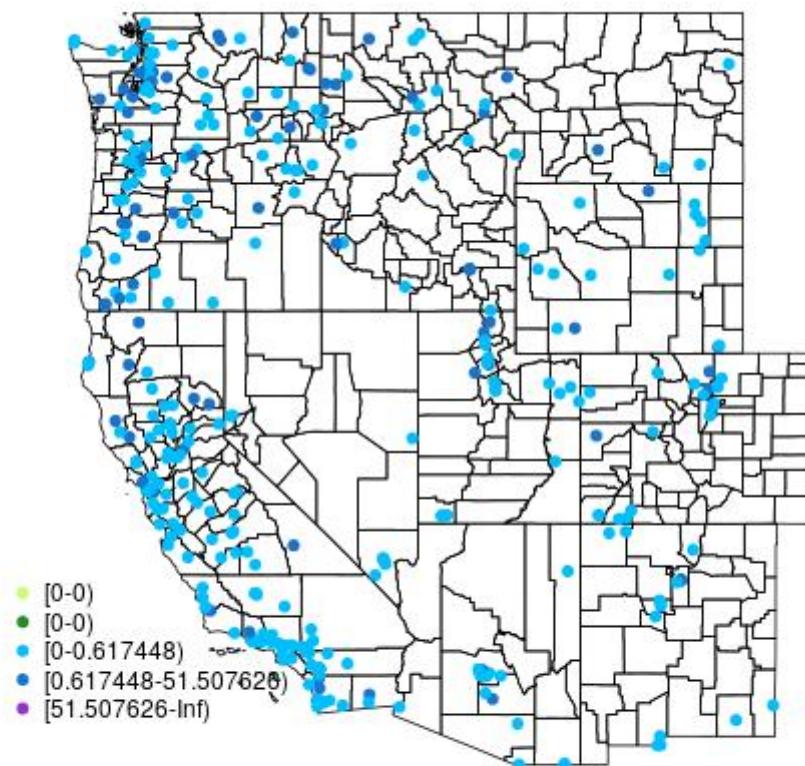


Figure 58: A-250 2012-09-18

A_250 2012-09-19

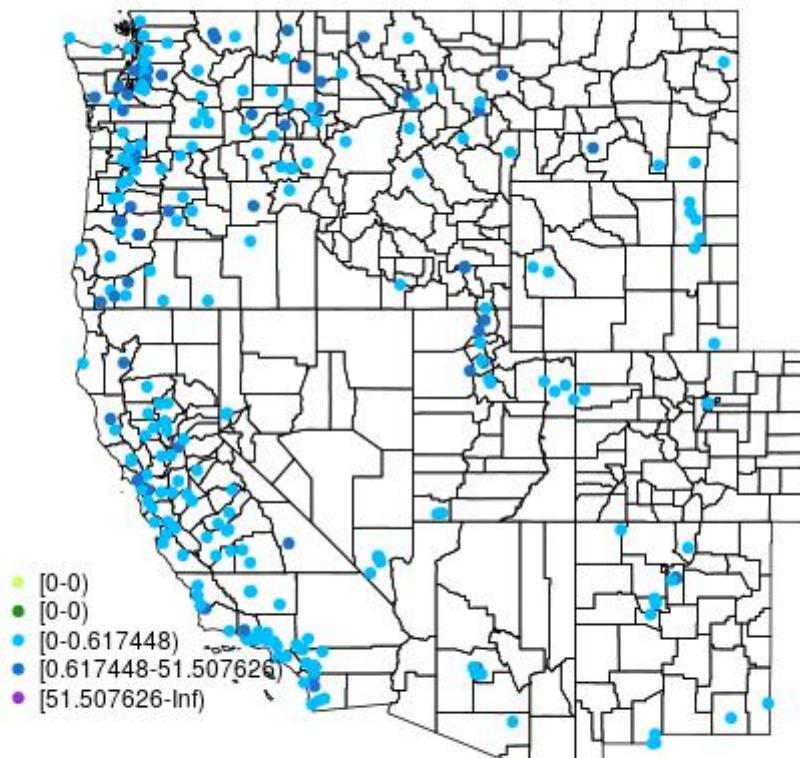


Figure 59: A-250 2012-09-19

A_250 2012-09-20

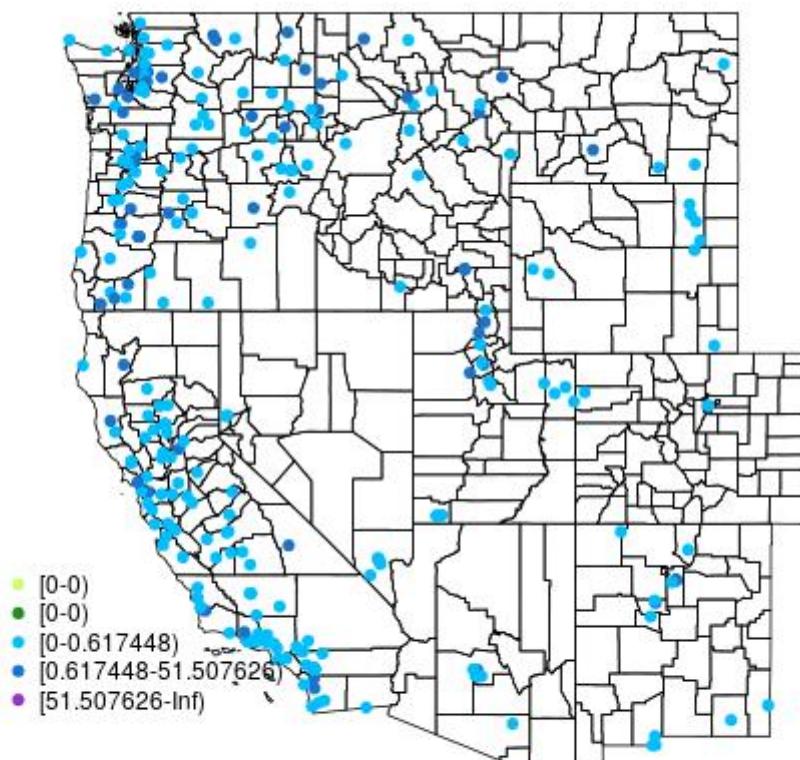


Figure 60: A-250 2012-09-20

A_250 2011-05-16

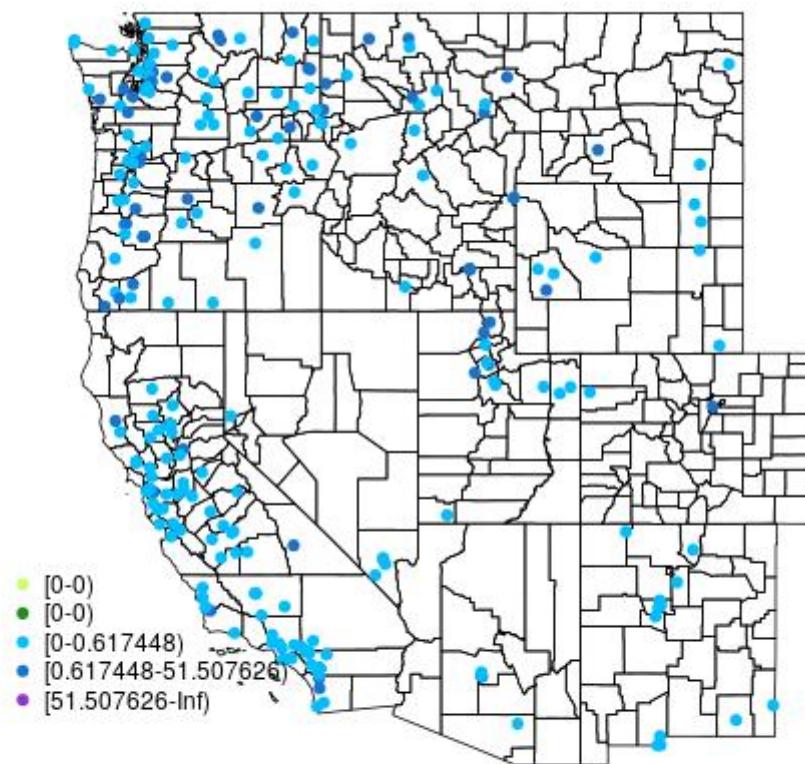


Figure 61: A-250 2011-05-16

A_250 2011-05-15

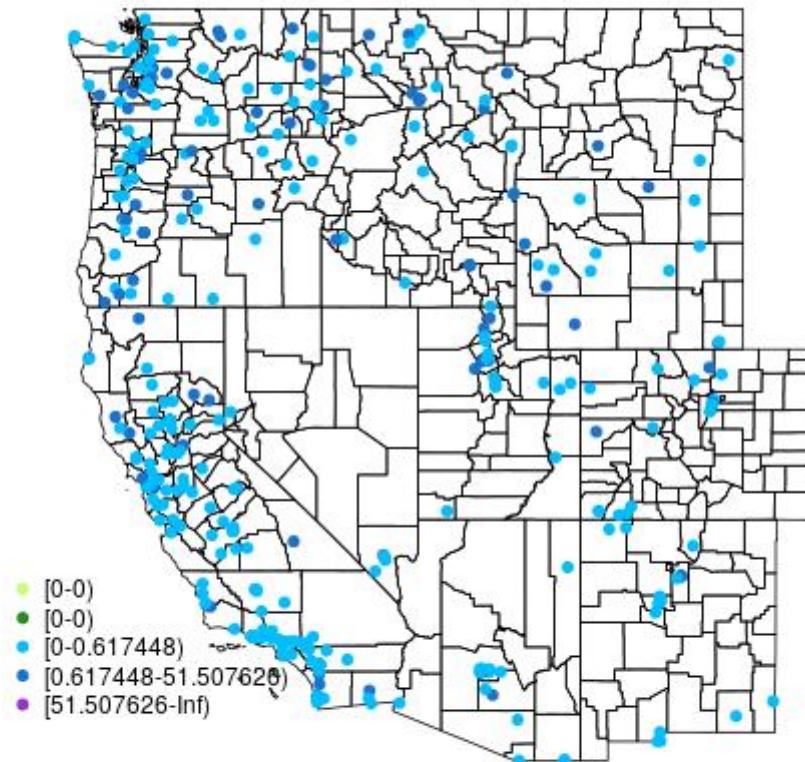


Figure 62: A-250 2011-05-15

A_250 2011-10-05

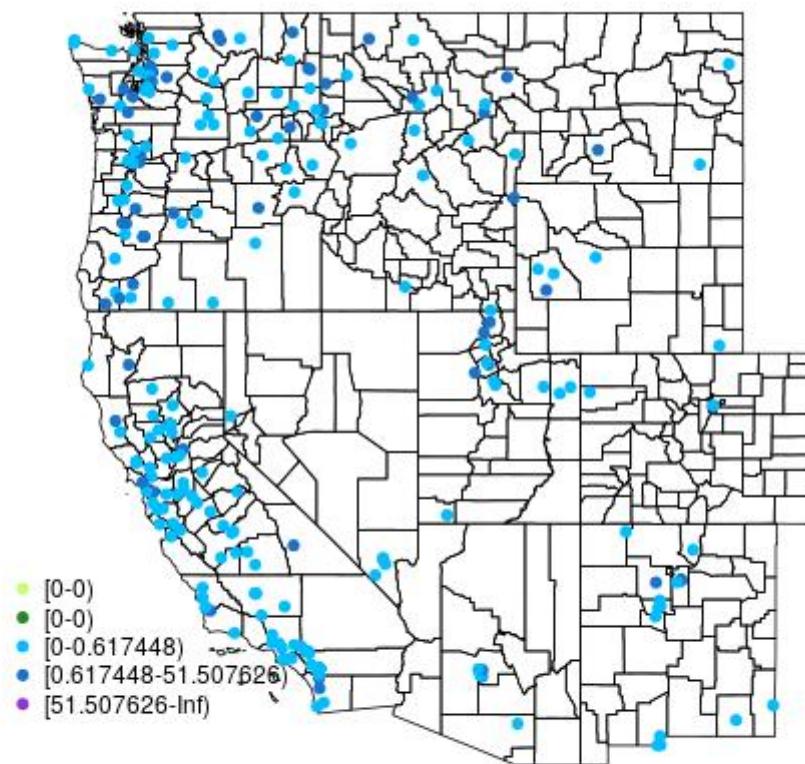


Figure 63: A-250 2011-10-05

C_250 2012-09-18

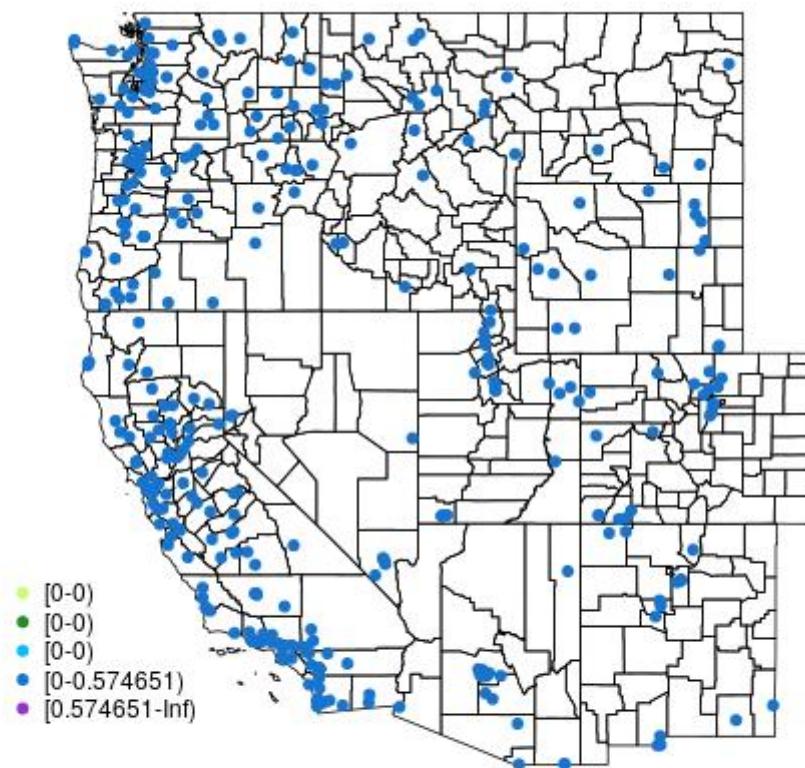


Figure 64: C-250 2012-09-18

C_250 2012-09-19

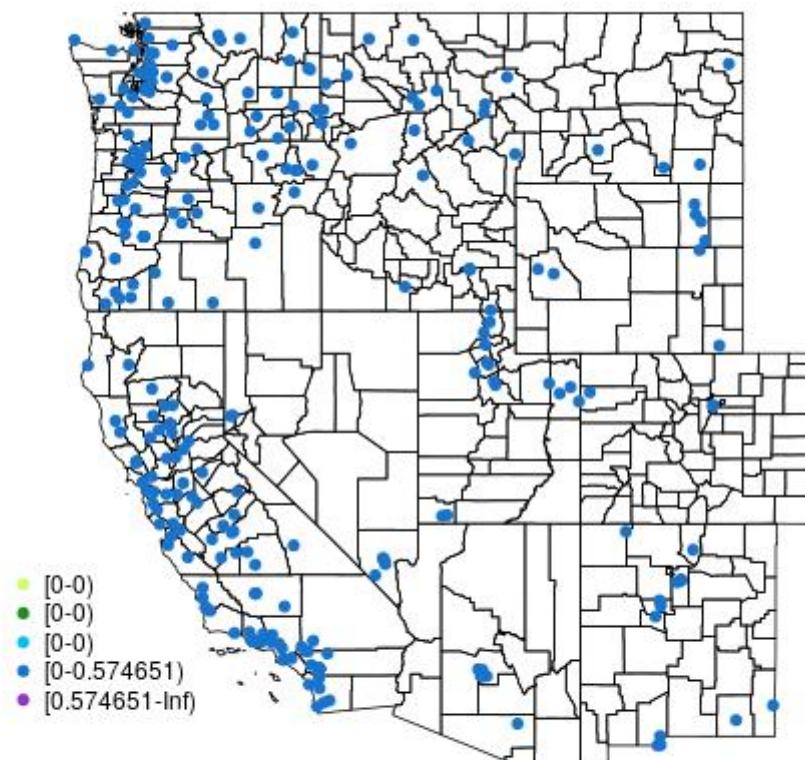


Figure 65: C-250 2012-09-19

C_250 2012-09-20

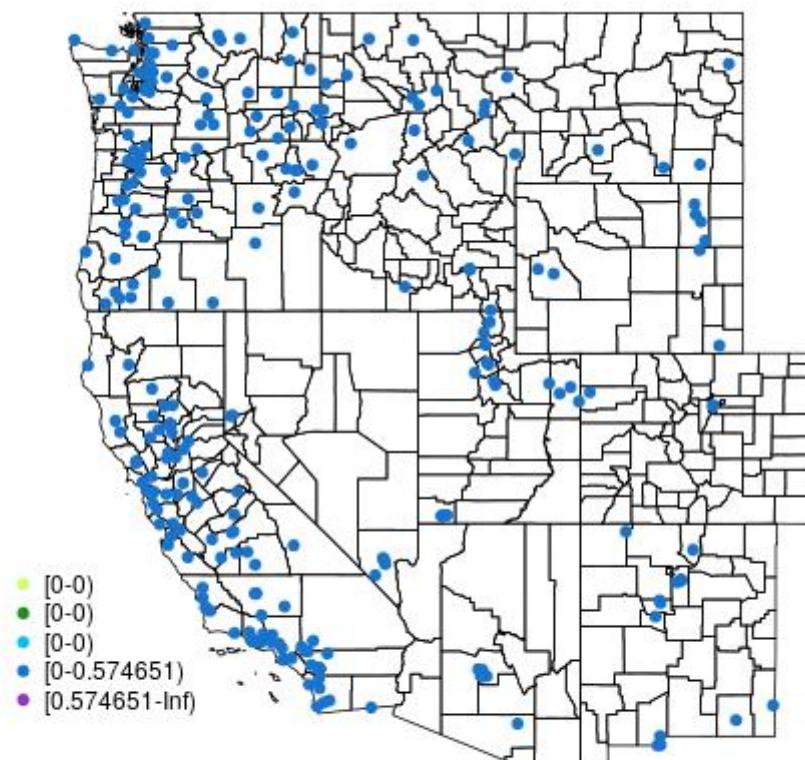


Figure 66: C-250 2012-09-20

C_250 2011-05-16

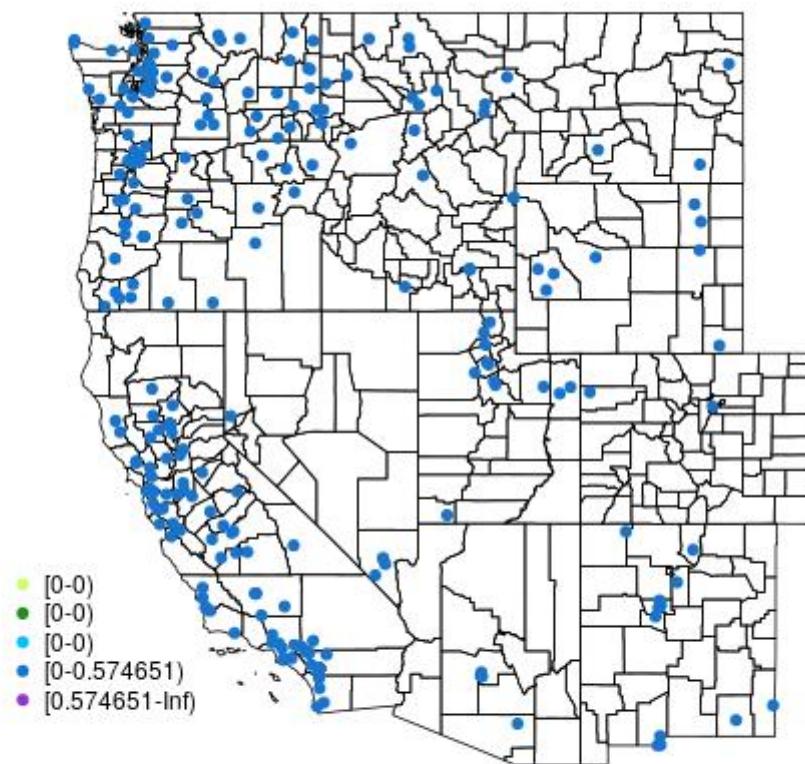


Figure 67: C-250 2011-05-16

C_250 2011-05-15

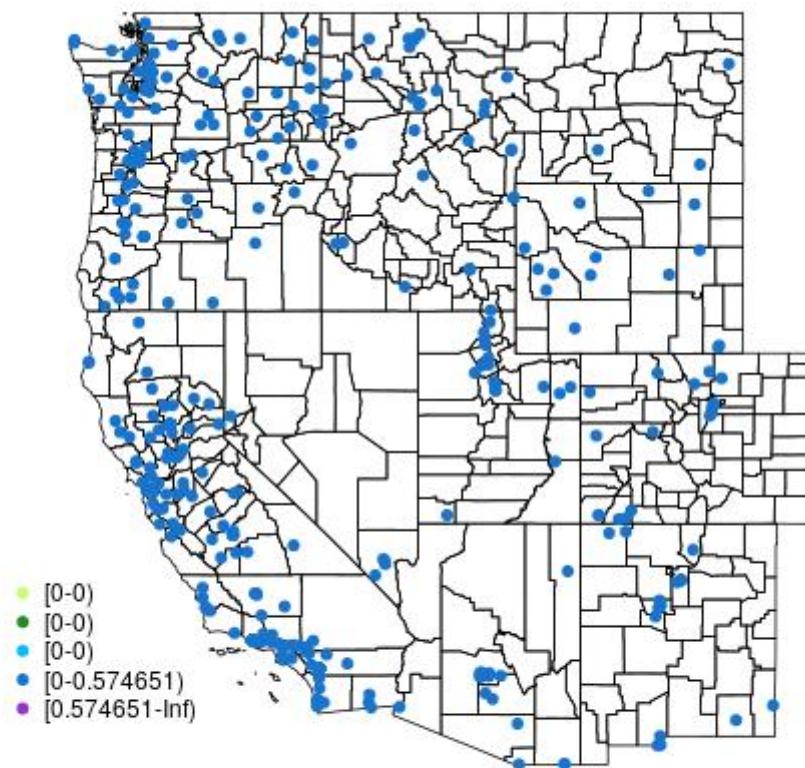


Figure 68: C-250 2011-05-15

C_250 2011-10-05

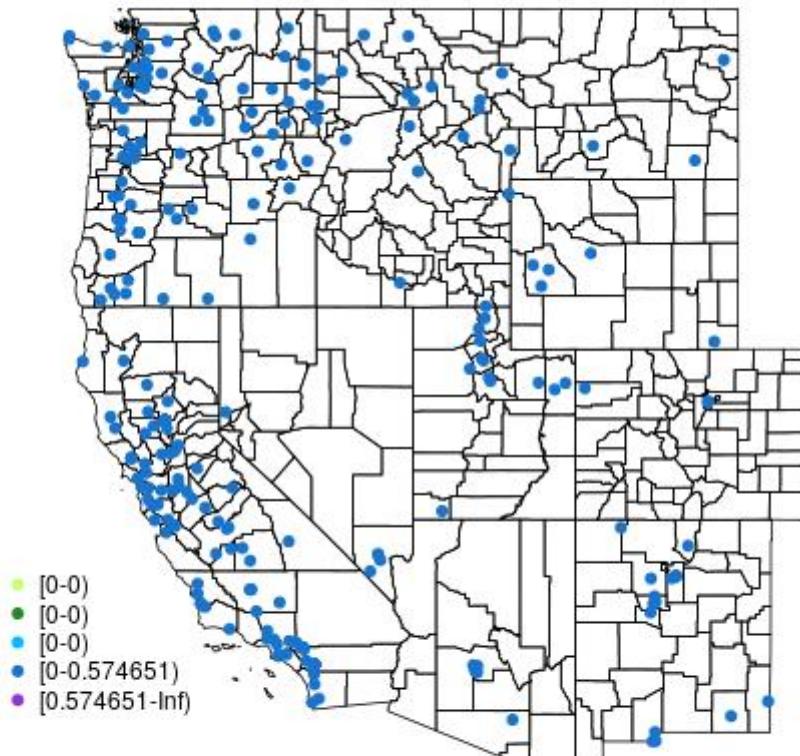


Figure 69: C-250 2011-10-05

Both_250 2012-09-18

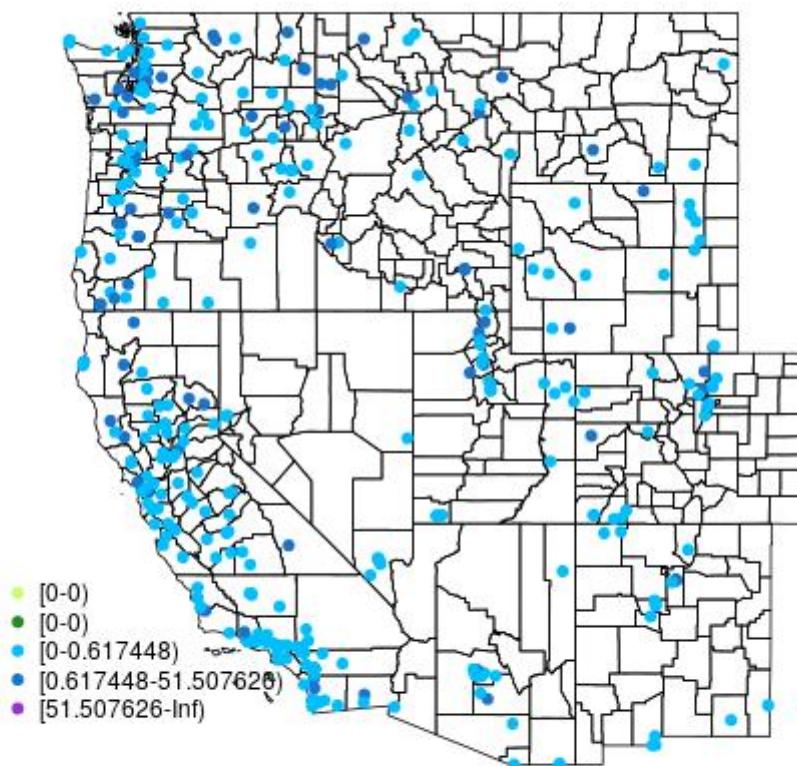


Figure 70: Both-250 2012-09-18

Both_250 2012-09-19

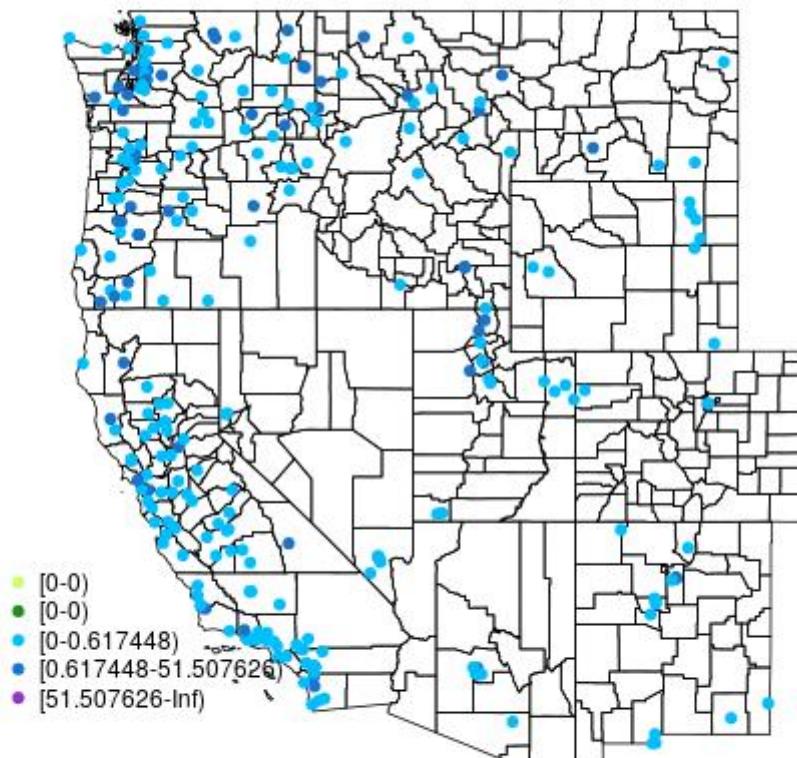


Figure 71: Both-250 2012-09-19

Both_250 2012-09-20

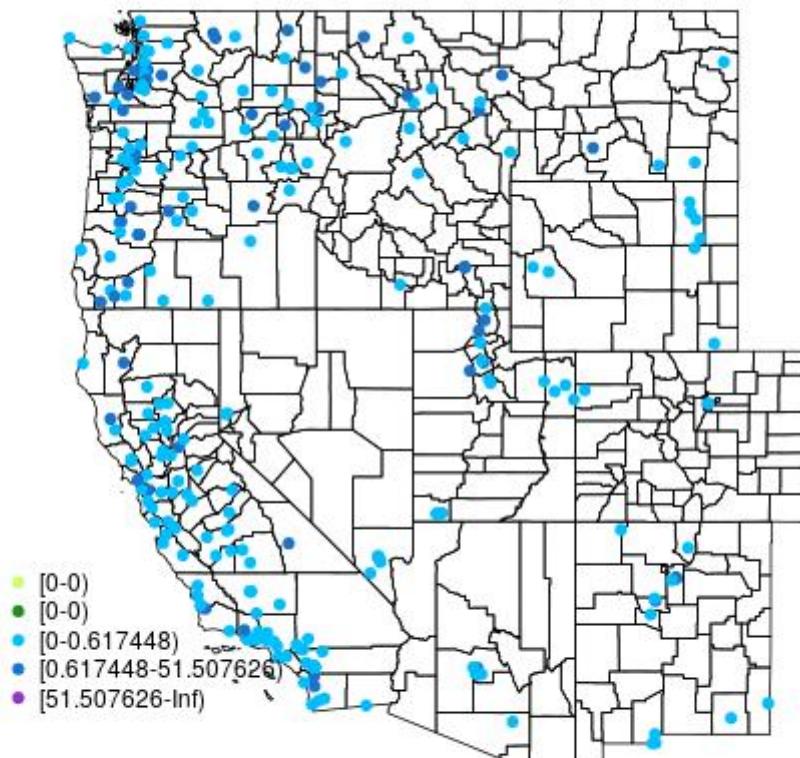


Figure 72: Both-250 2012-09-20

Both_250 2011-05-16

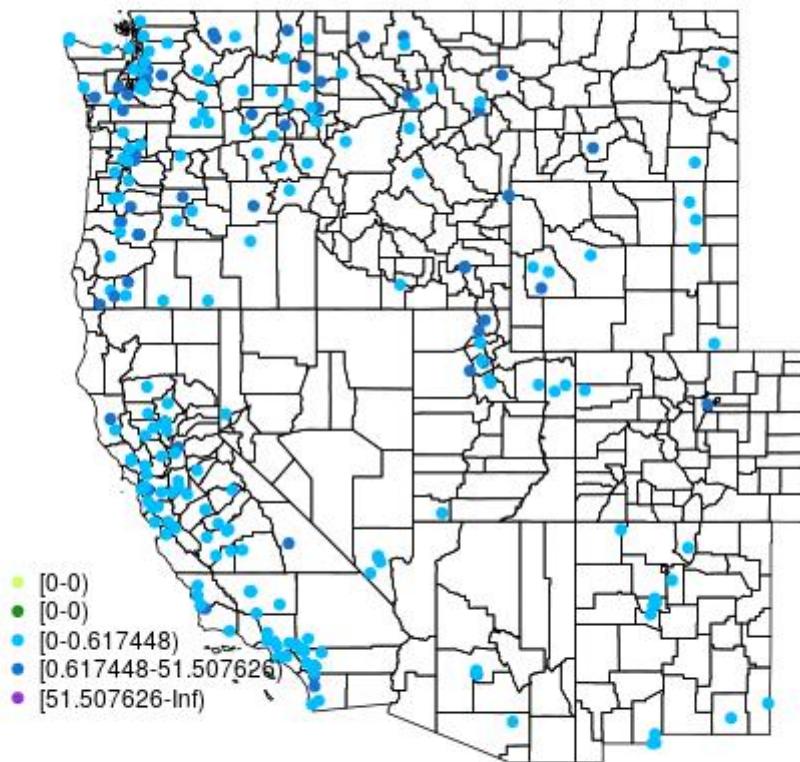


Figure 73: Both-250 2011-05-16

Both_250 2011-05-15

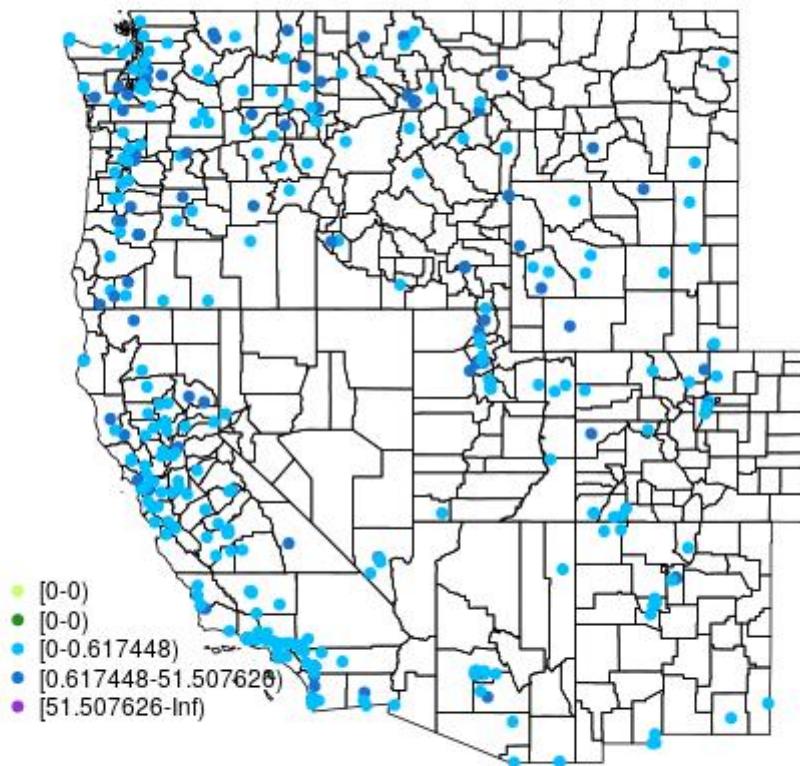


Figure 74: Both-250 2011-05-15

Both_250 2011-10-05

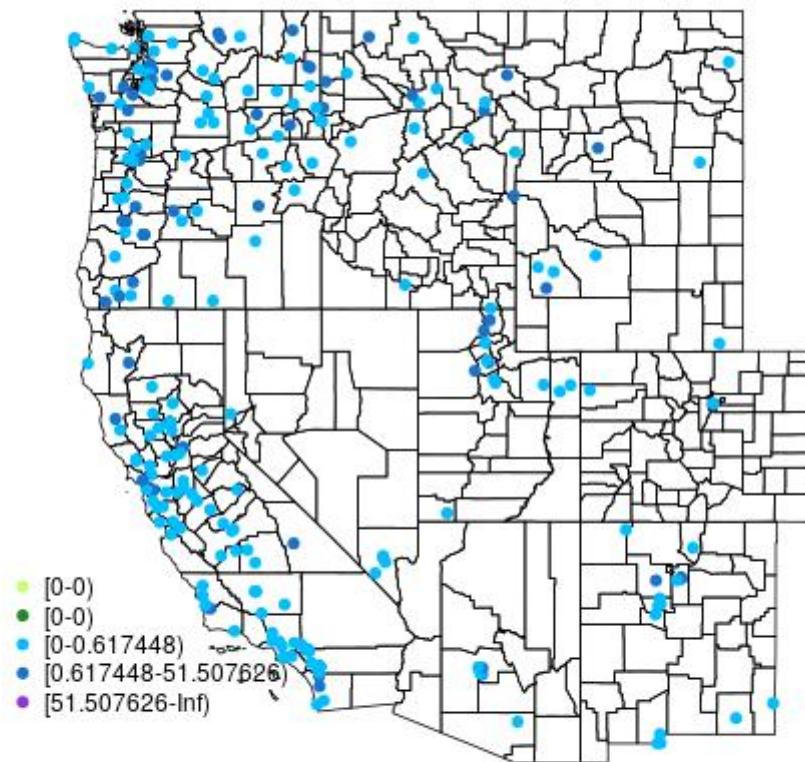


Figure 75: Both-250 2011-10-05

A_500 2012-09-18

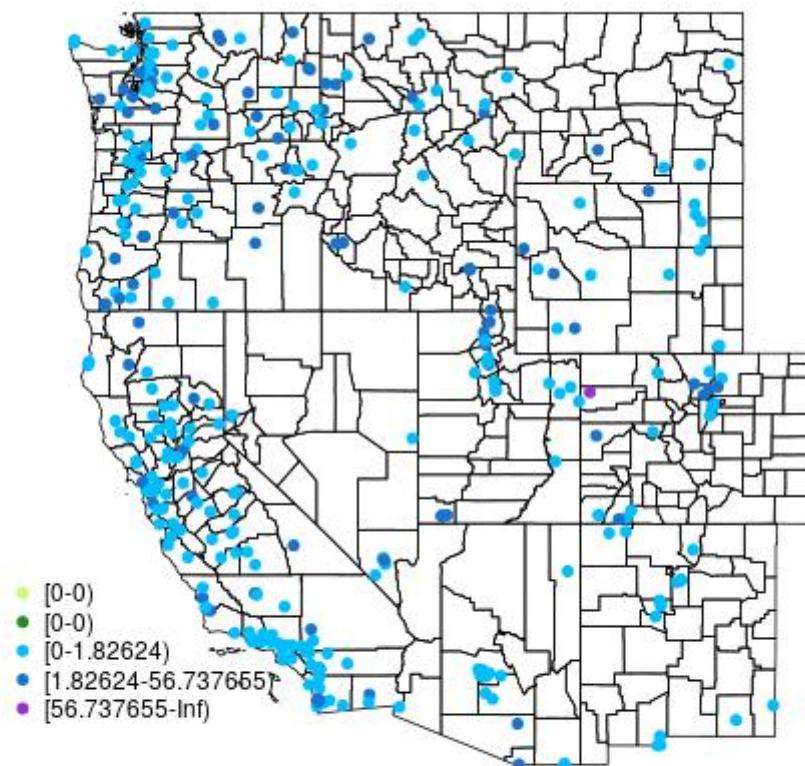


Figure 76: A-500 2012-09-18

A_500 2012-09-19

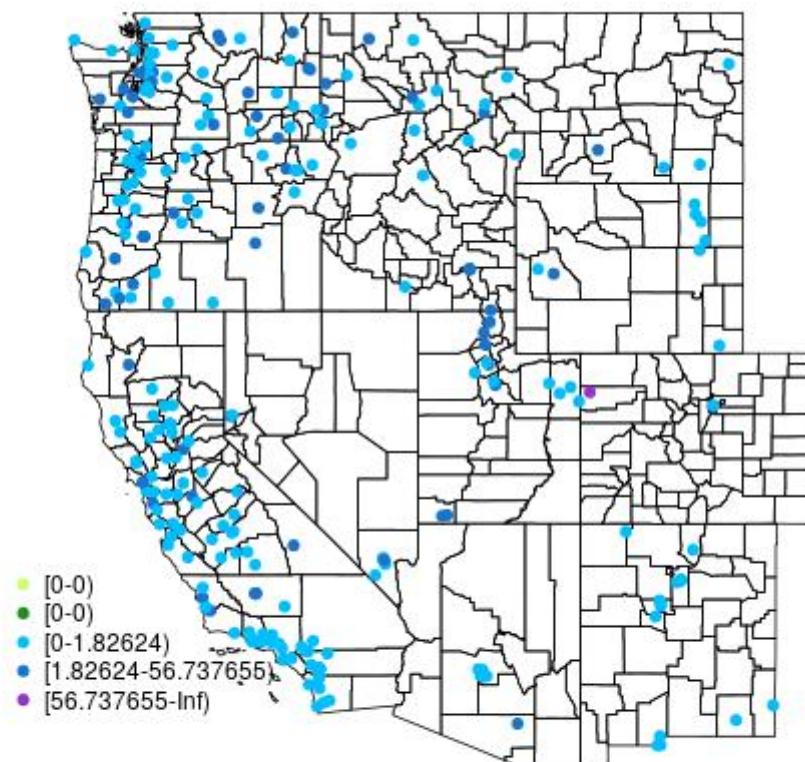


Figure 77: A-500 2012-09-19

A_500 2012-09-20

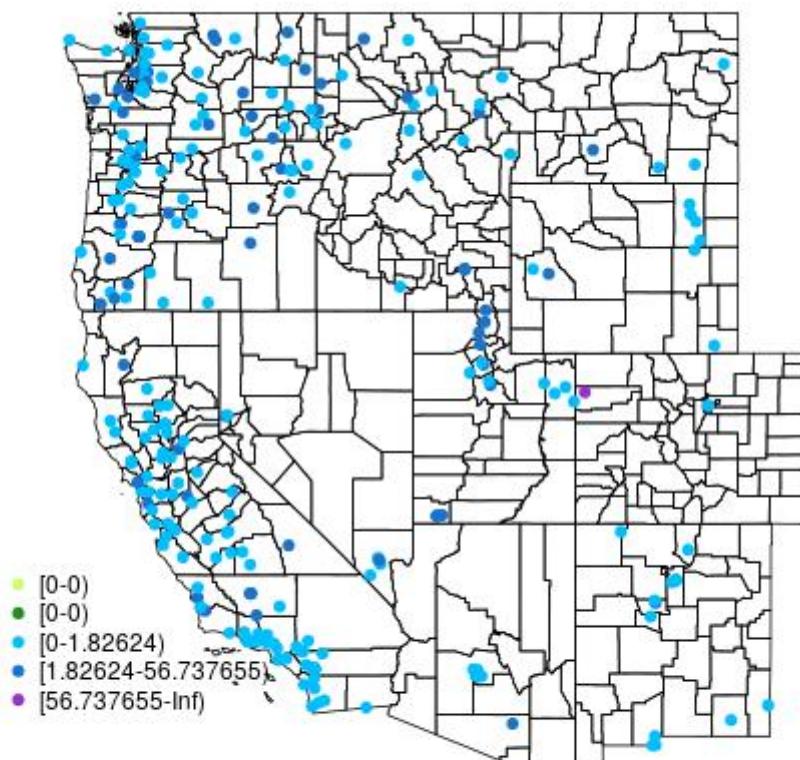


Figure 78: A-500 2012-09-20

A_500 2011-05-16

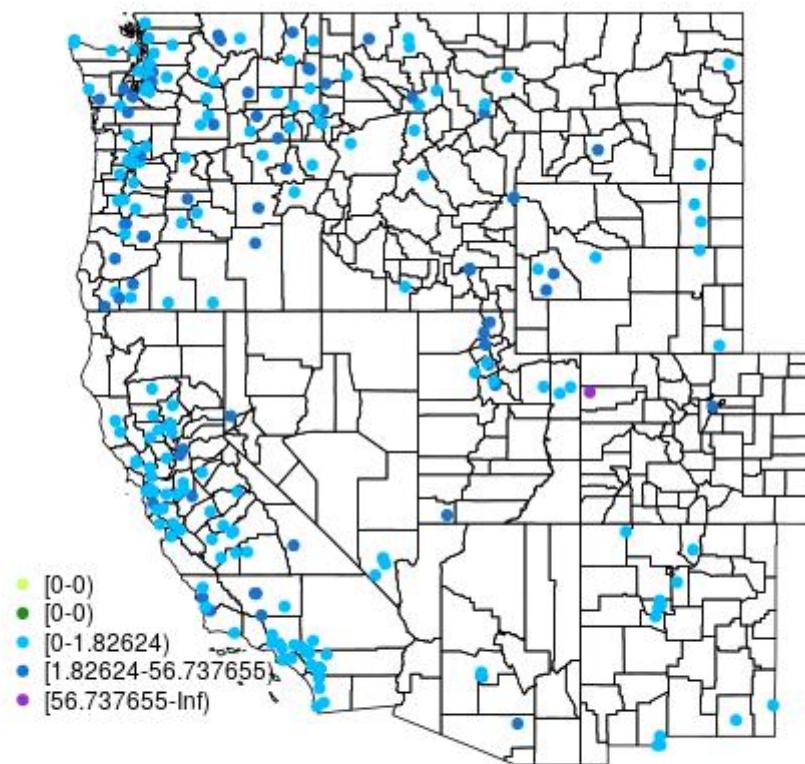


Figure 79: A-500 2011-05-16

A_500 2011-05-15

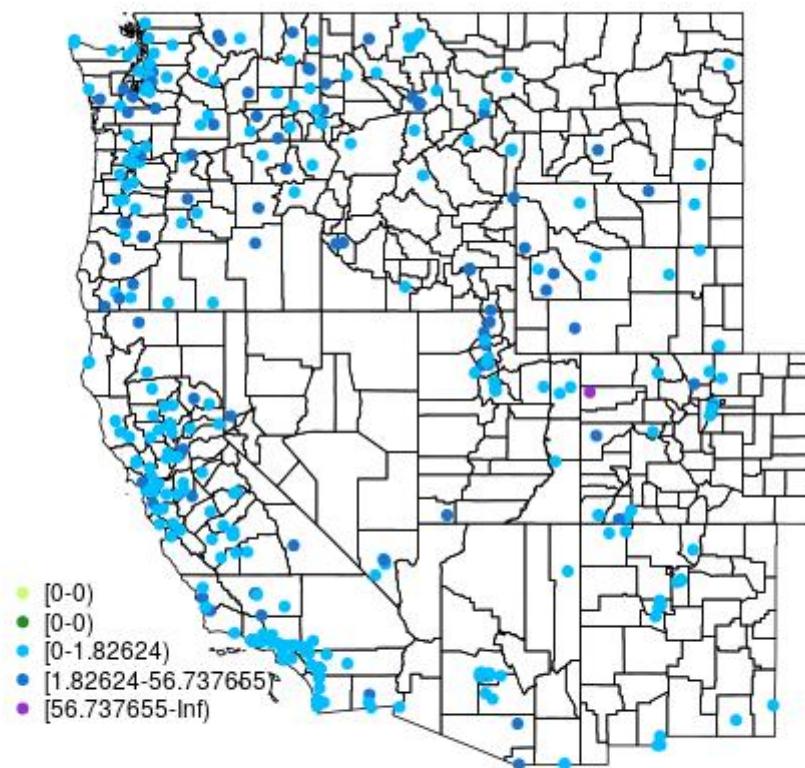


Figure 80: A-500 2011-05-15

A_500 2011-10-05

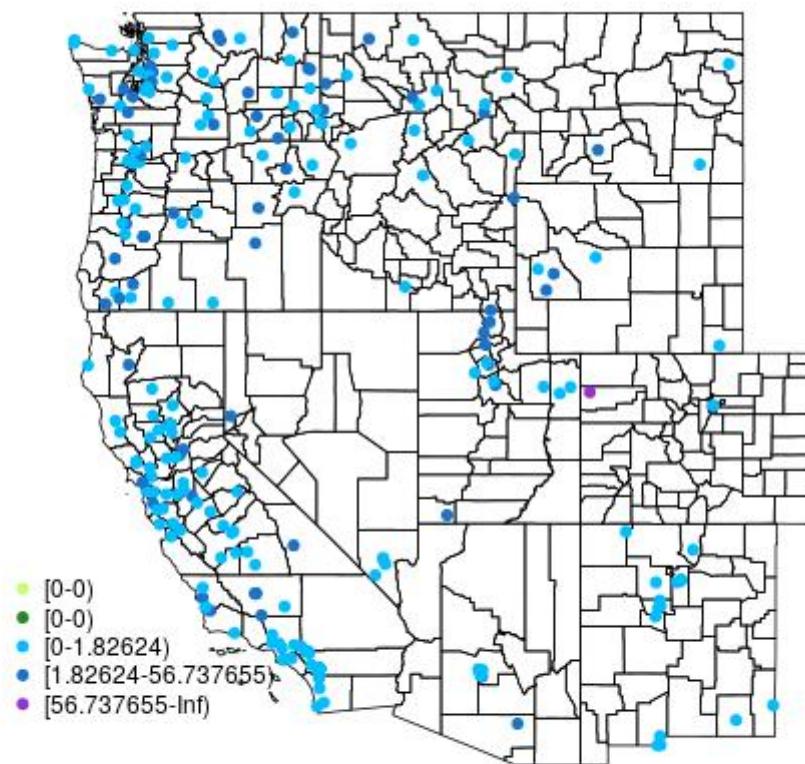


Figure 81: A-500 2011-10-05

C_500 2012-09-18

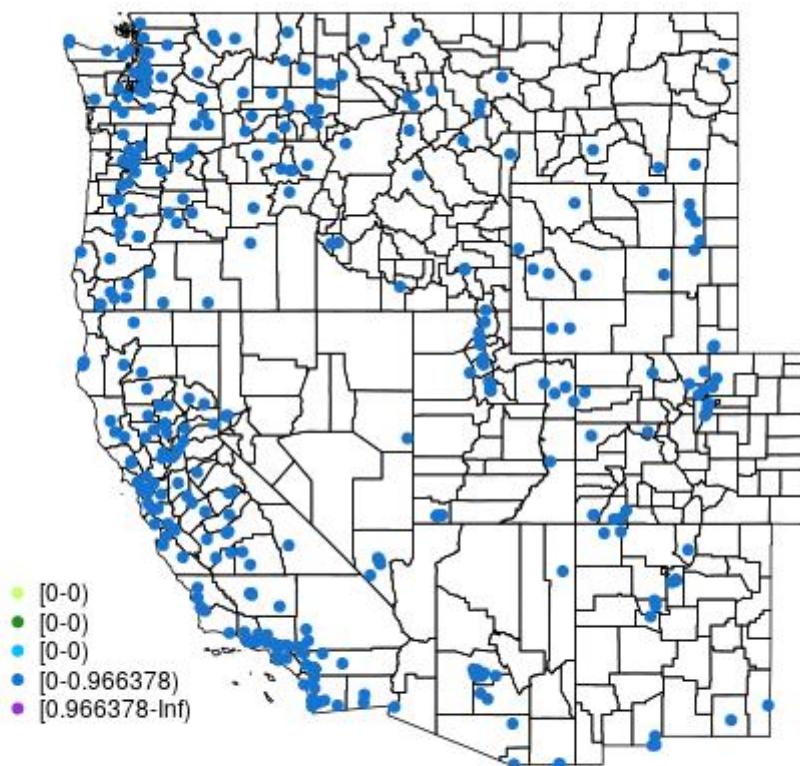


Figure 82: C-500 2012-09-18

C_500 2012-09-19

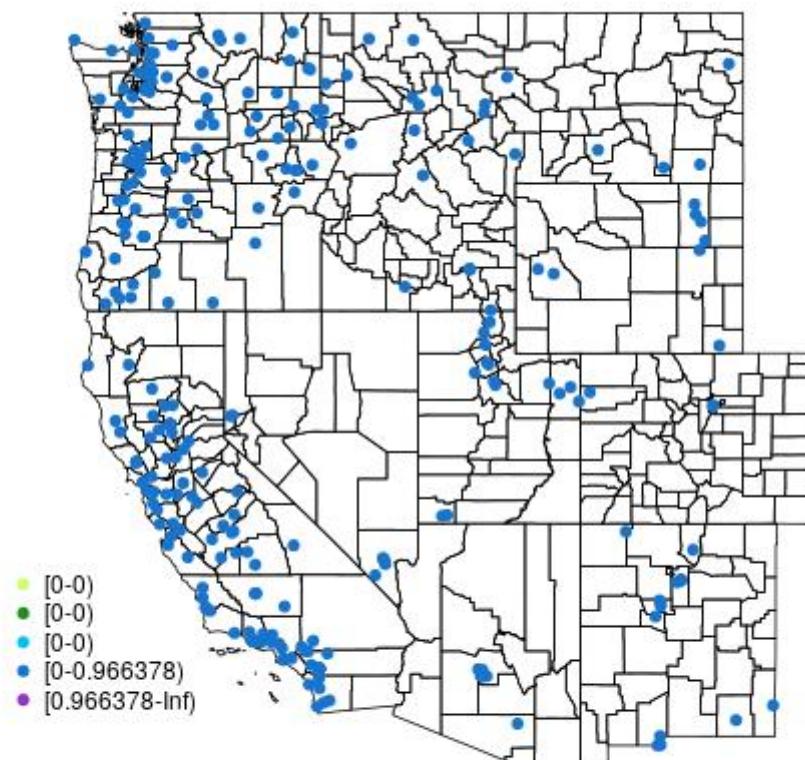


Figure 83: C-500 2012-09-19

C_500 2012-09-20

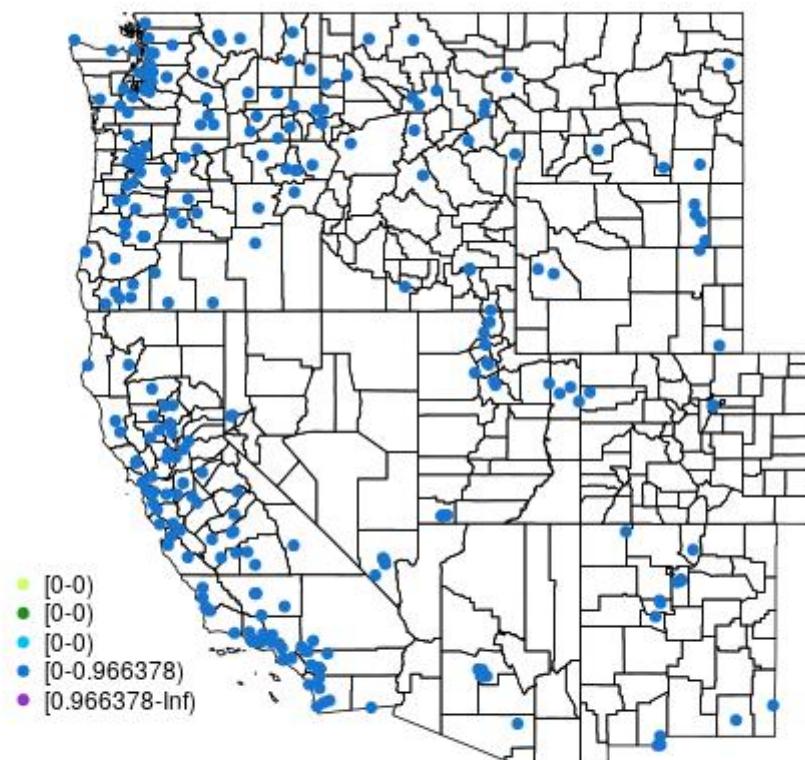


Figure 84: C-500 2012-09-20

C_500 2011-05-16

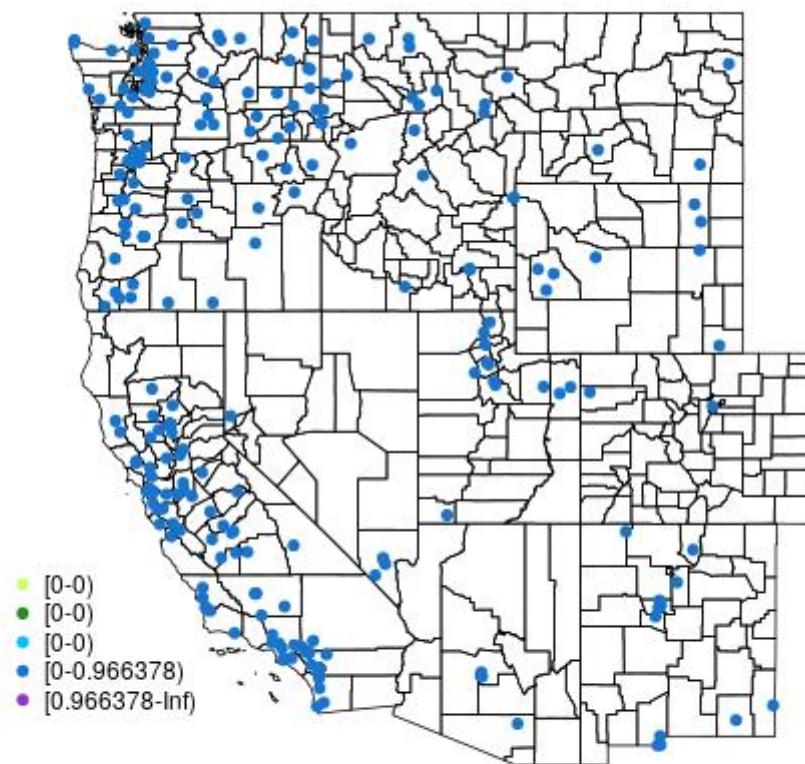


Figure 85: C-500 2011-05-16

C_500 2011-05-15

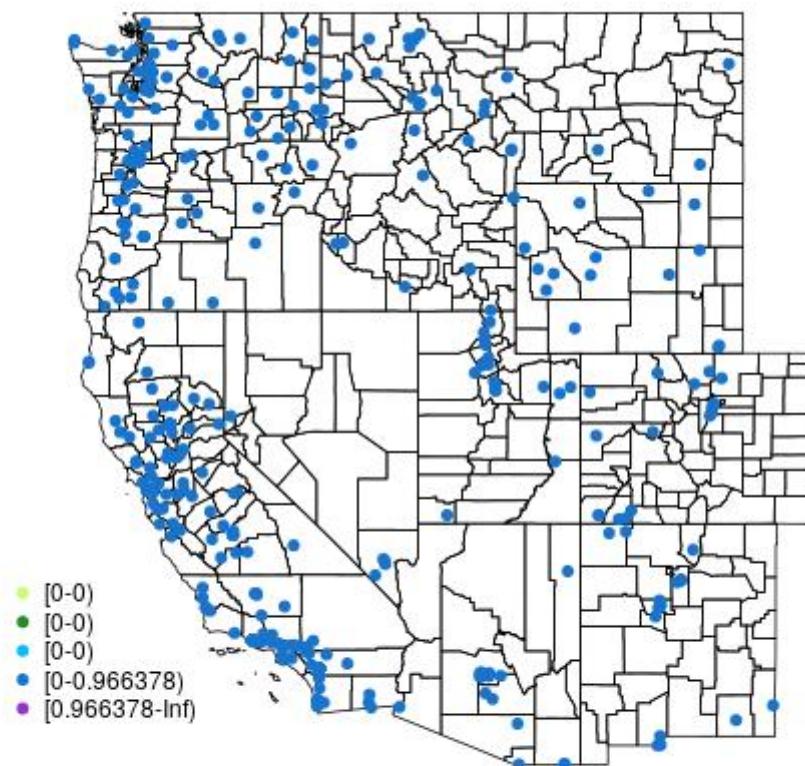


Figure 86: C-500 2011-05-15

C_500 2011-10-05

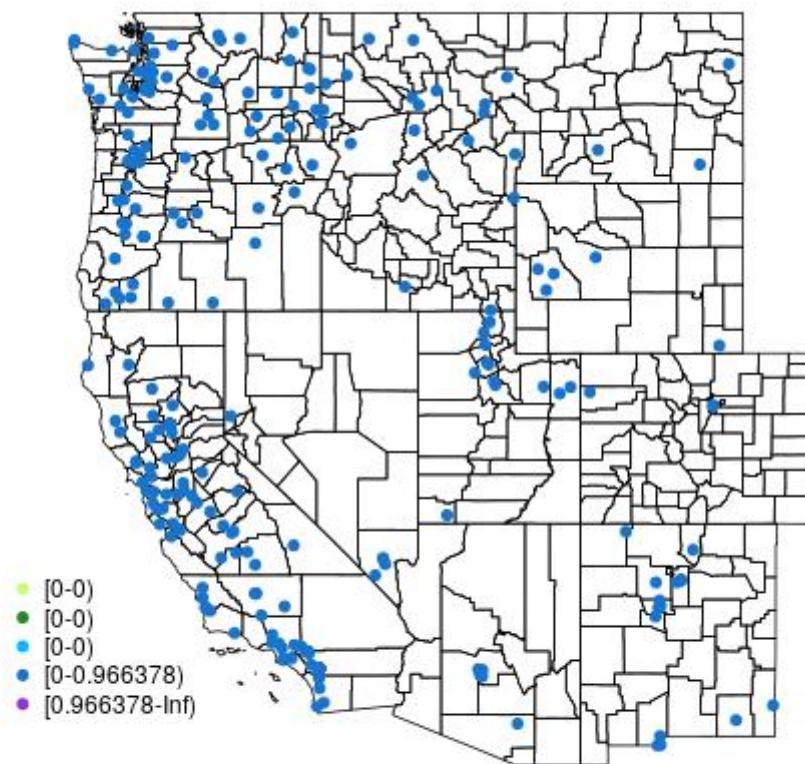


Figure 87: C-500 2011-10-05

Both_500 2012-09-18

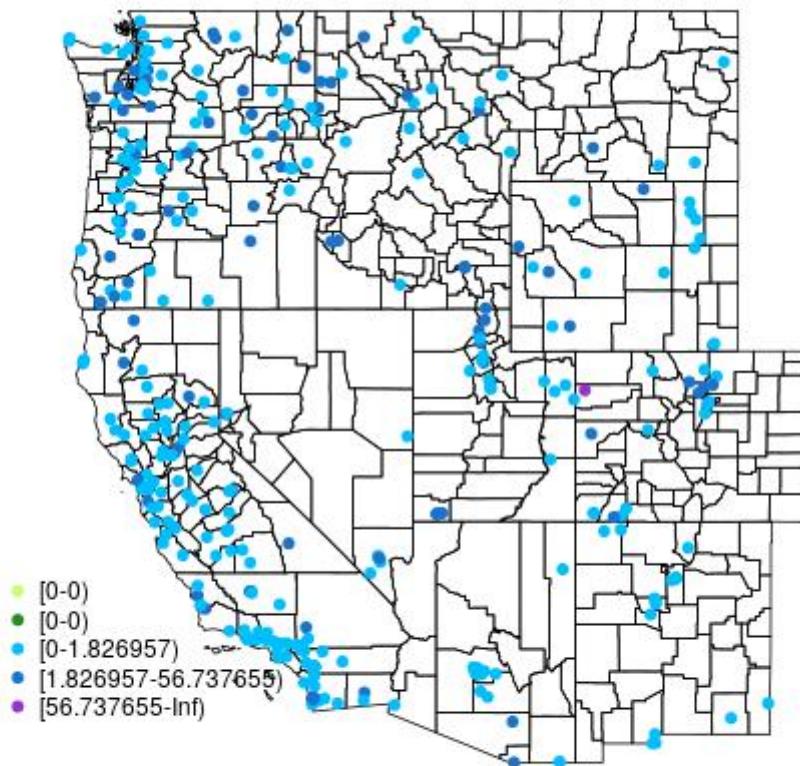


Figure 88: Both-500 2012-09-18

Both_500 2012-09-19

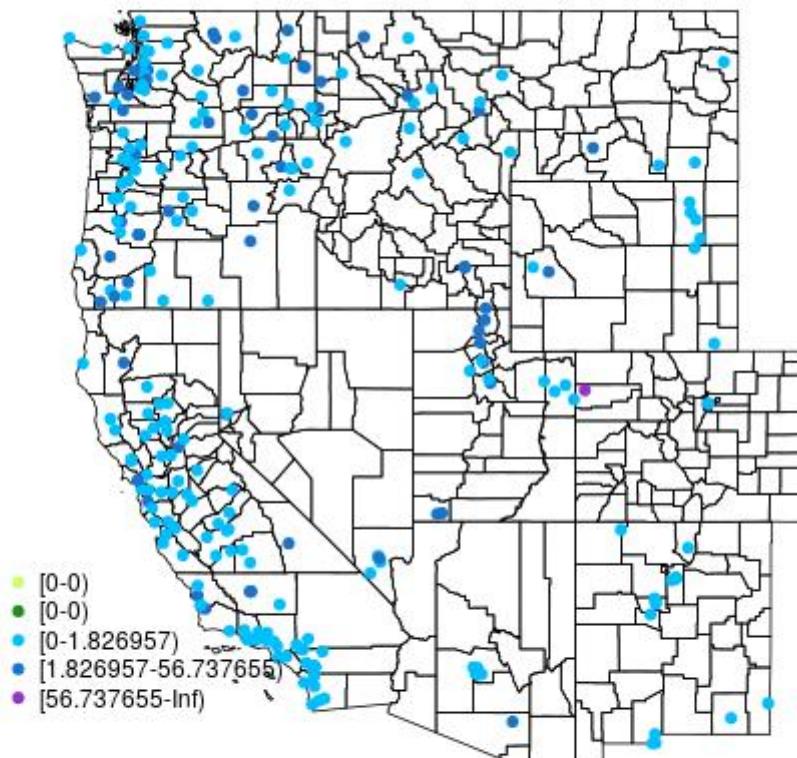


Figure 89: Both-500 2012-09-19

Both_500 2012-09-20

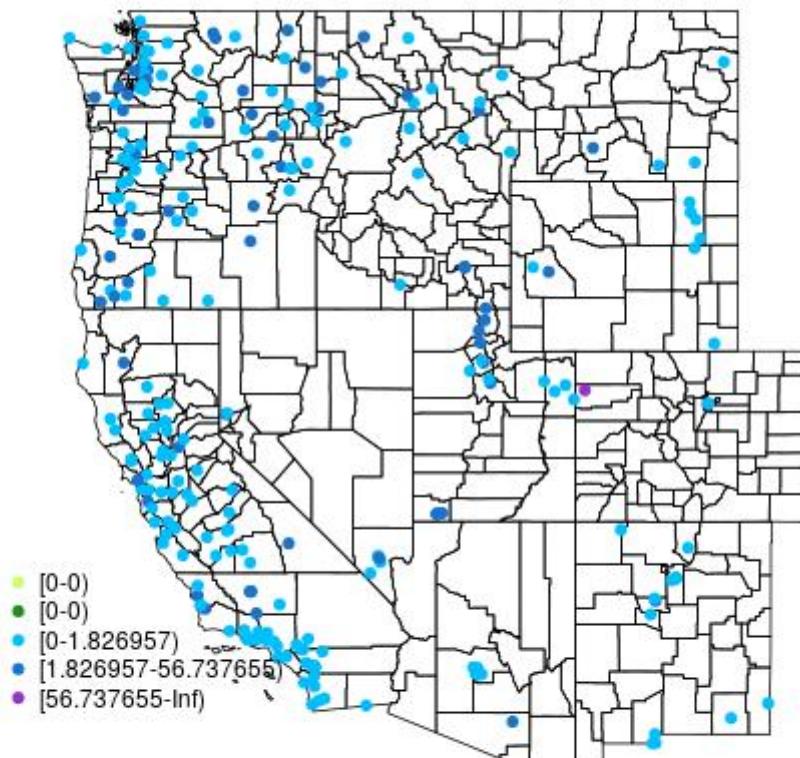


Figure 90: Both-500 2012-09-20

Both_500 2011-05-16

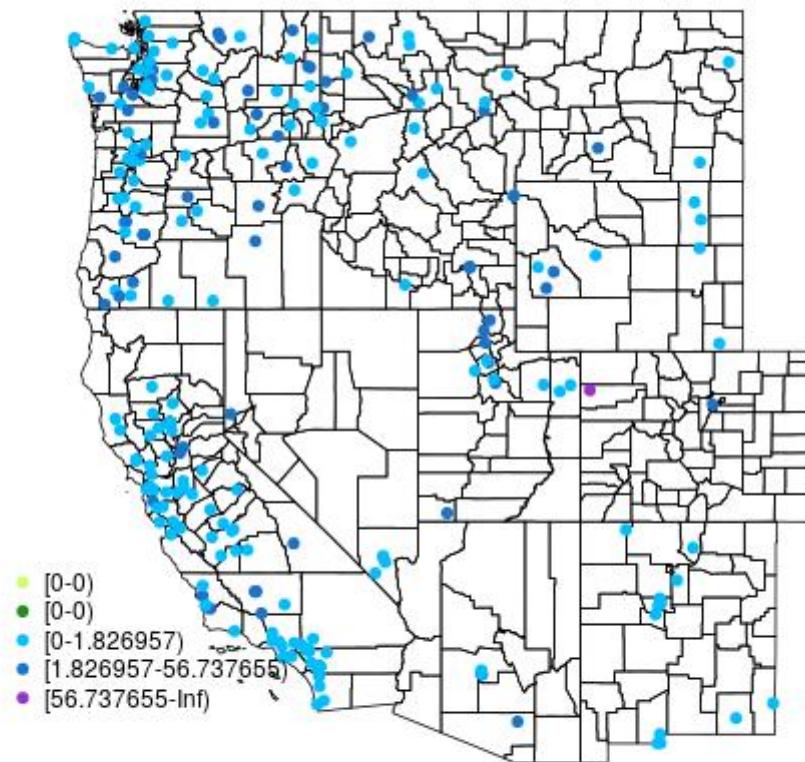


Figure 91: Both-500 2011-05-16

Both_500 2011-05-15

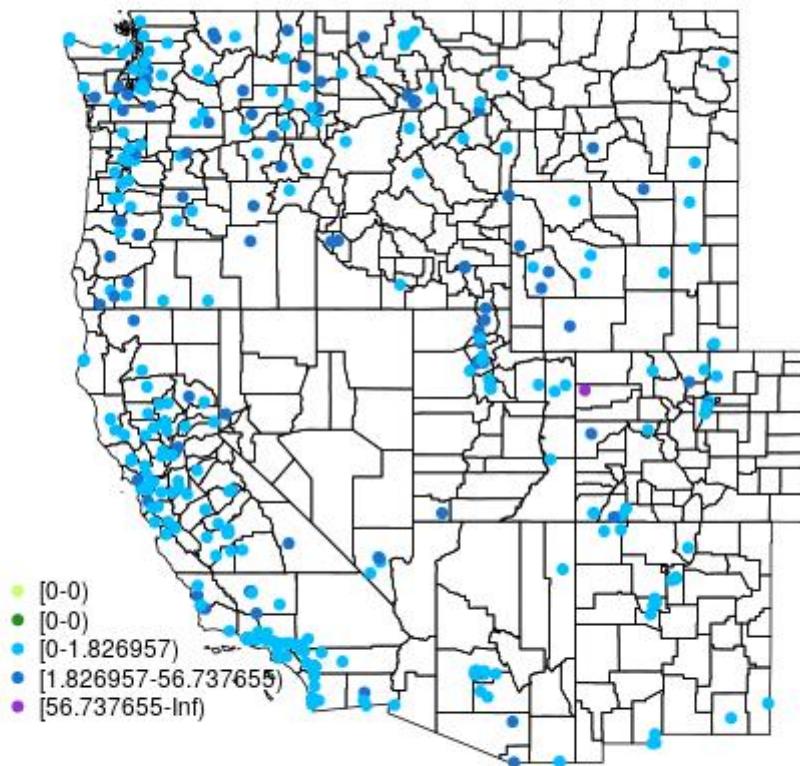


Figure 92: Both-500 2011-05-15

Both_500 2011-10-05

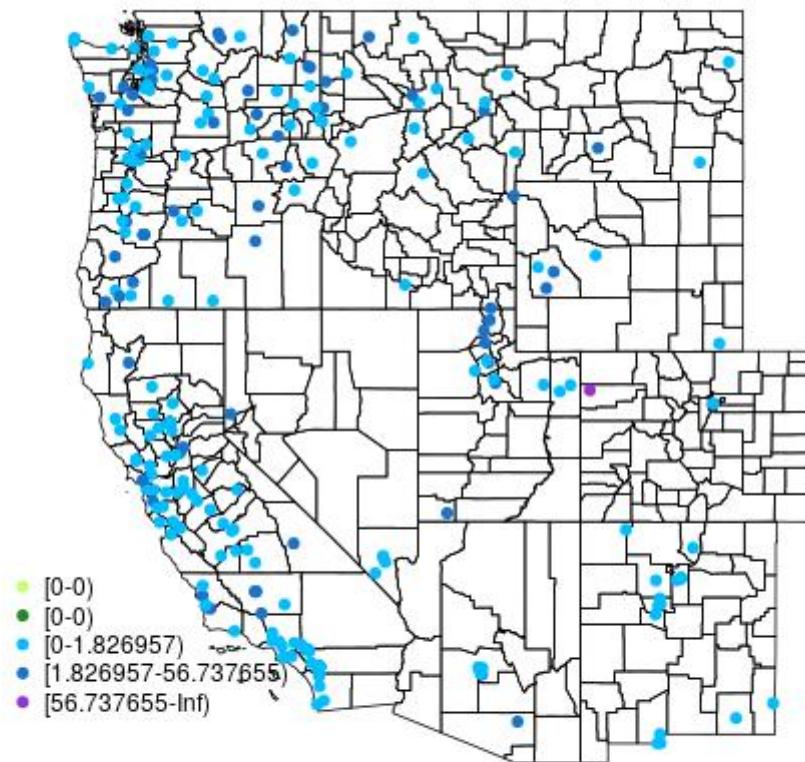


Figure 93: Both-500 2011-10-05

A_1000 2012-09-18

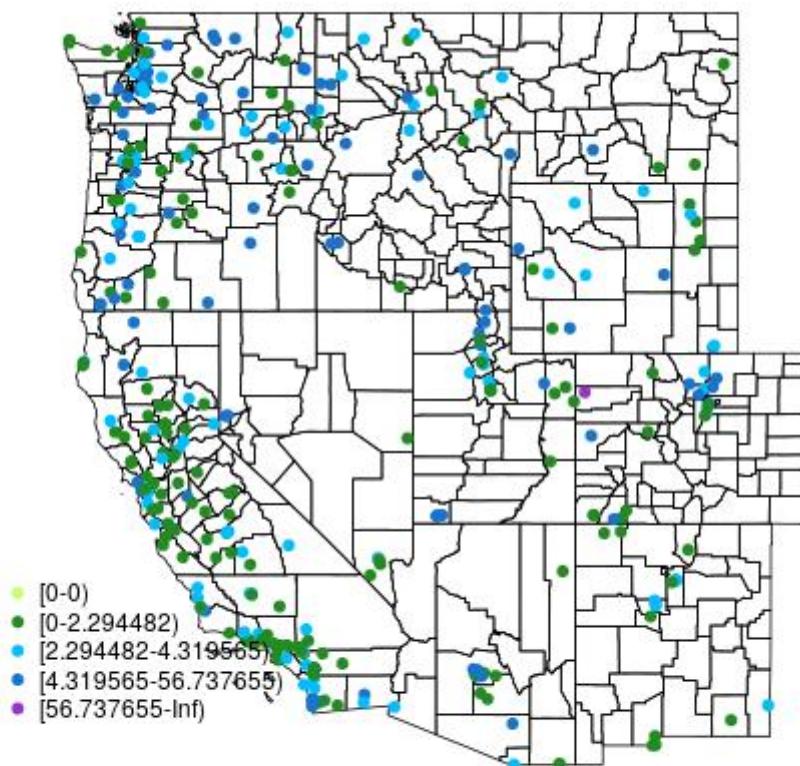


Figure 94: A-1000 2012-09-18

A_1000 2012-09-19

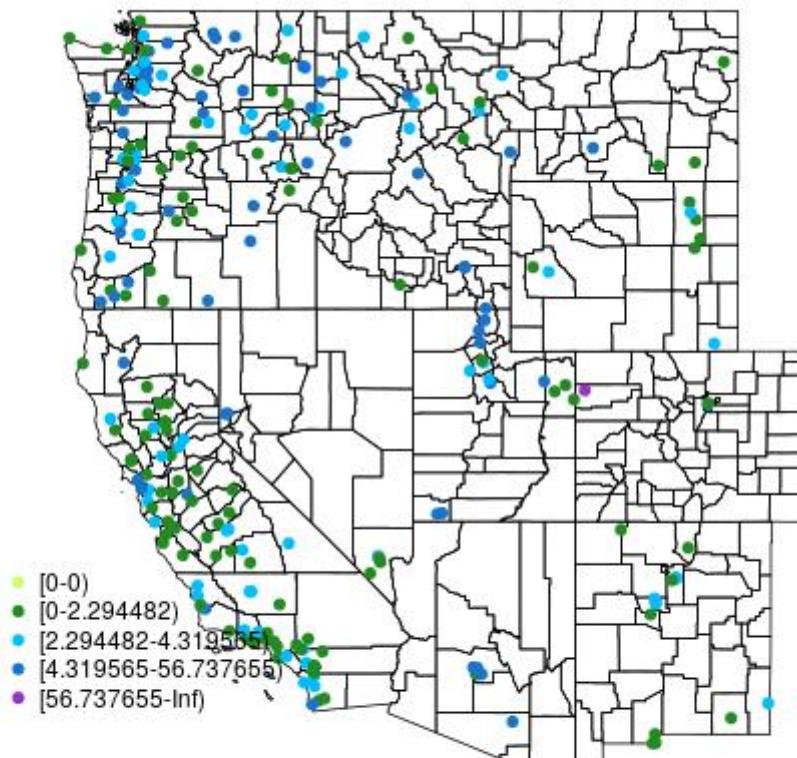


Figure 95: A-1000 2012-09-19

A_1000 2012-09-20

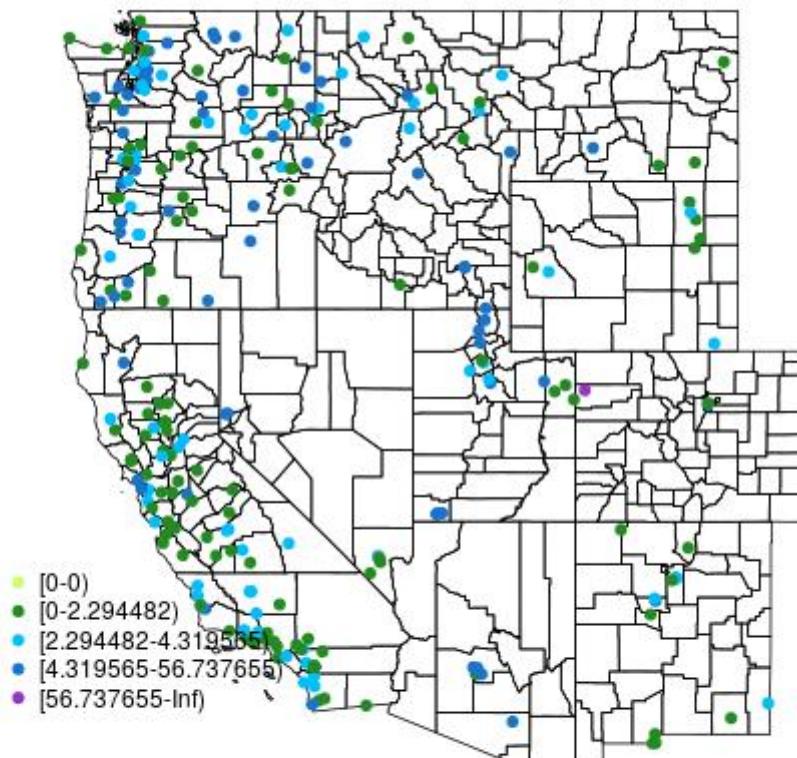


Figure 96: A-1000 2012-09-20

A_1000 2011-05-16

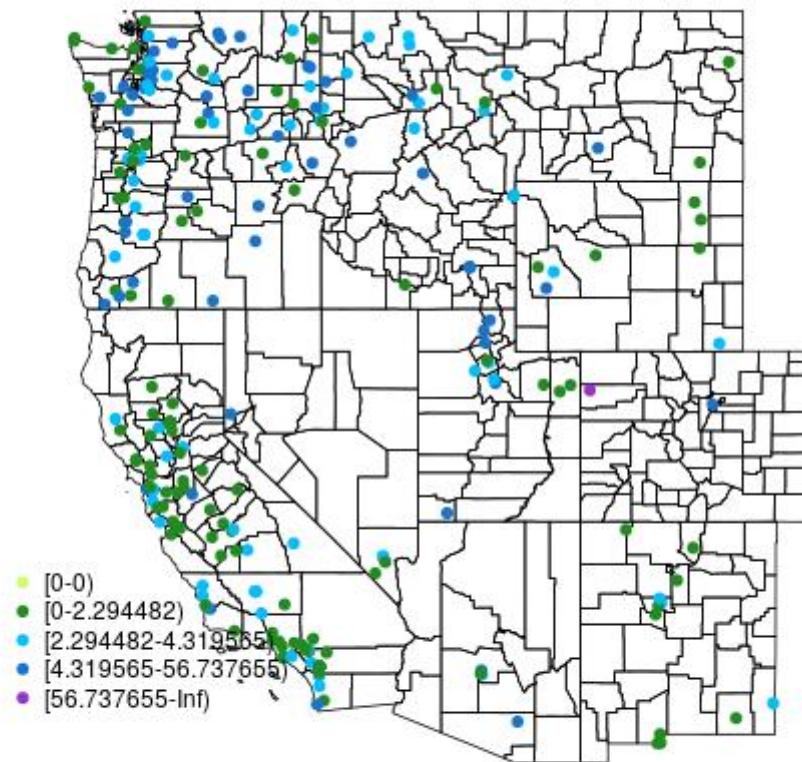


Figure 97: A-1000 2011-05-16

A_1000 2011-05-15

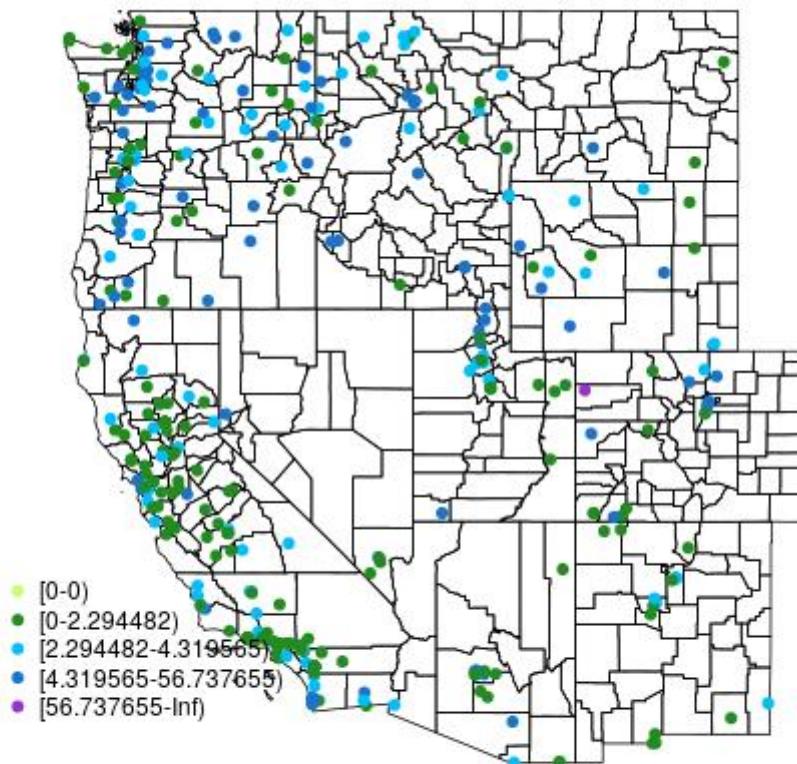


Figure 98: A-1000 2011-05-15

A_1000 2011-10-05

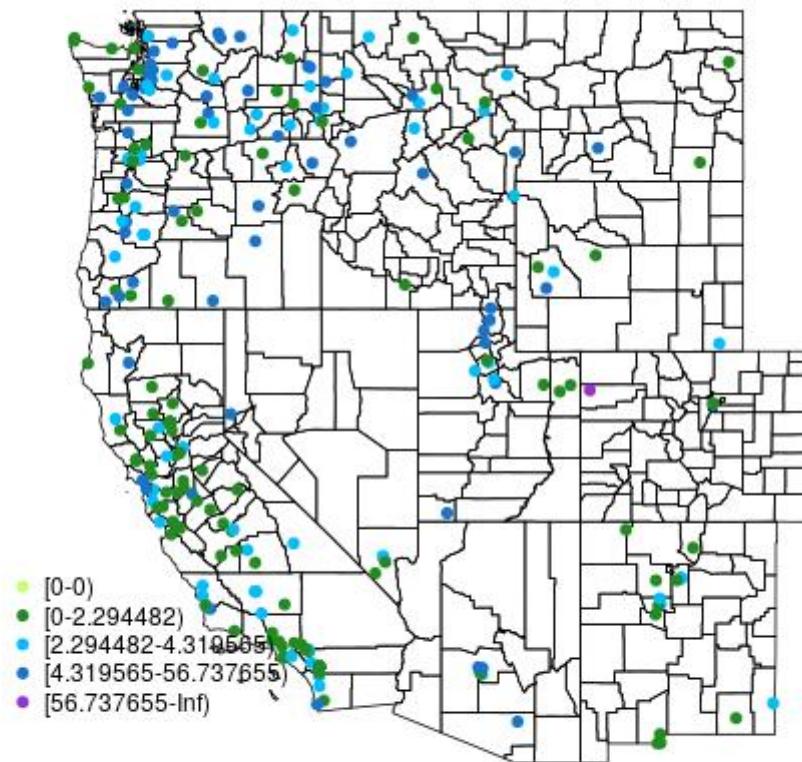


Figure 99: A-1000 2011-10-05

C_1000 2012-09-18

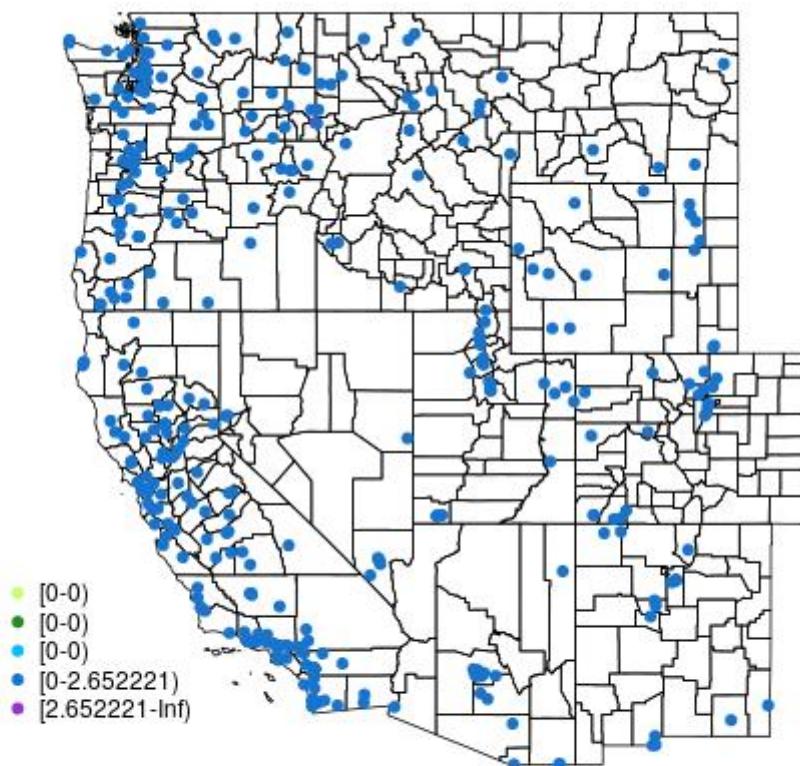


Figure 100: C-1000 2012-09-18

C_1000 2012-09-19

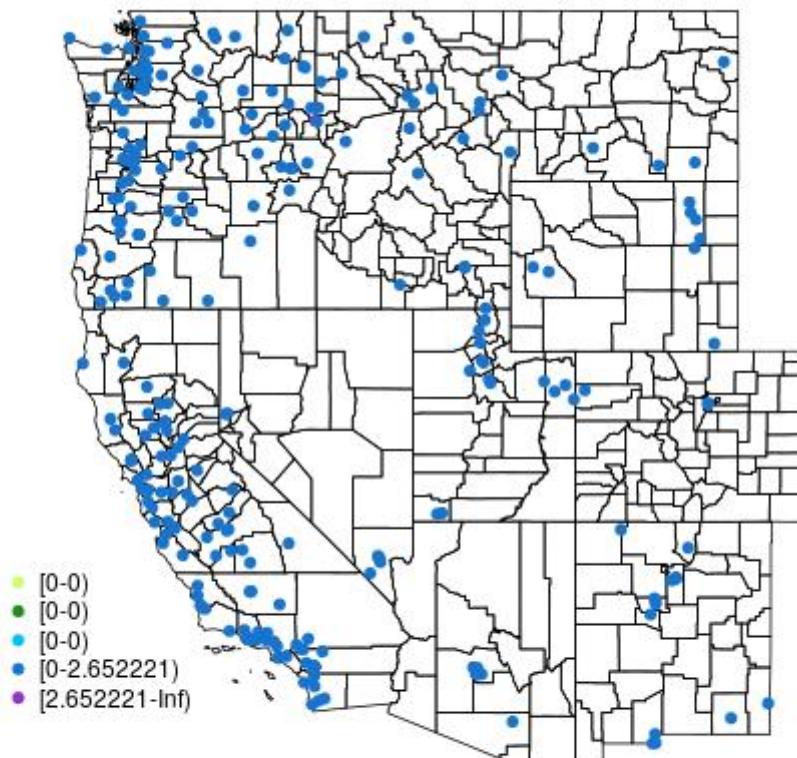


Figure 101: C-1000 2012-09-19

C_1000 2012-09-20

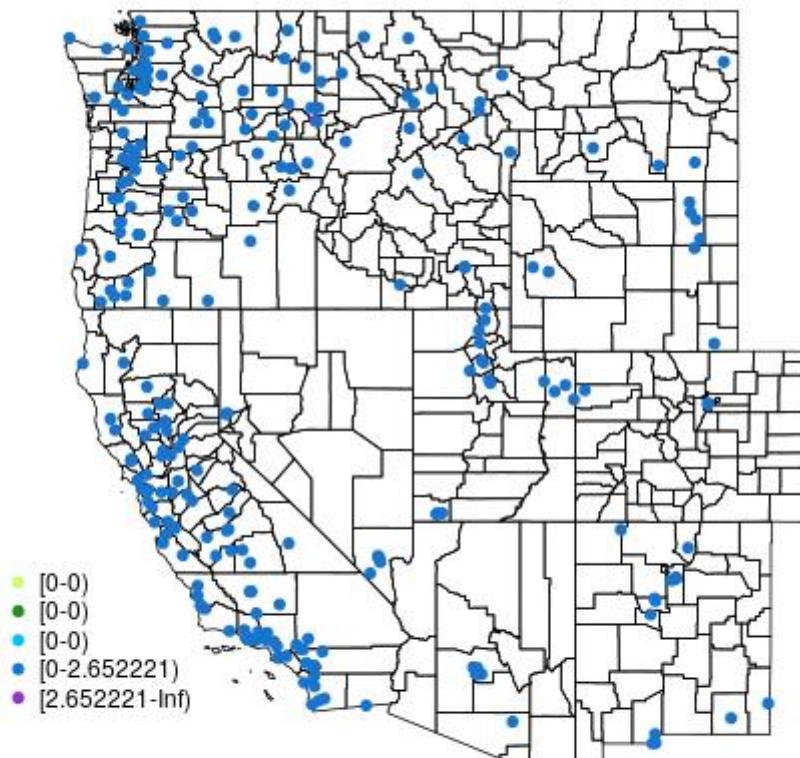


Figure 102: C-1000 2012-09-20

C_1000 2011-05-16

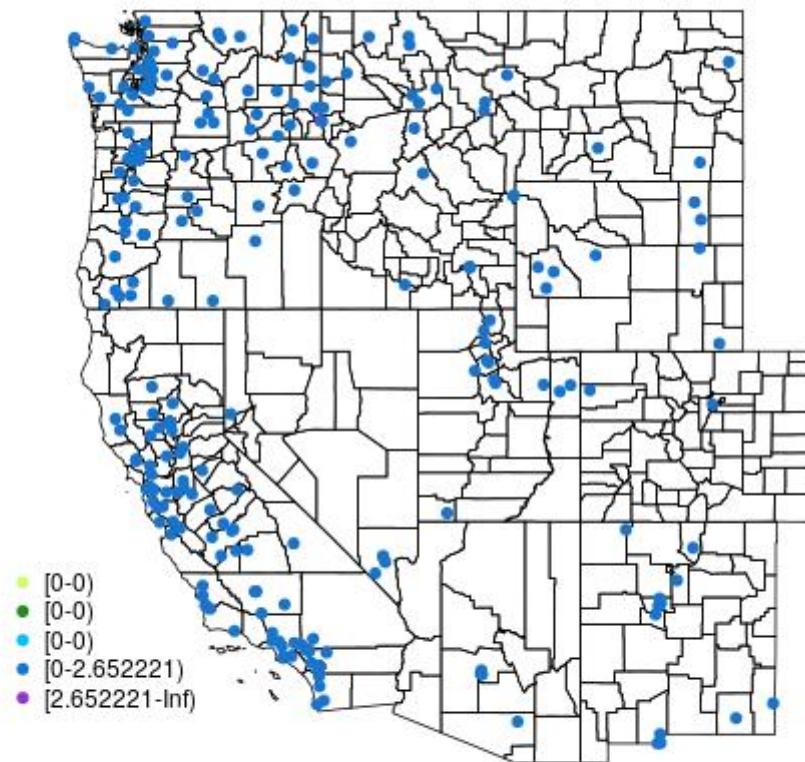


Figure 103: C-1000 2011-05-16

C_1000 2011-05-15

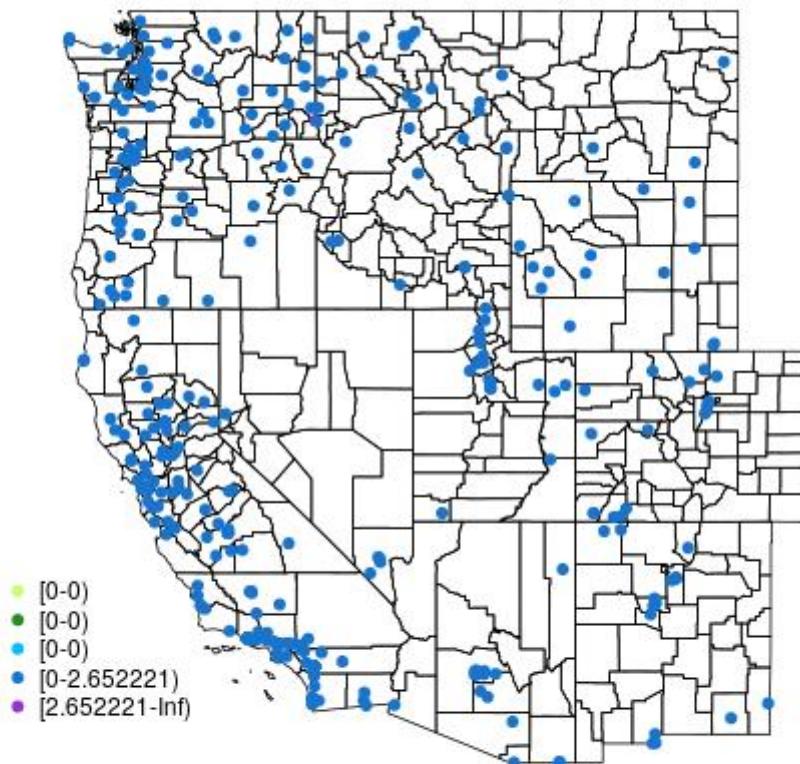


Figure 104: C-1000 2011-05-15

C_1000 2011-10-05

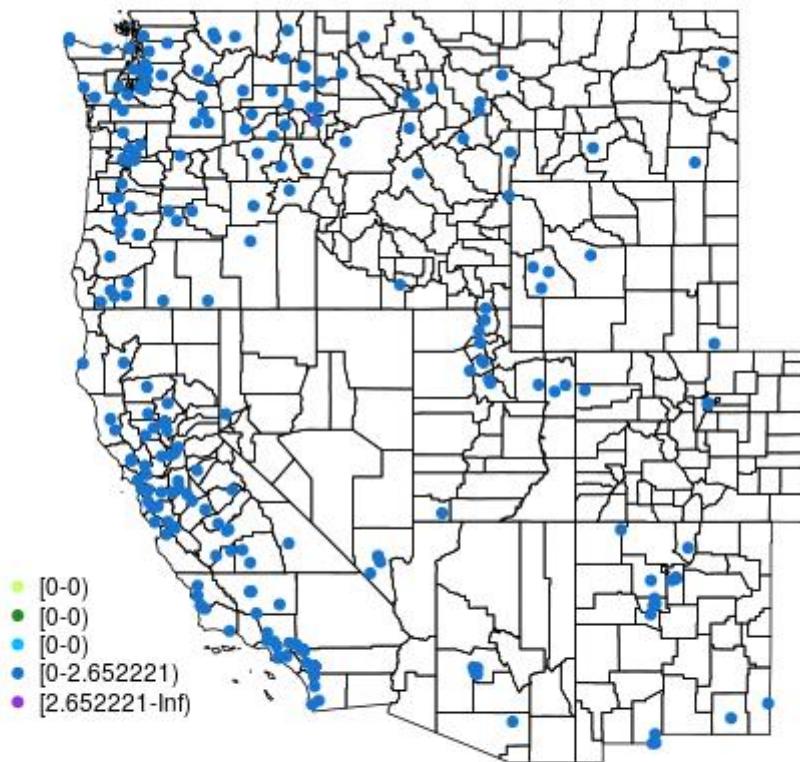


Figure 105: C-1000 2011-10-05

Both_1000 2012-09-18

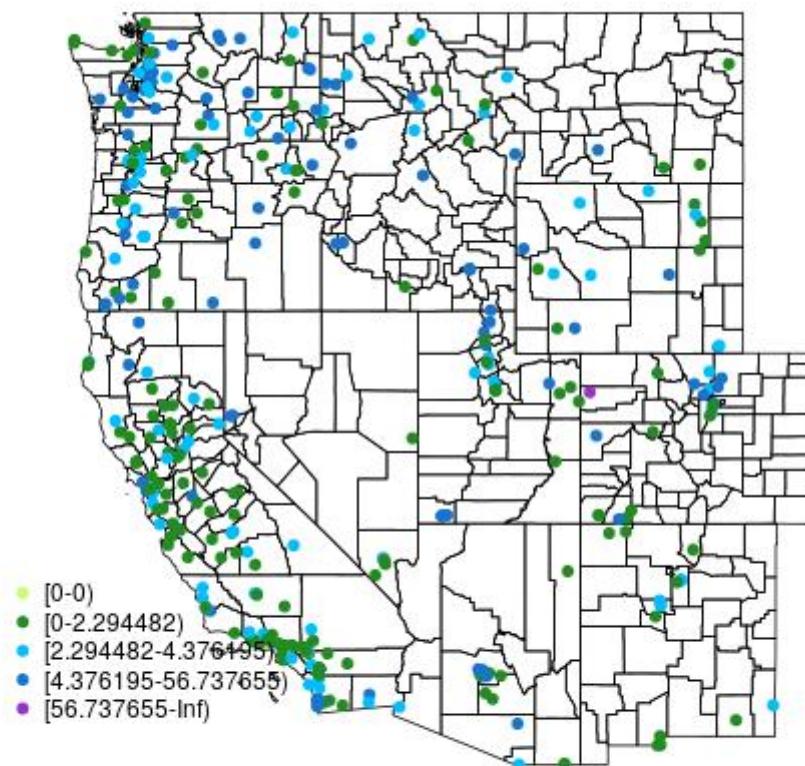


Figure 106: Both-1000 2012-09-18

Both_1000 2012-09-19

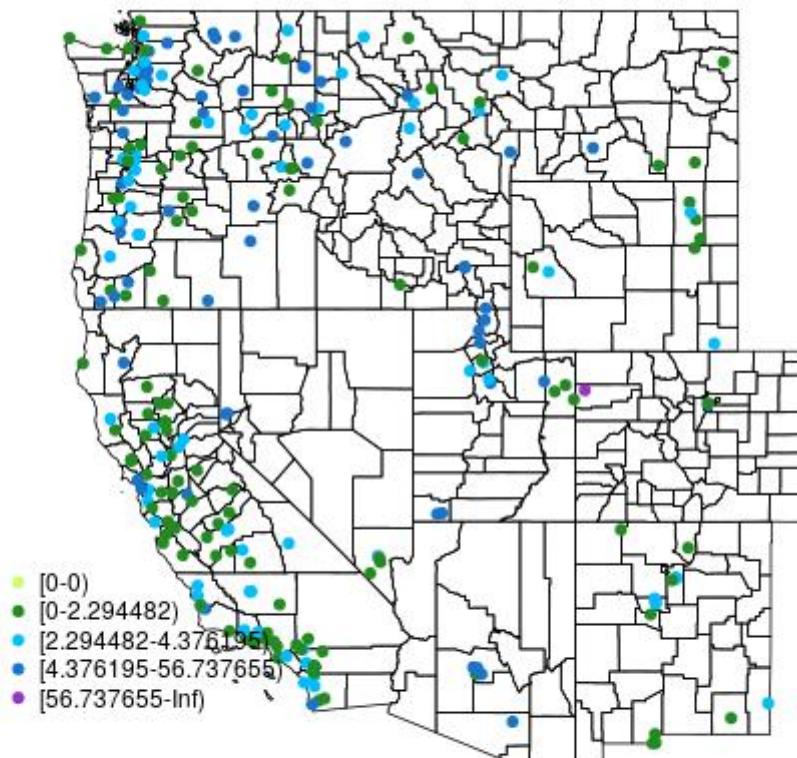


Figure 107: Both-1000 2012-09-19

Both_1000 2012-09-20

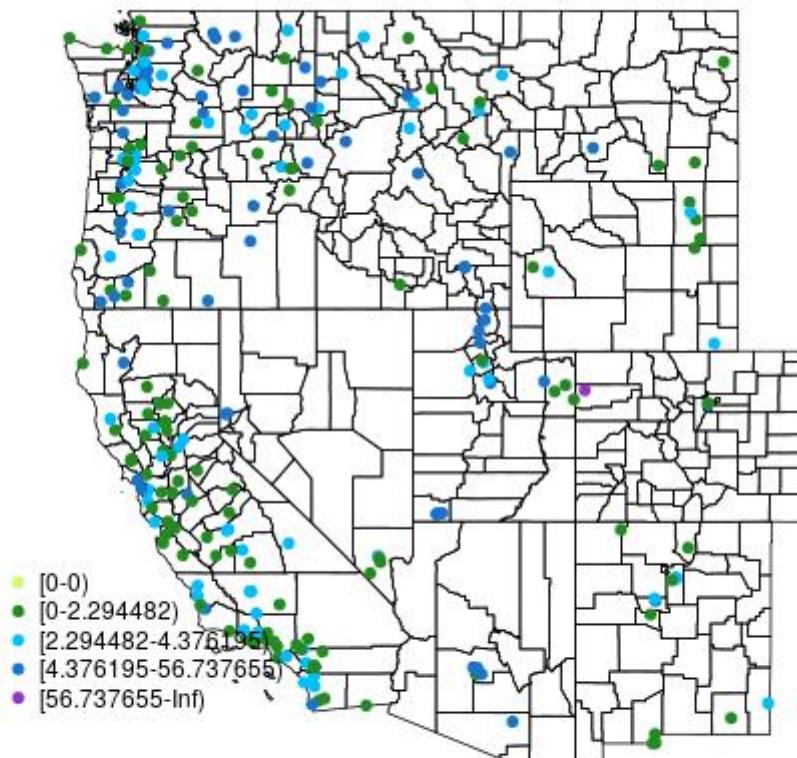


Figure 108: Both-1000 2012-09-20

Both_1000 2011-05-16

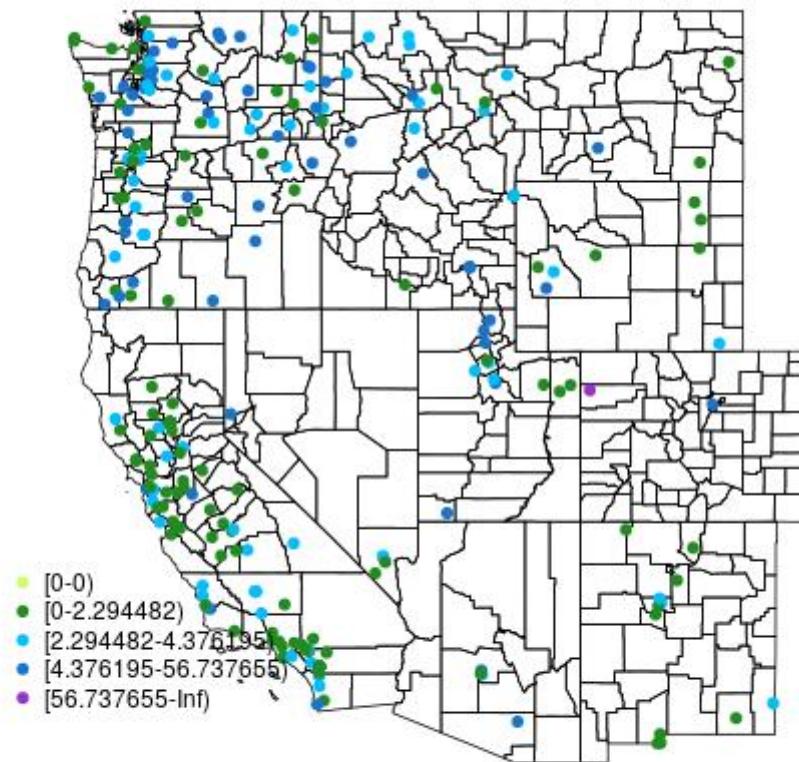


Figure 109: Both-1000 2011-05-16

Both_1000 2011-05-15

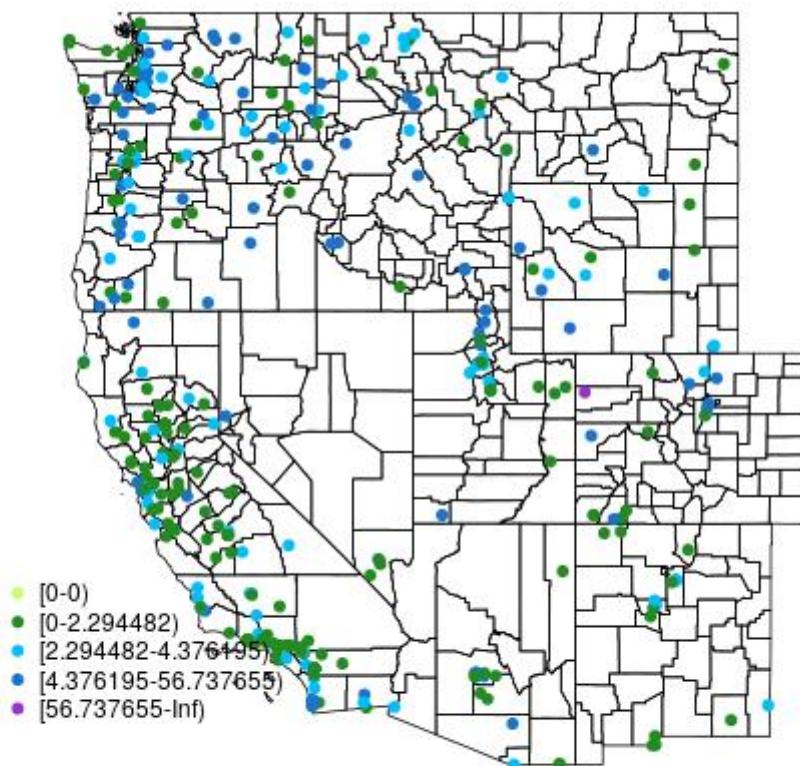


Figure 110: Both-1000 2011-05-15

Both_1000 2011-10-05

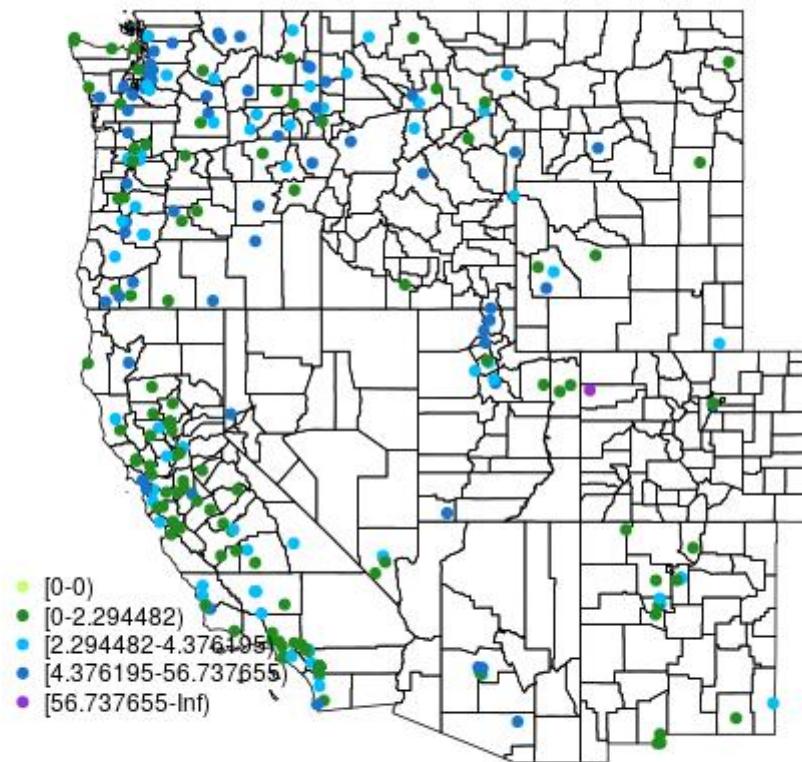


Figure 111: Both-1000 2011-10-05

AOD 2012-09-18

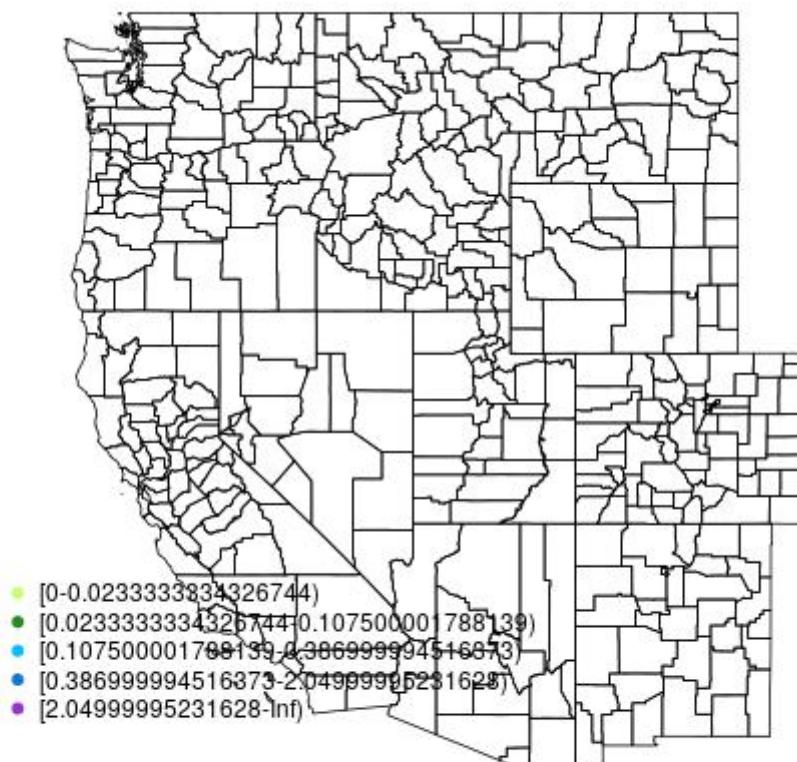


Figure 112: AOD 2012-09-18

AOD 2012-09-19

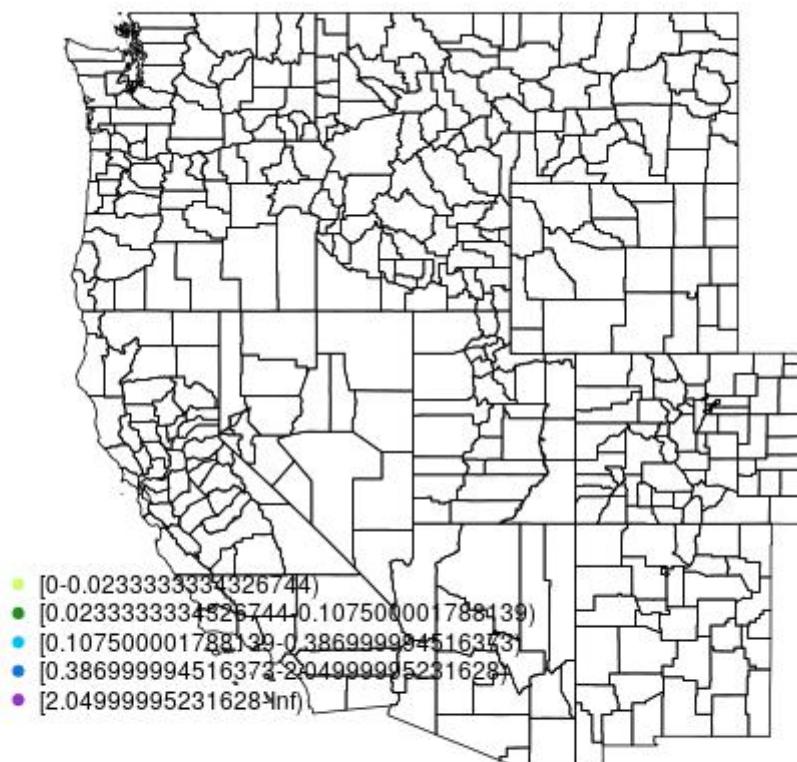


Figure 113: AOD 2012-09-19

AOD 2012-09-20

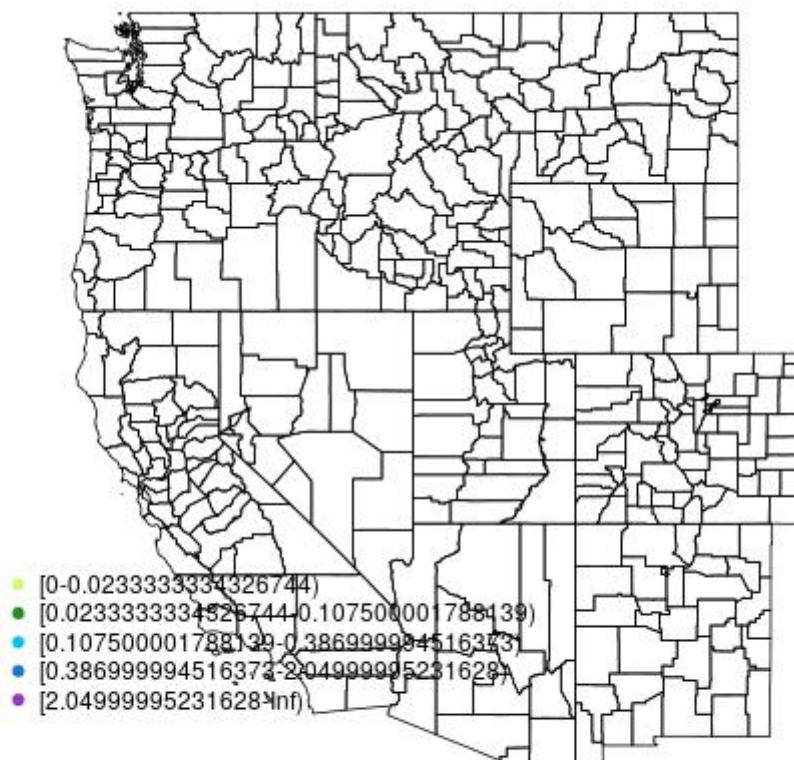


Figure 114: AOD 2012-09-20

AOD 2011-05-16

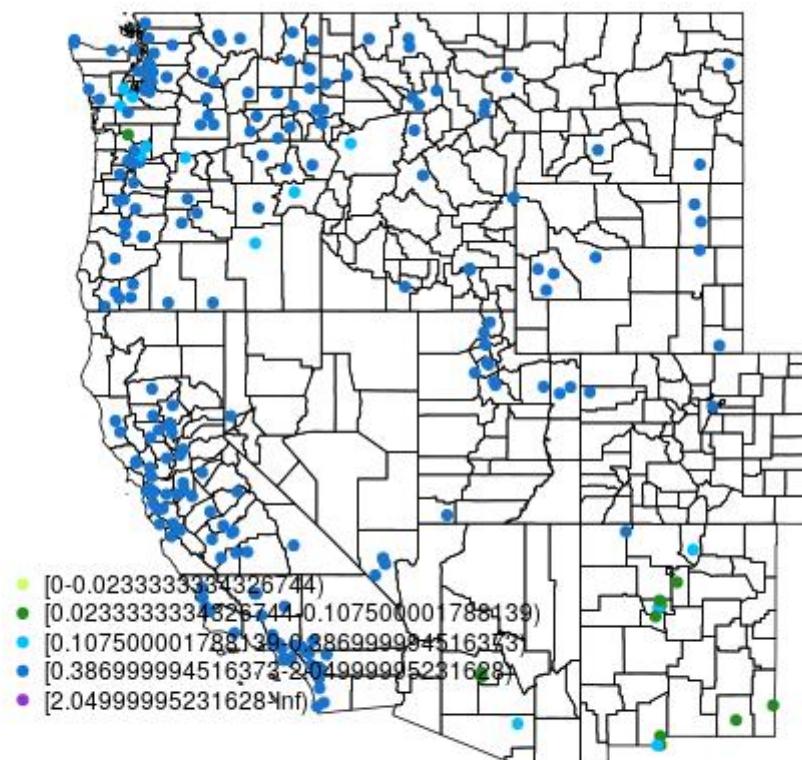


Figure 115: AOD 2011-05-16

AOD 2011-05-15

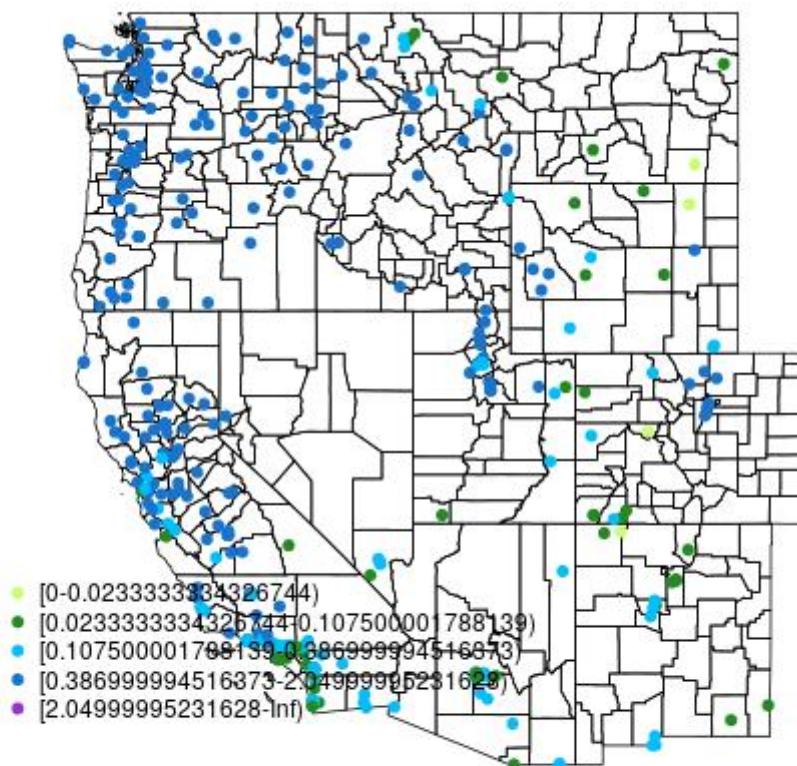


Figure 116: AOD 2011-05-15

AOD 2011-10-05

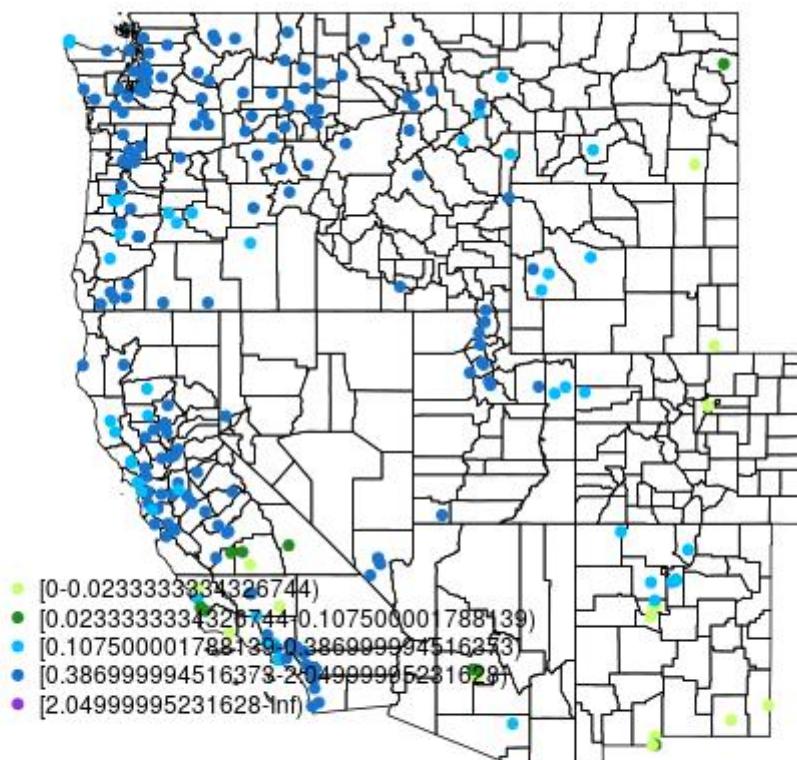


Figure 117: AOD 2011-10-05

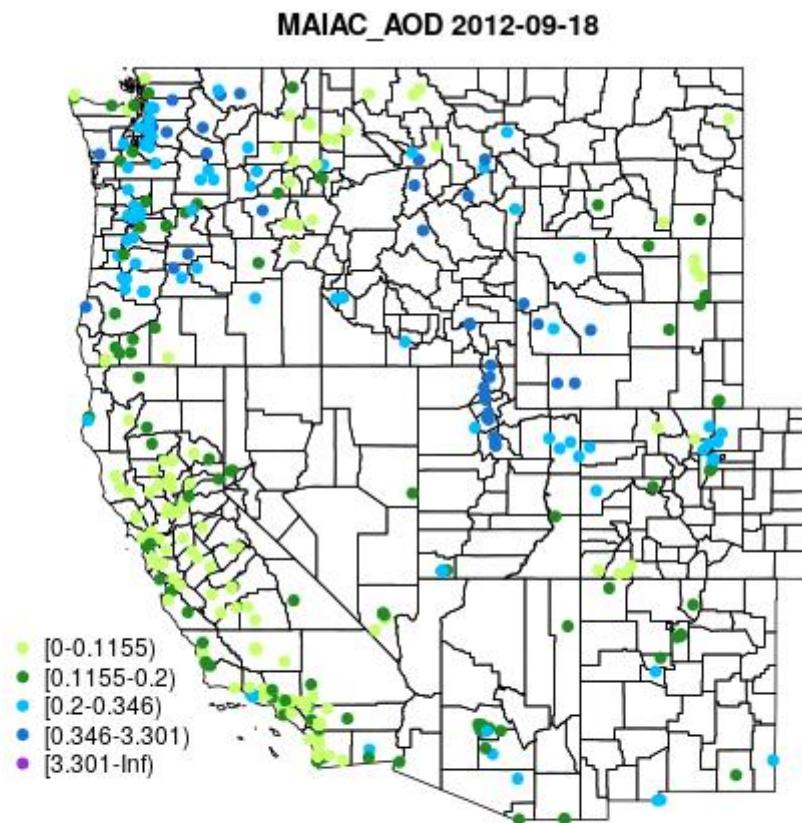


Figure 118: MAIAC-AOD 2012-09-18

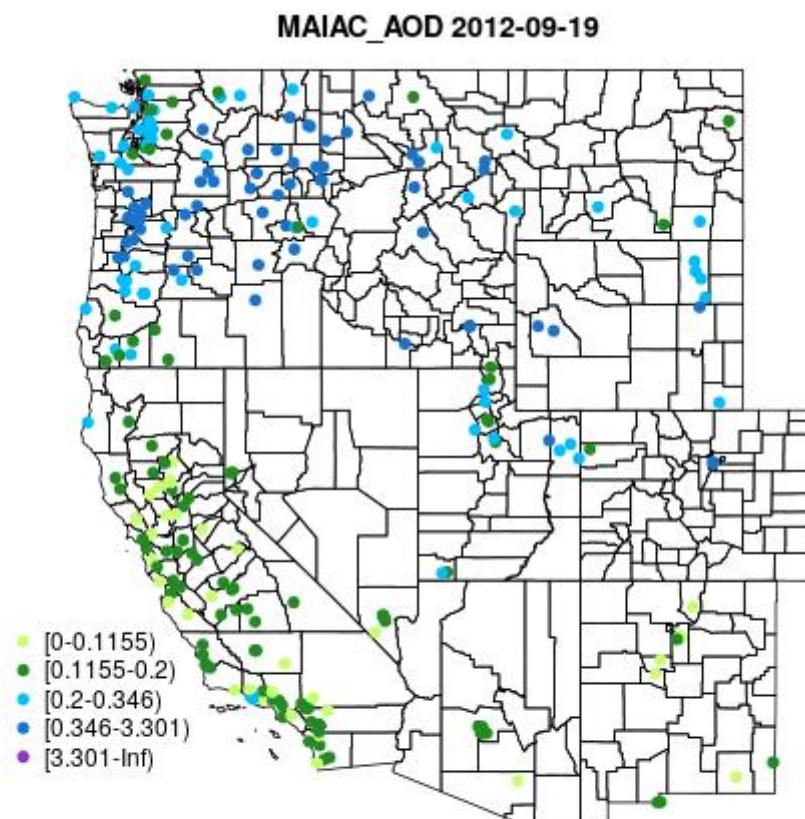


Figure 119: MAIAC-AOD 2012-09-19

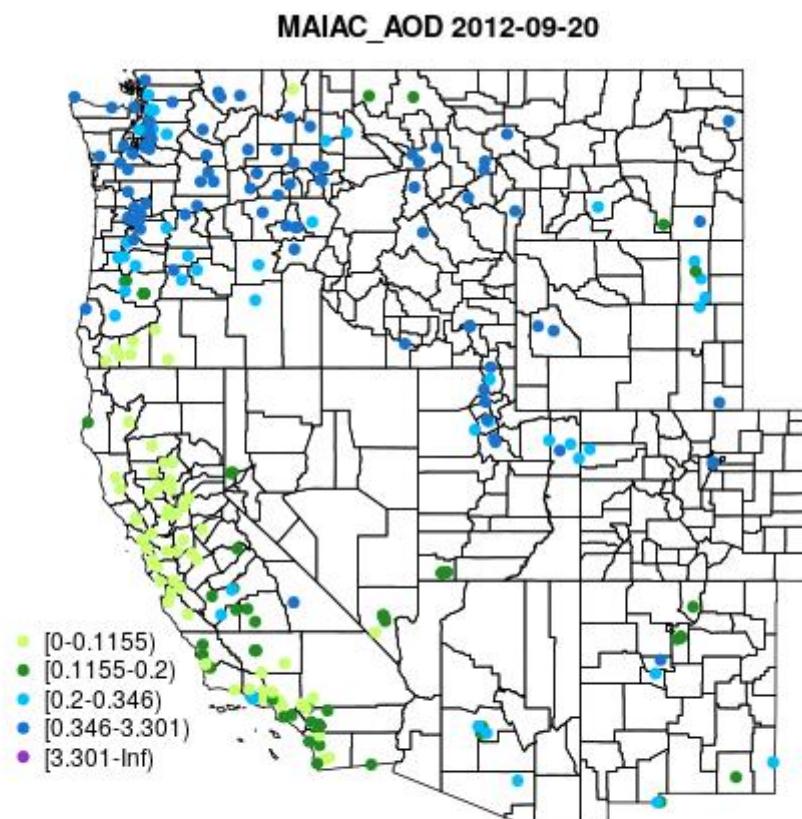


Figure 120: MAIAC-AOD 2012-09-20

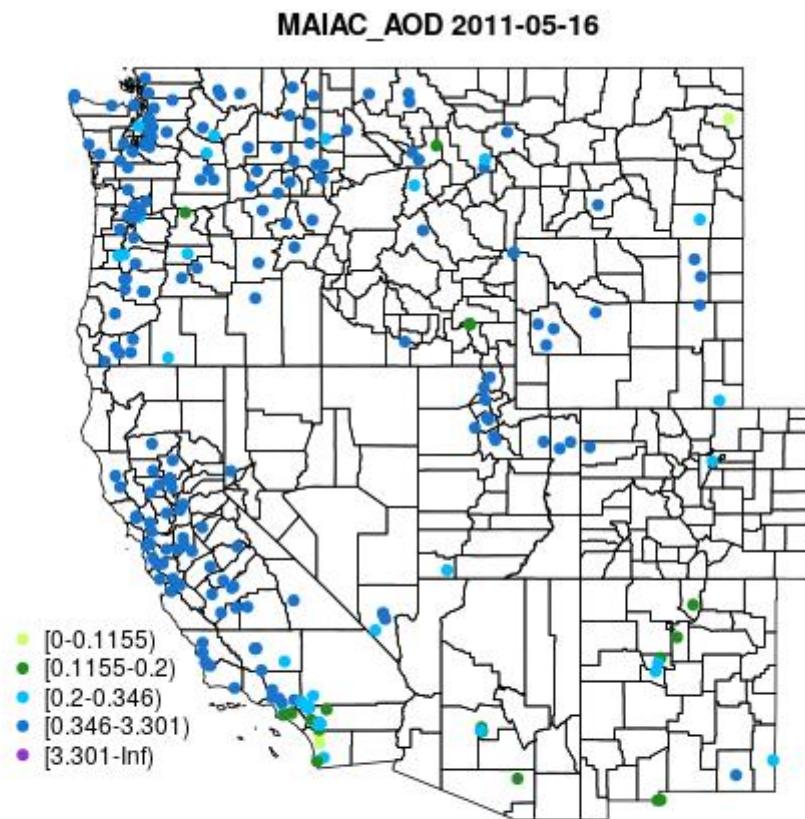


Figure 121: MAIAC-AOD 2011-05-16

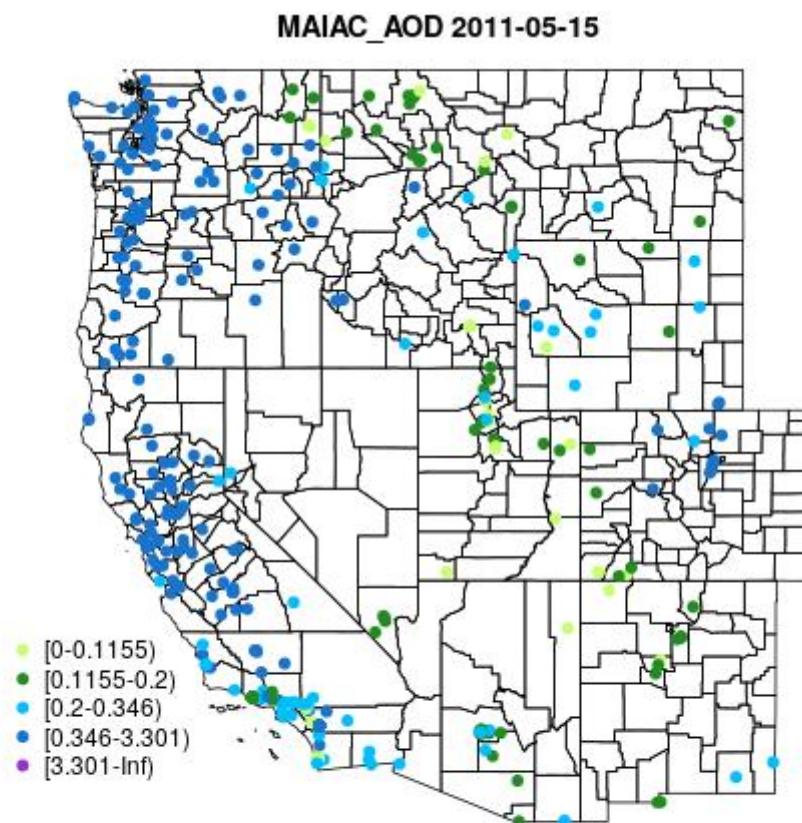


Figure 122: MAIAC-AOD 2011-05-15

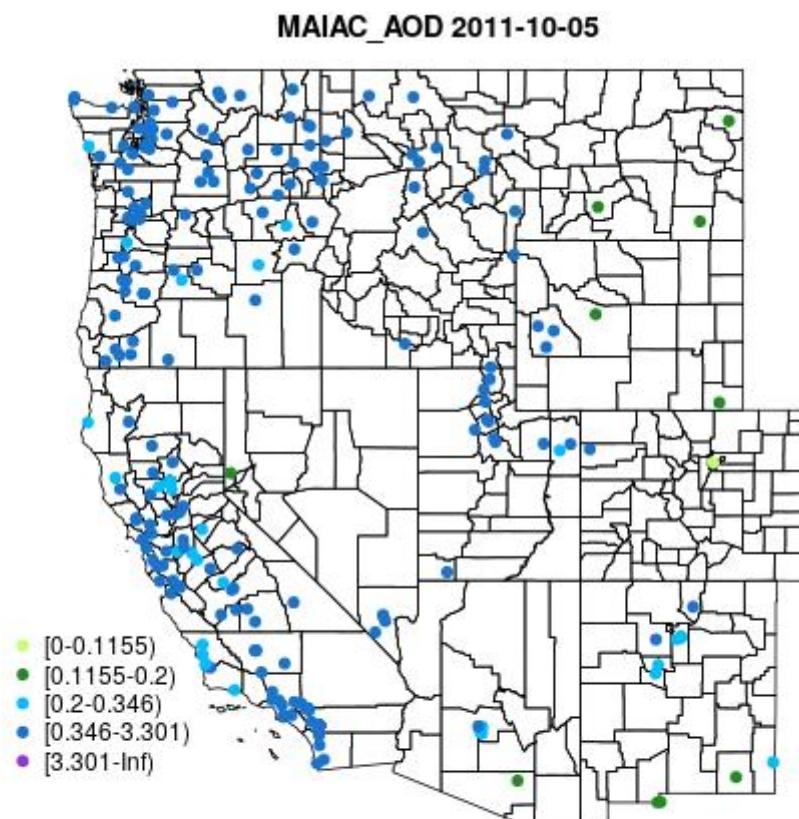


Figure 123: MAIAC-AOD 2011-10-05

HPBL.surface 2012-09-18

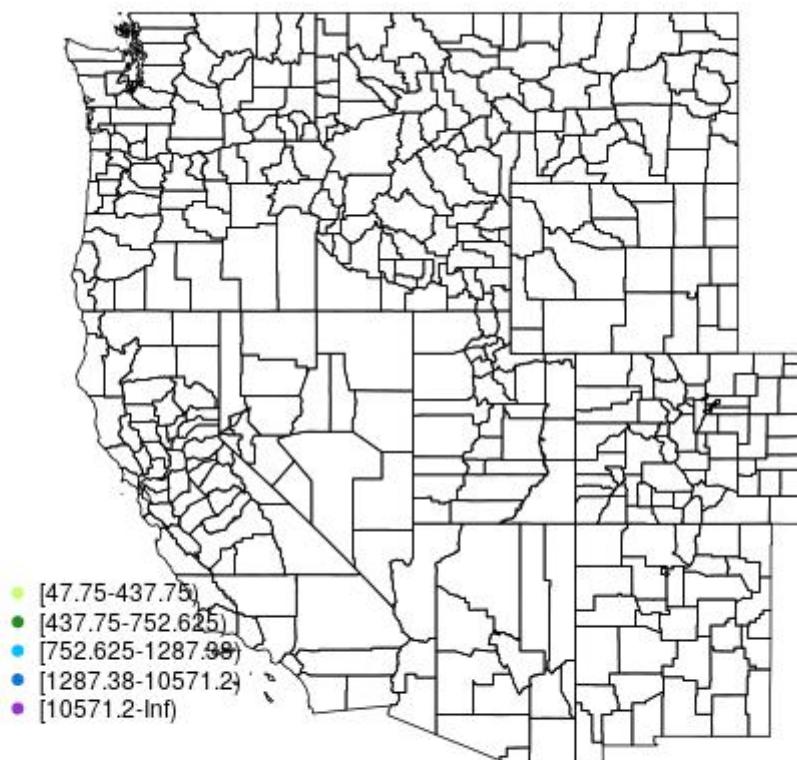


Figure 124: HPBL.surface 2012-09-18

HPBL.surface 2012-09-19

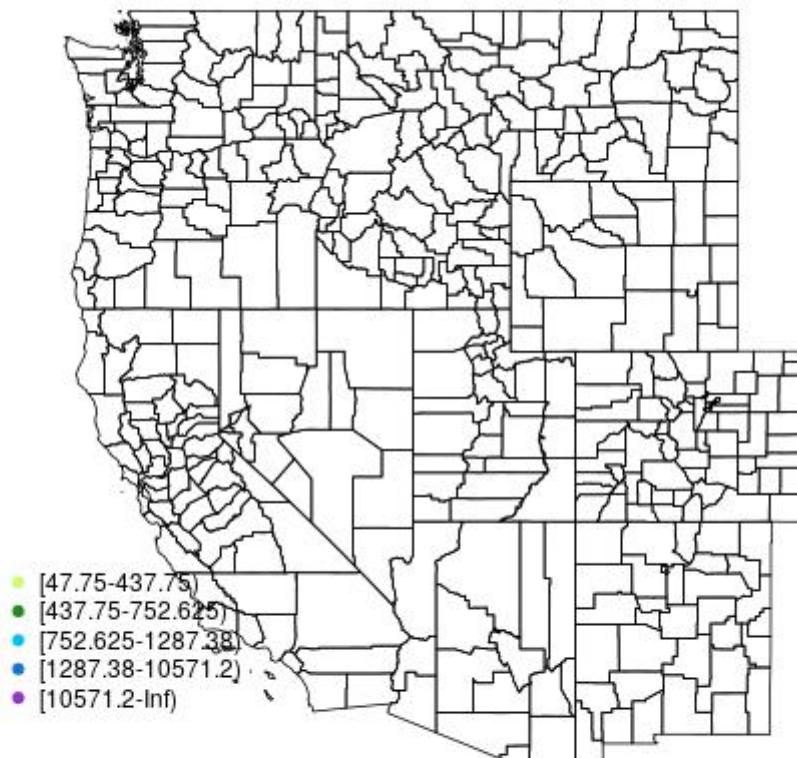


Figure 125: HPBL.surface 2012-09-19

HPBL.surface 2012-09-20

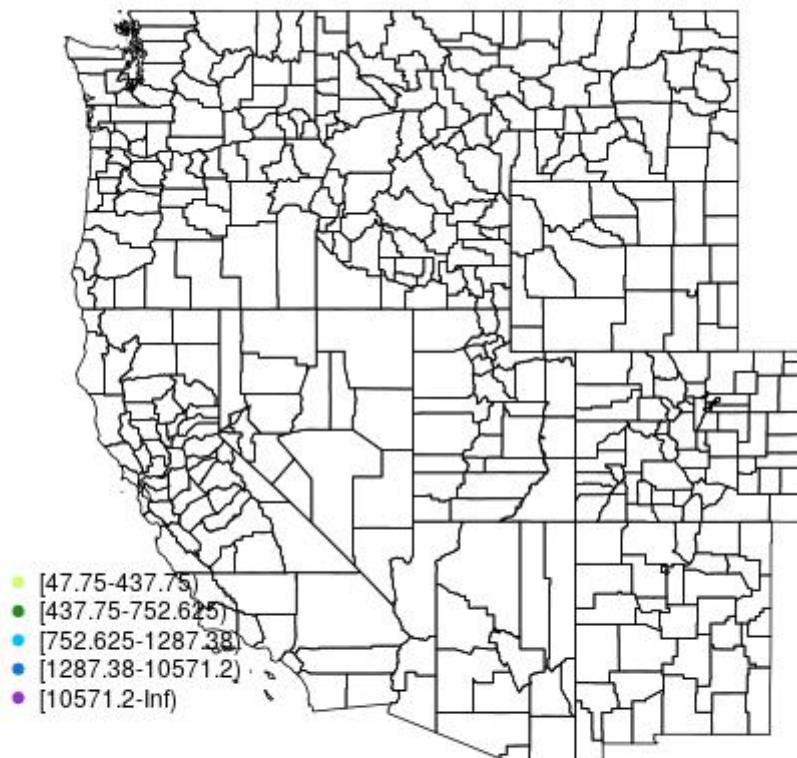


Figure 126: HPBL.surface 2012-09-20

HPBL.surface 2011-05-16

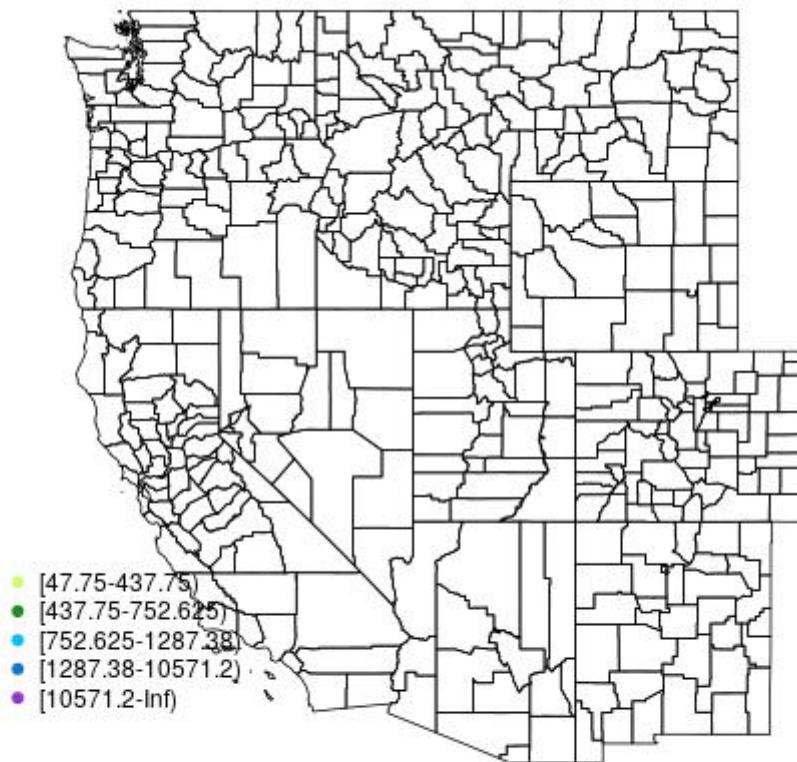


Figure 127: HPBL.surface 2011-05-16

HPBL.surface 2011-05-15

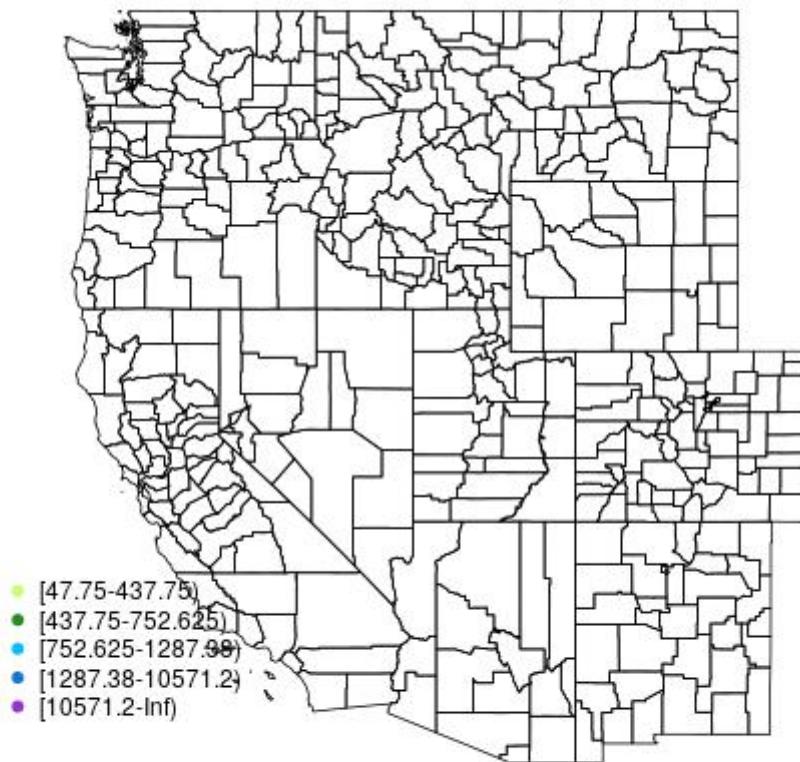


Figure 128: HPBL.surface 2011-05-15

HPBL.surface 2011-10-05

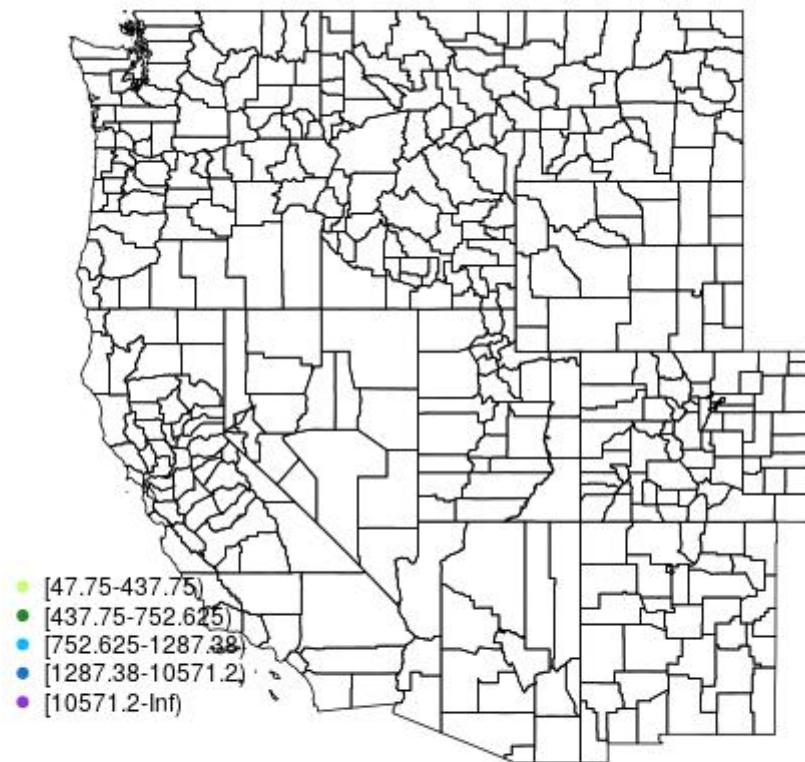


Figure 129: HPBL.surface 2011-10-05

TMP.2.m.above.ground 2012-09-18

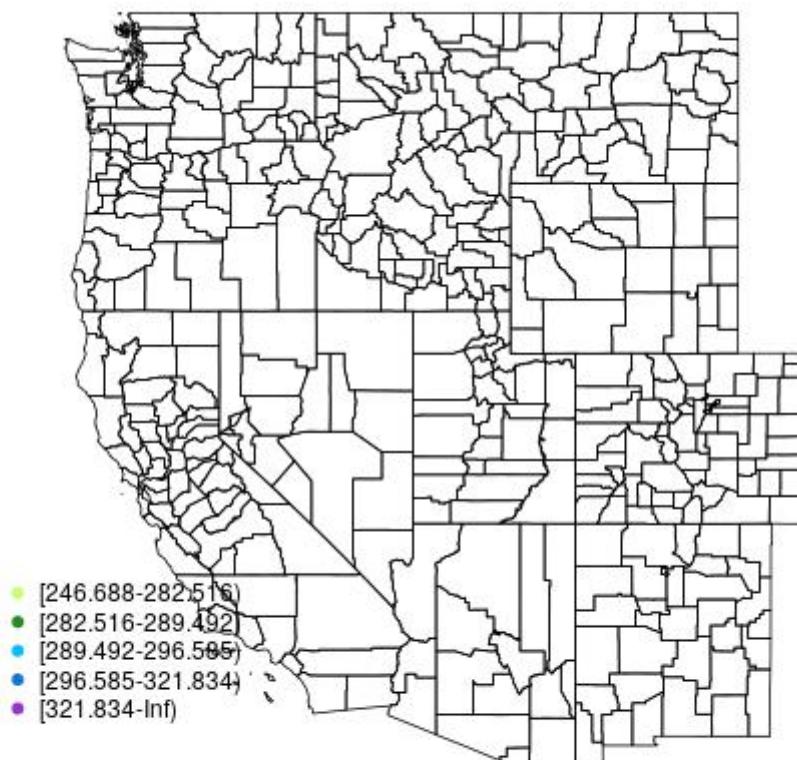


Figure 130: TMP.2.m.above.ground 2012-09-18

TMP.2.m.above.ground 2012-09-19

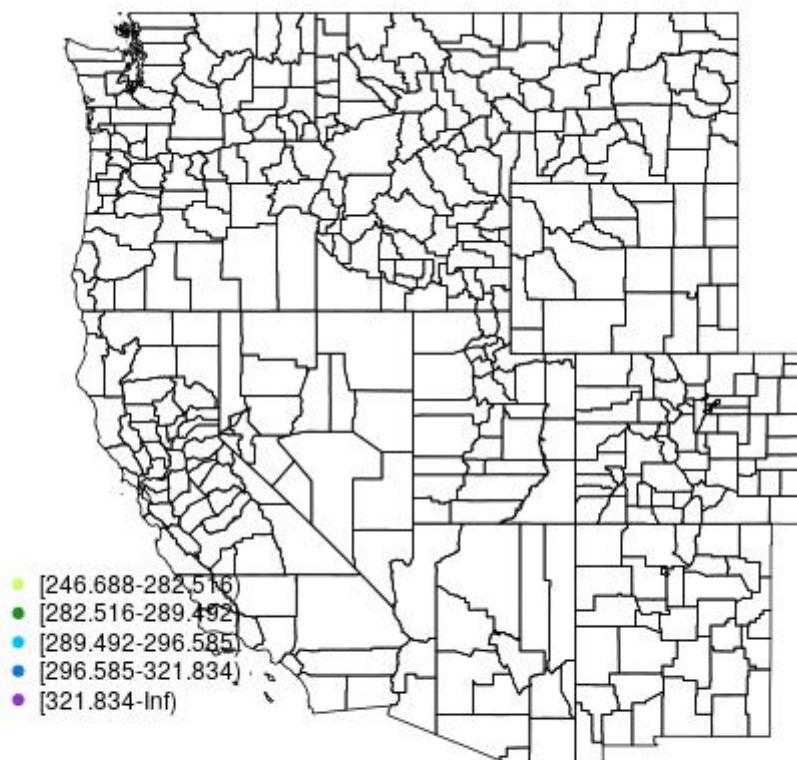


Figure 131: TMP.2.m.above.ground 2012-09-19

TMP.2.m.above.ground 2012-09-20

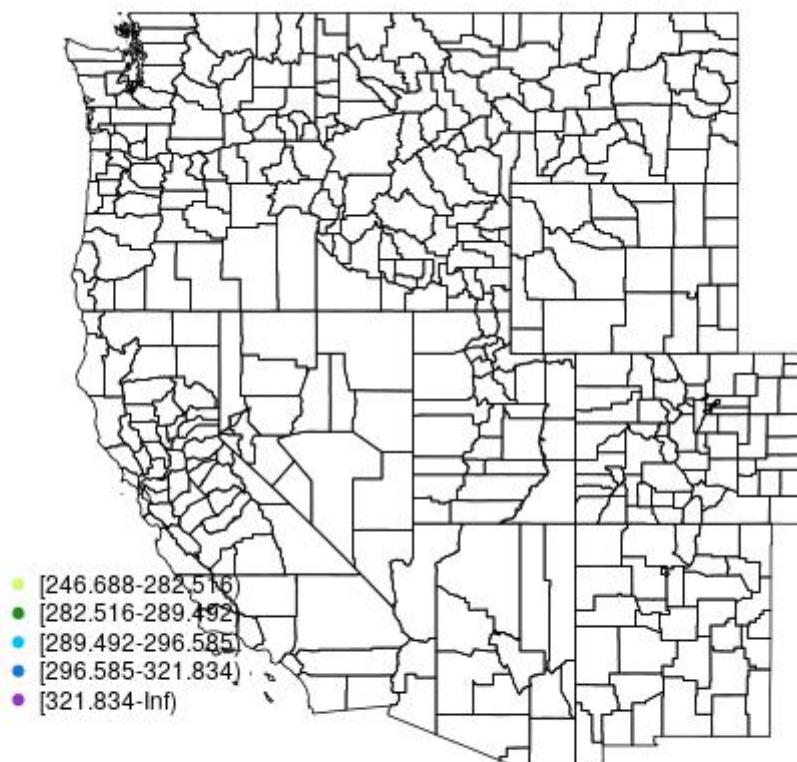


Figure 132: TMP.2.m.above.ground 2012-09-20

TMP.2.m.above.ground 2011-05-16

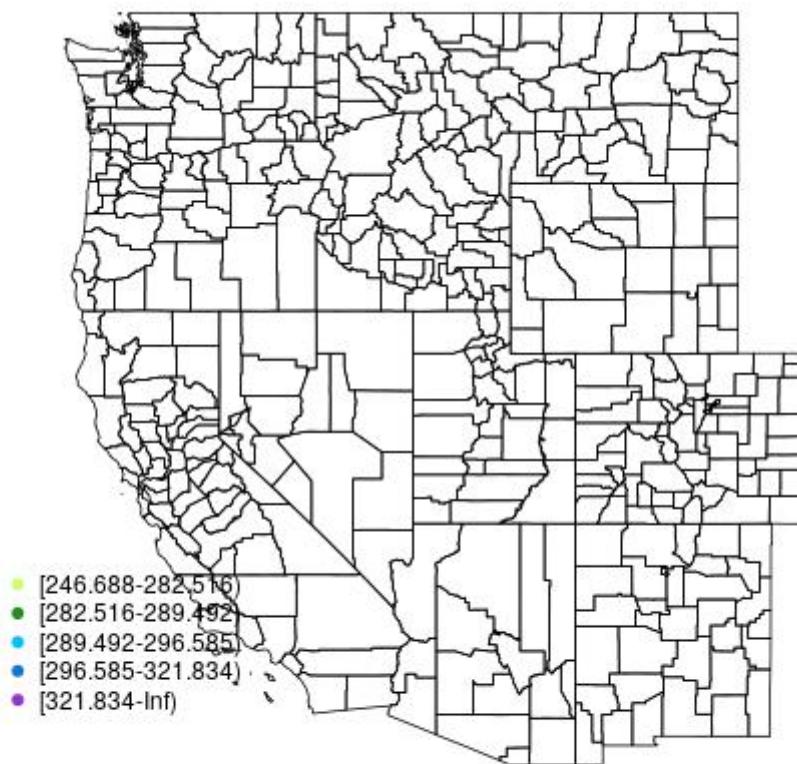


Figure 133: TMP.2.m.above.ground 2011-05-16

TMP.2.m.above.ground 2011-05-15

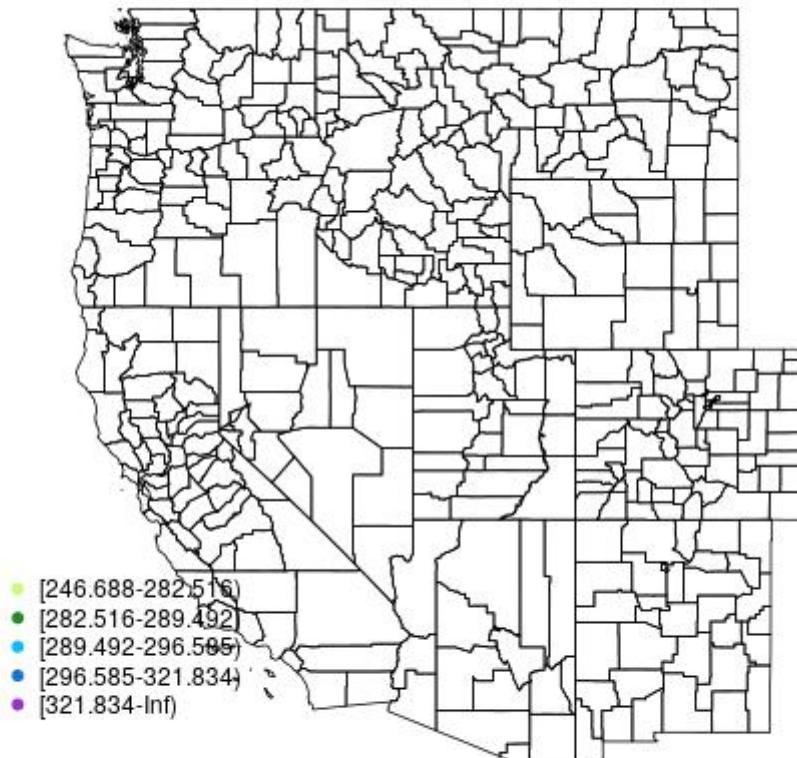


Figure 134: TMP.2.m.above.ground 2011-05-15

TMP.2.m.above.ground 2011-10-05

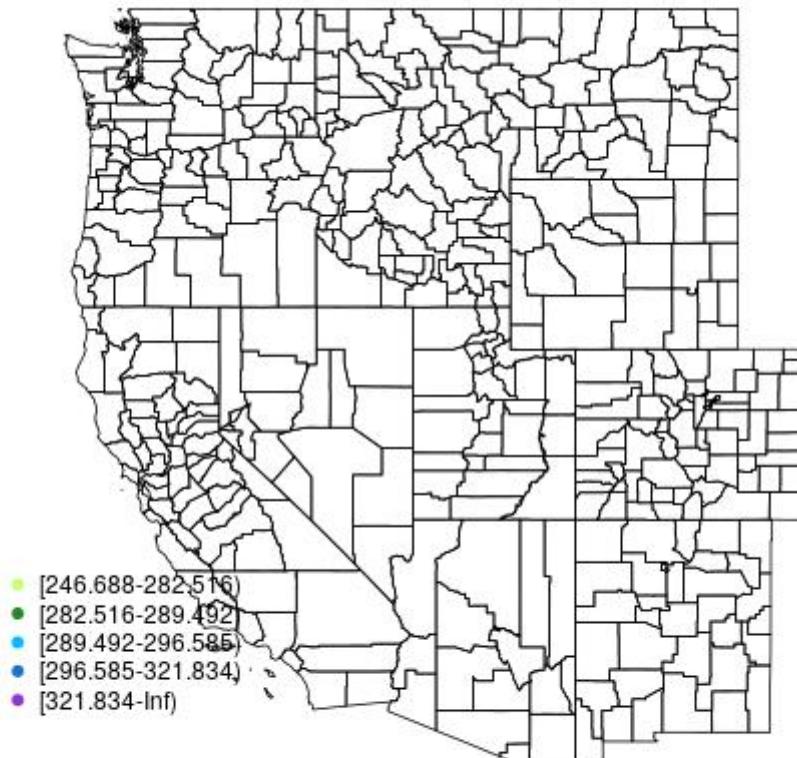


Figure 135: TMP.2.m.above.ground 2011-10-05

RH.2.m.above.ground 2012-09-18

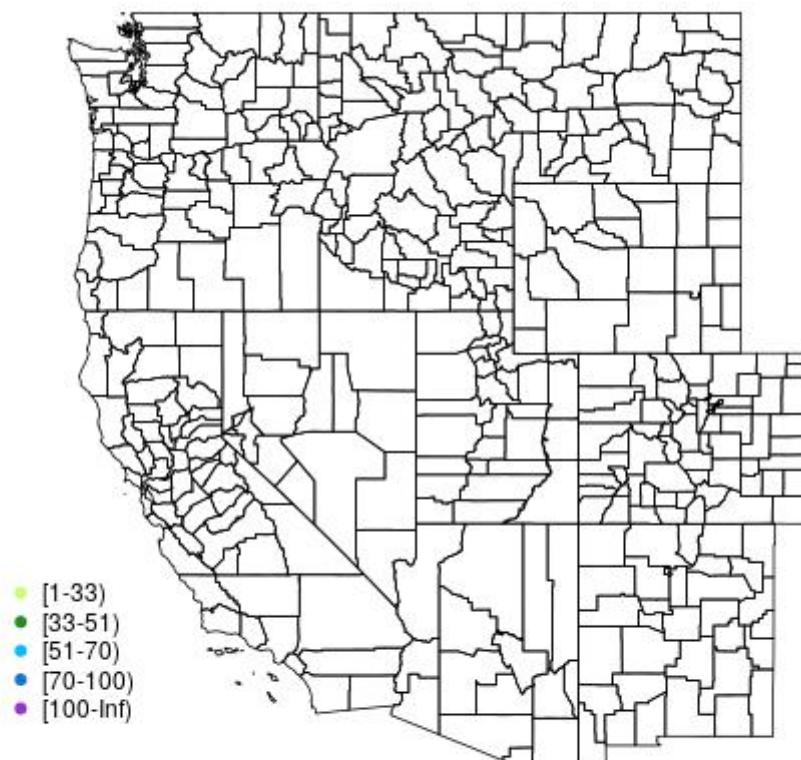


Figure 136: RH.2.m.above.ground 2012-09-18

RH.2.m.above.ground 2012-09-19

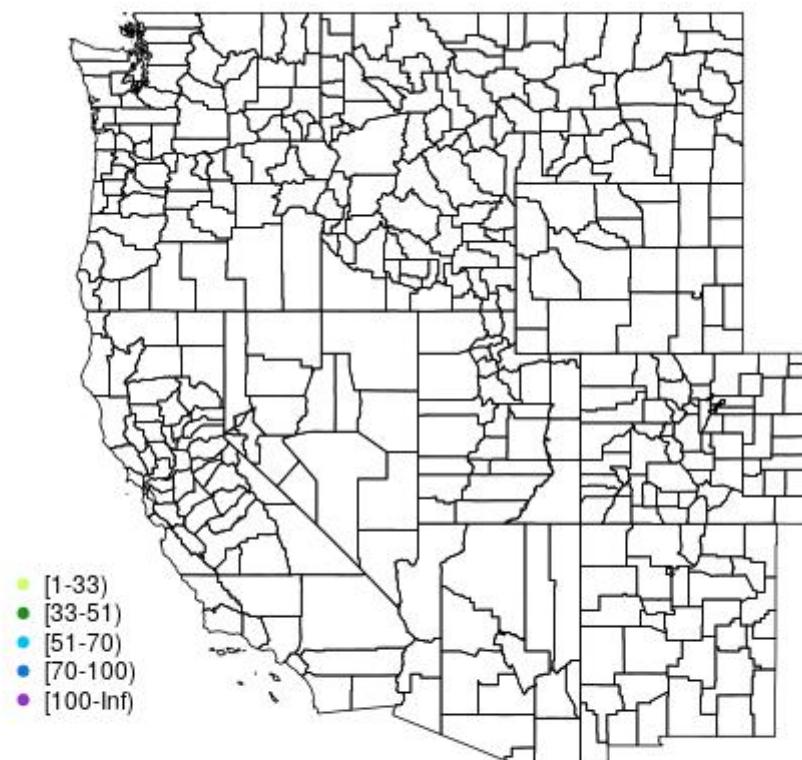


Figure 137: RH.2.m.above.ground 2012-09-19

RH.2.m.above.ground 2012-09-20

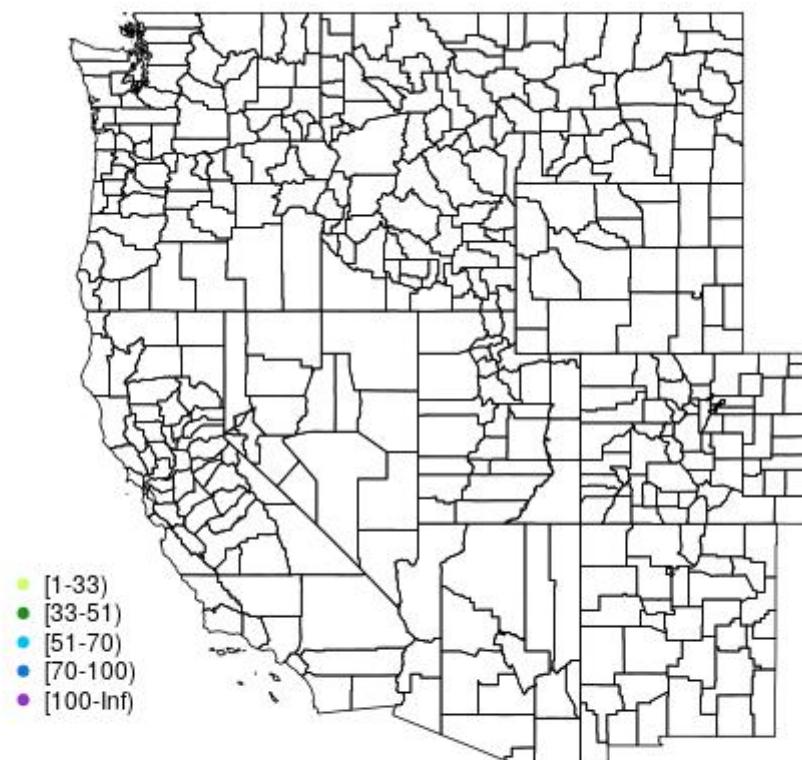


Figure 138: RH.2.m.above.ground 2012-09-20

RH.2.m.above.ground 2011-05-16

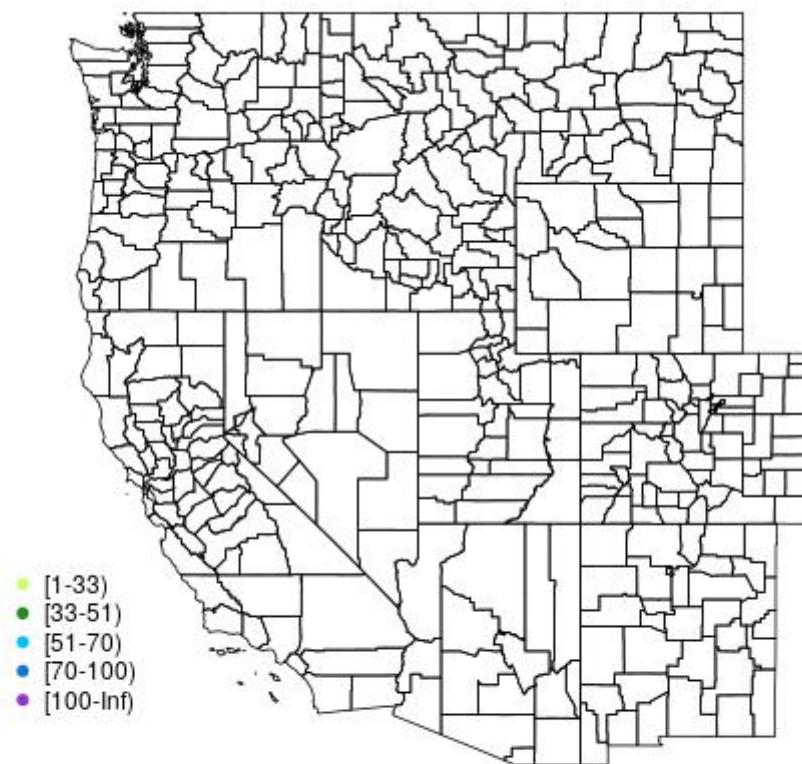


Figure 139: RH.2.m.above.ground 2011-05-16

RH.2.m.above.ground 2011-05-15

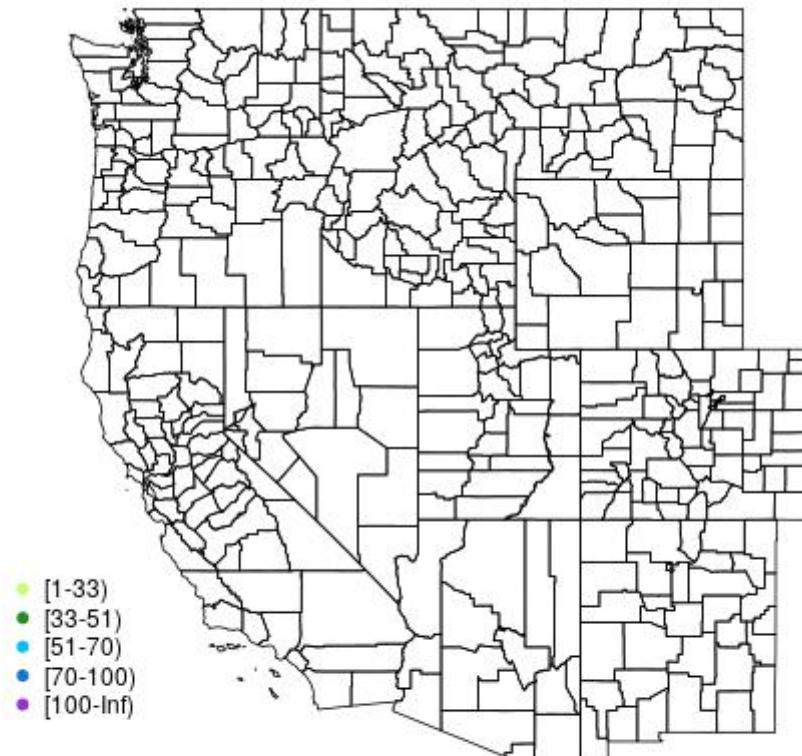


Figure 140: RH.2.m.above.ground 2011-05-15

RH.2.m.above.ground 2011-10-05

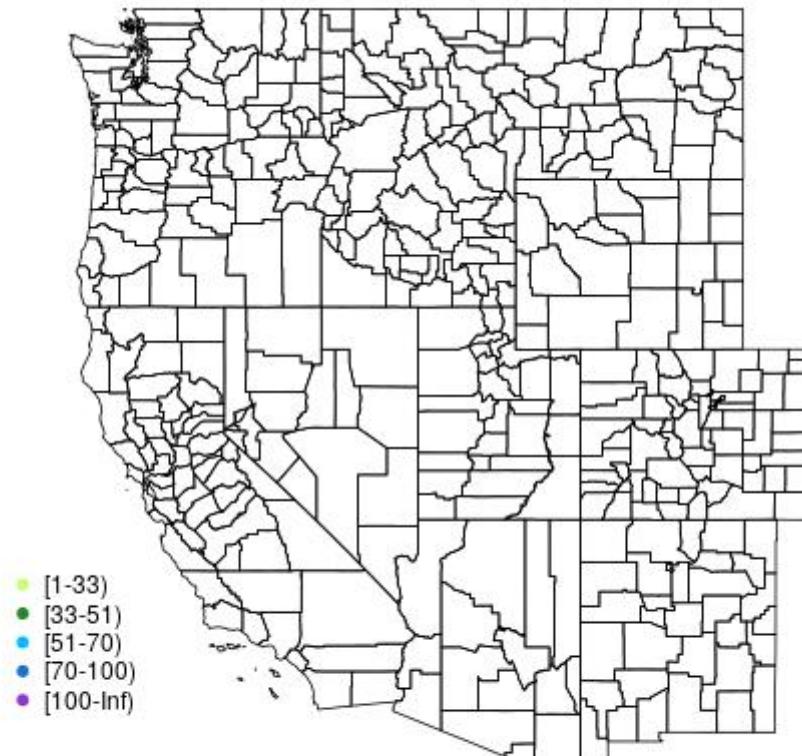


Figure 141: RH.2.m.above.ground 2011-10-05

DPT.2.m.above.ground 2012-09-18

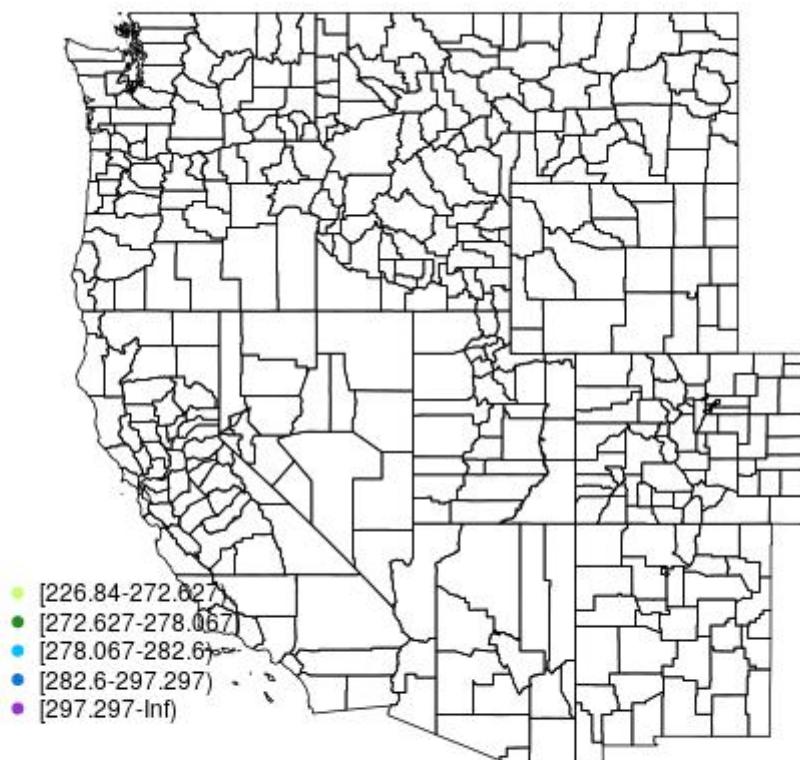


Figure 142: DPT.2.m.above.ground 2012-09-18

DPT.2.m.above.ground 2012-09-19

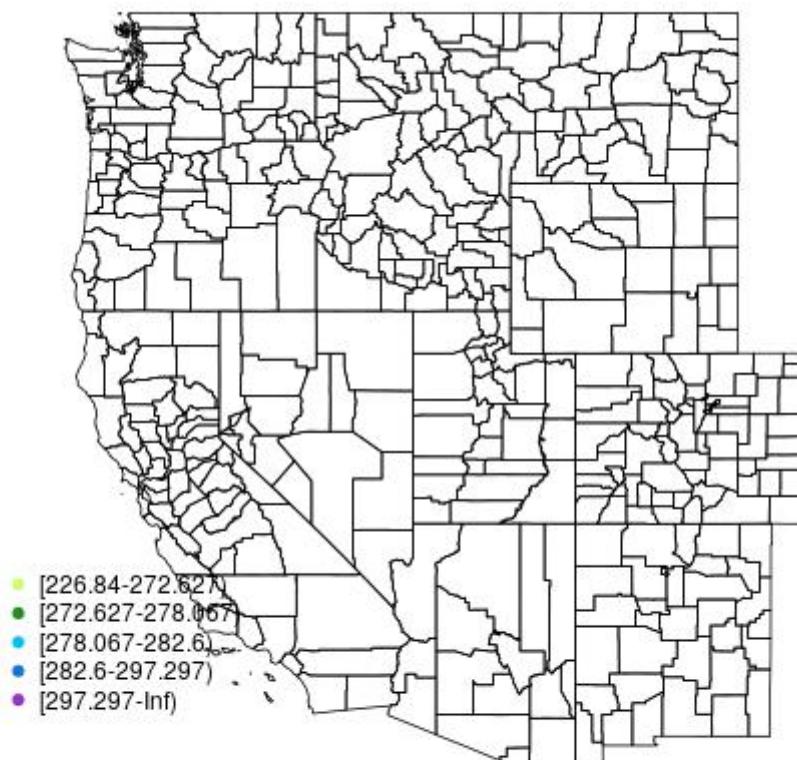


Figure 143: DPT.2.m.above.ground 2012-09-19

DPT.2.m.above.ground 2012-09-20

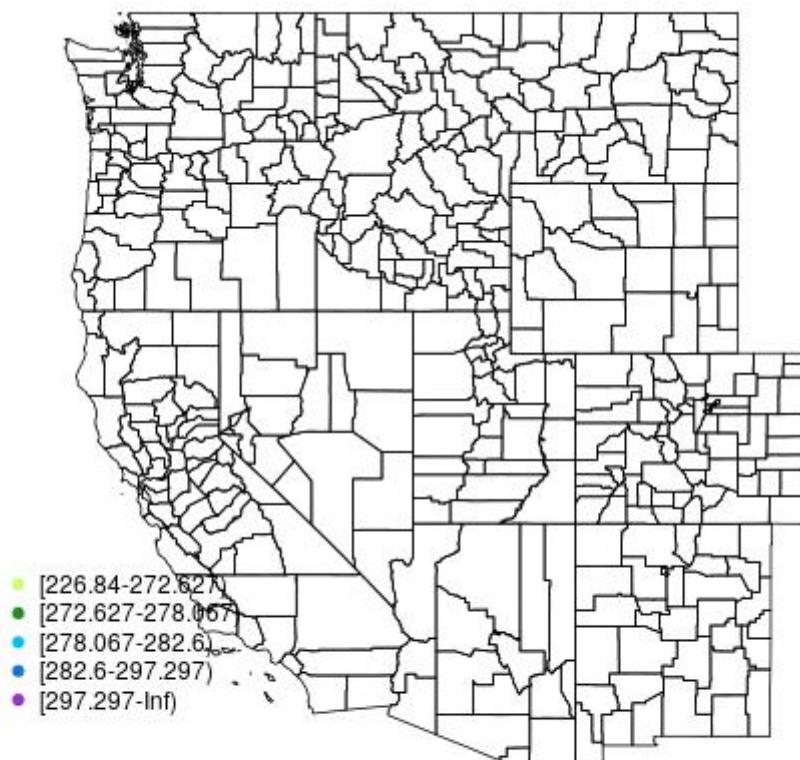


Figure 144: DPT.2.m.above.ground 2012-09-20

DPT.2.m.above.ground 2011-05-16

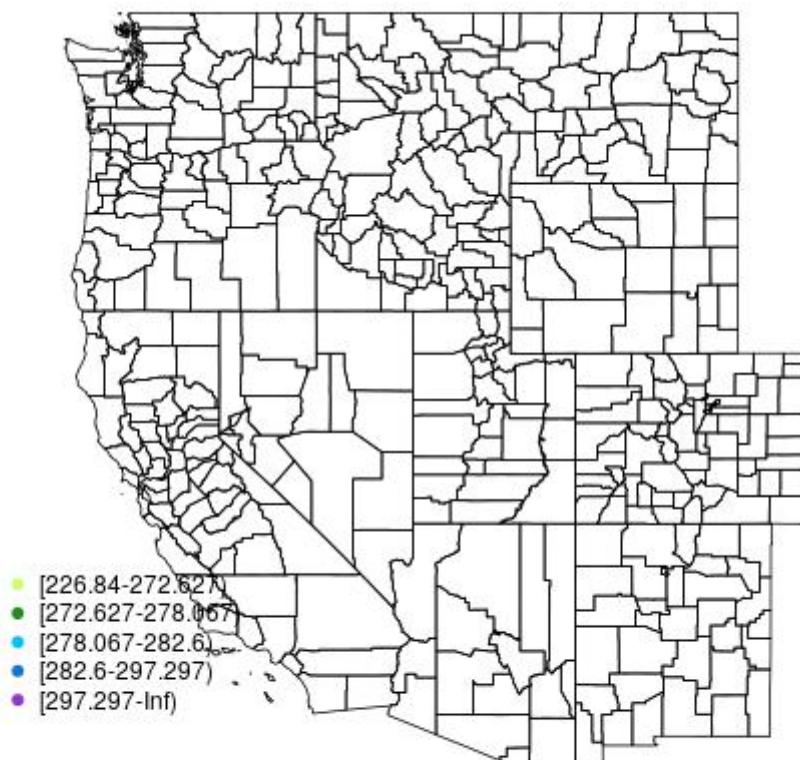


Figure 145: DPT.2.m.above.ground 2011-05-16

DPT.2.m.above.ground 2011-05-15

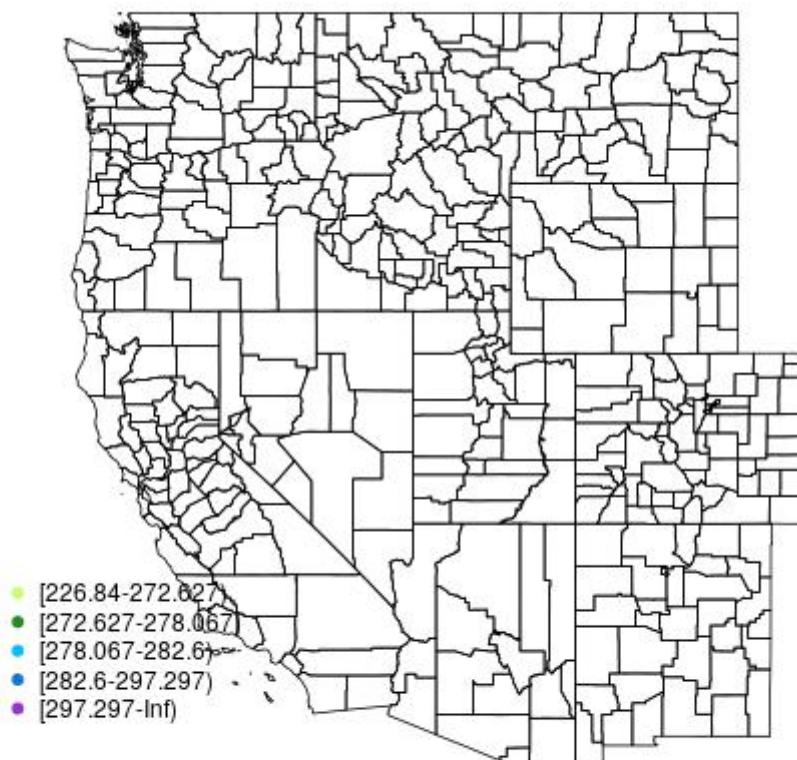


Figure 146: DPT.2.m.above.ground 2011-05-15

DPT.2.m.above.ground 2011-10-05

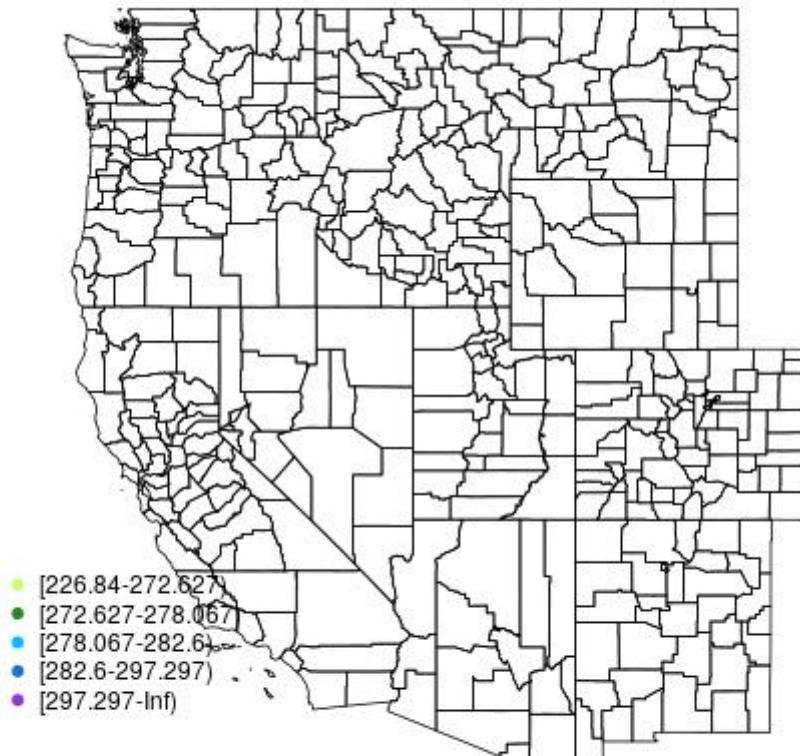


Figure 147: DPT.2.m.above.ground 2011-10-05

APCP.surface 2012-09-18

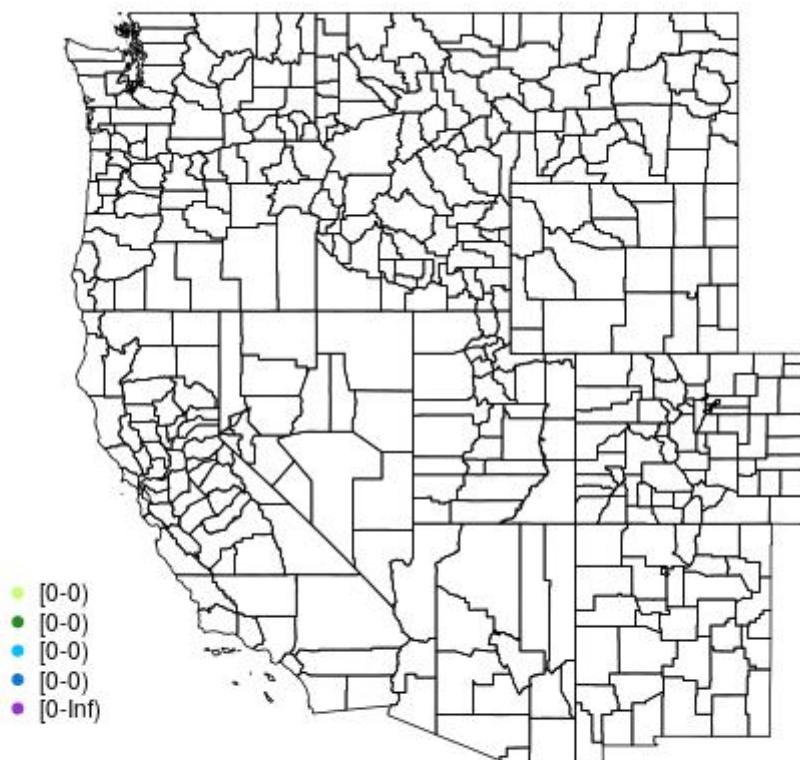


Figure 148: APCP.surface 2012-09-18

APCP.surface 2012-09-19

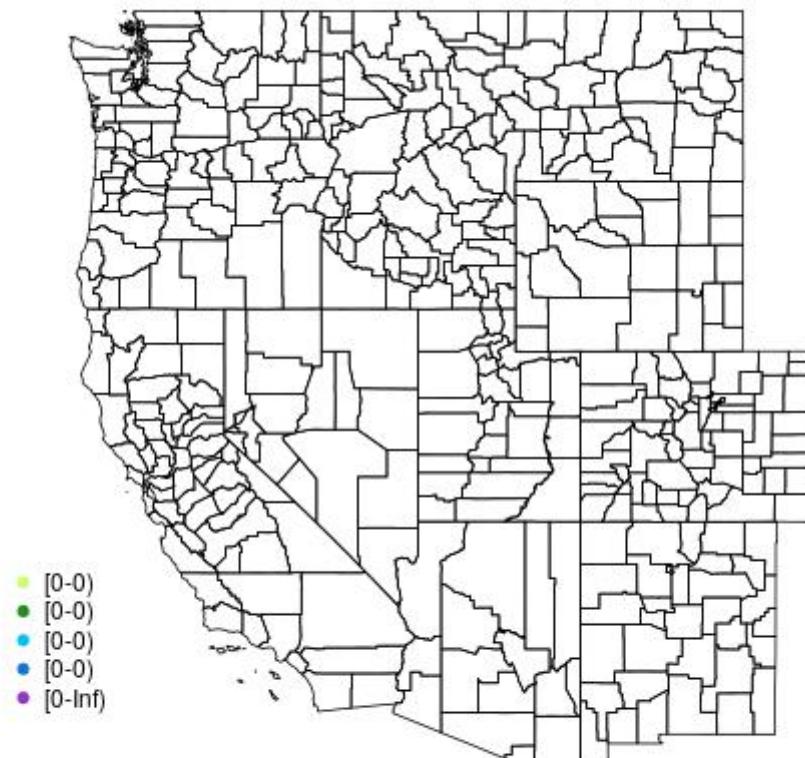


Figure 149: APCP.surface 2012-09-19

APCP.surface 2012-09-20

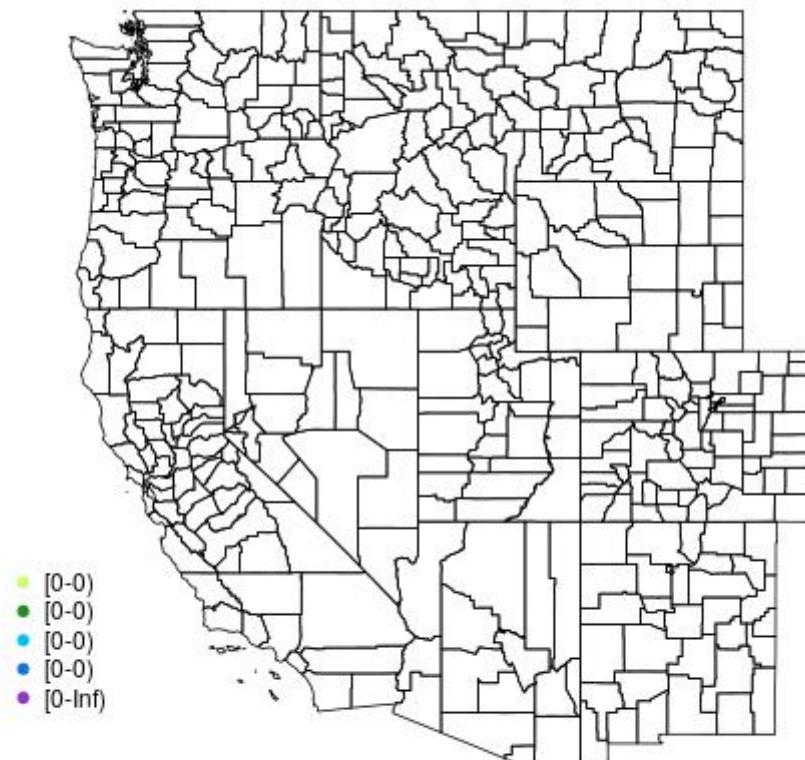


Figure 150: APCP.surface 2012-09-20

APCP.surface 2011-05-16

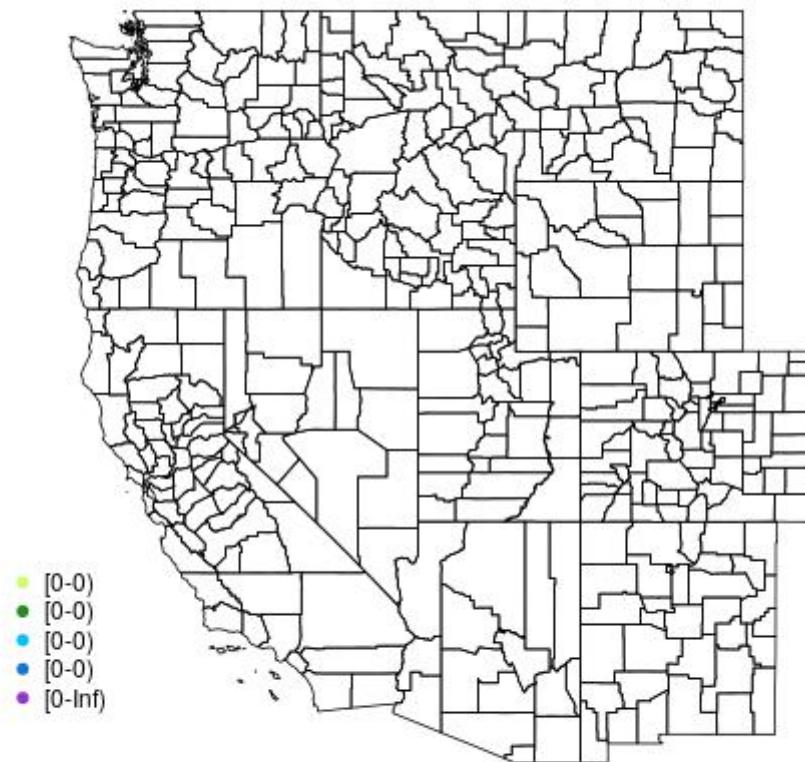


Figure 151: APCP.surface 2011-05-16

APCP.surface 2011-05-15

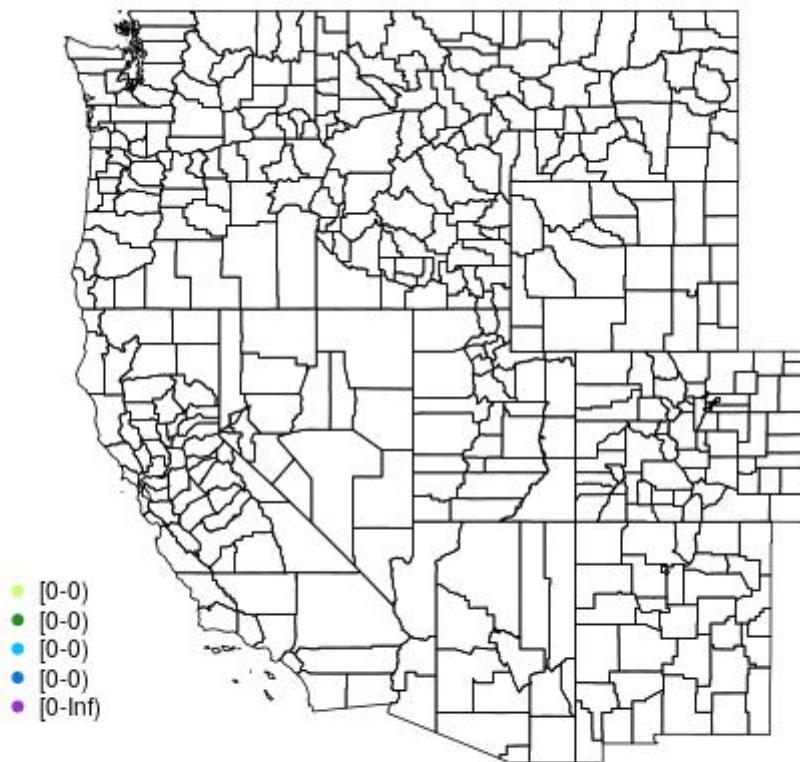


Figure 152: APCP.surface 2011-05-15

APCP.surface 2011-10-05

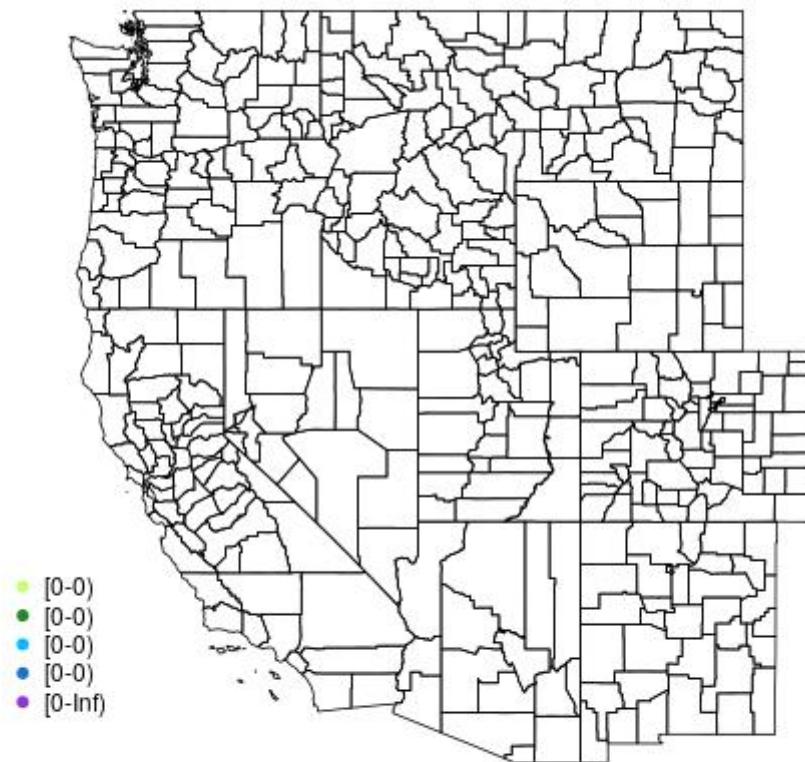


Figure 153: APCP.surface 2011-10-05

WEASD.surface 2012-09-18

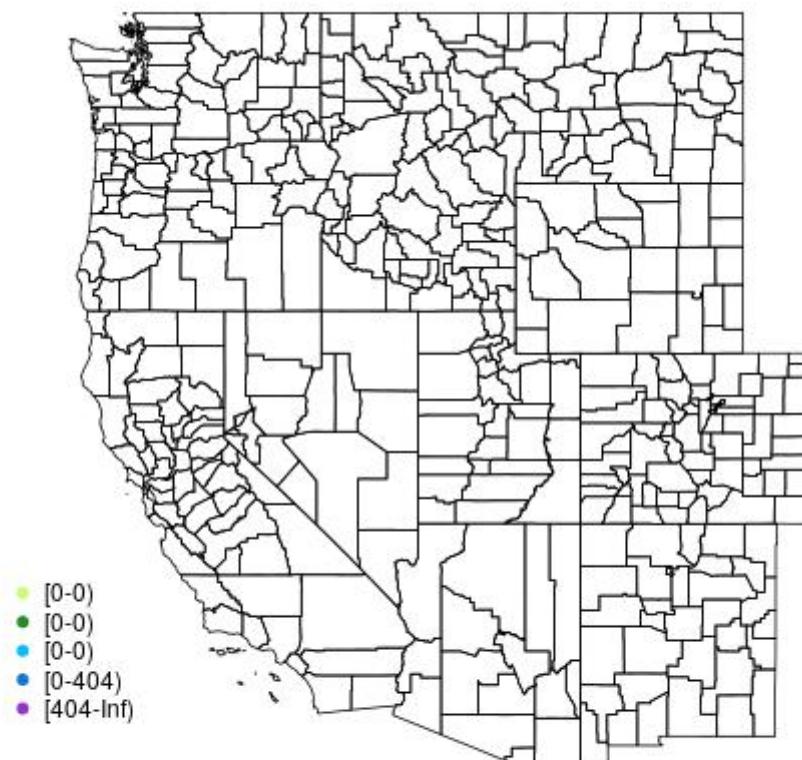


Figure 154: WEASD.surface 2012-09-18

WEASD.surface 2012-09-19

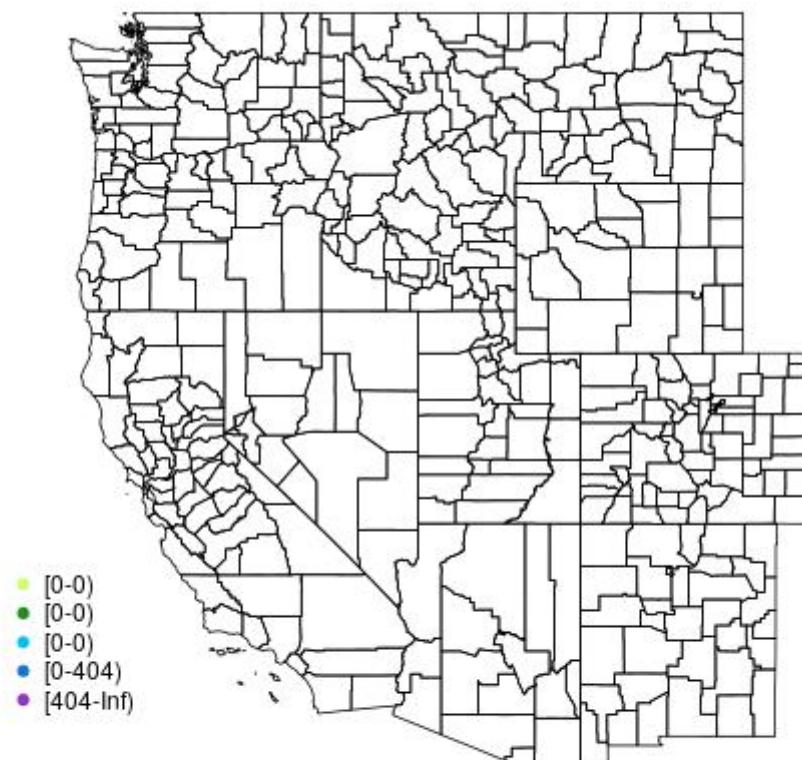


Figure 155: WEASD.surface 2012-09-19

WEASD.surface 2012-09-20

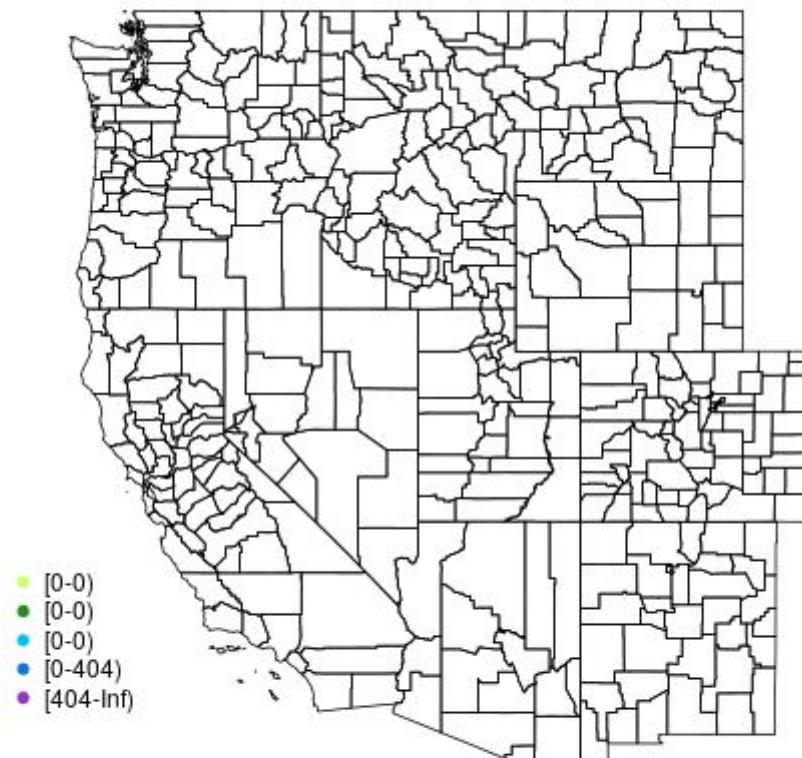


Figure 156: WEASD.surface 2012-09-20

WEASD.surface 2011-05-16

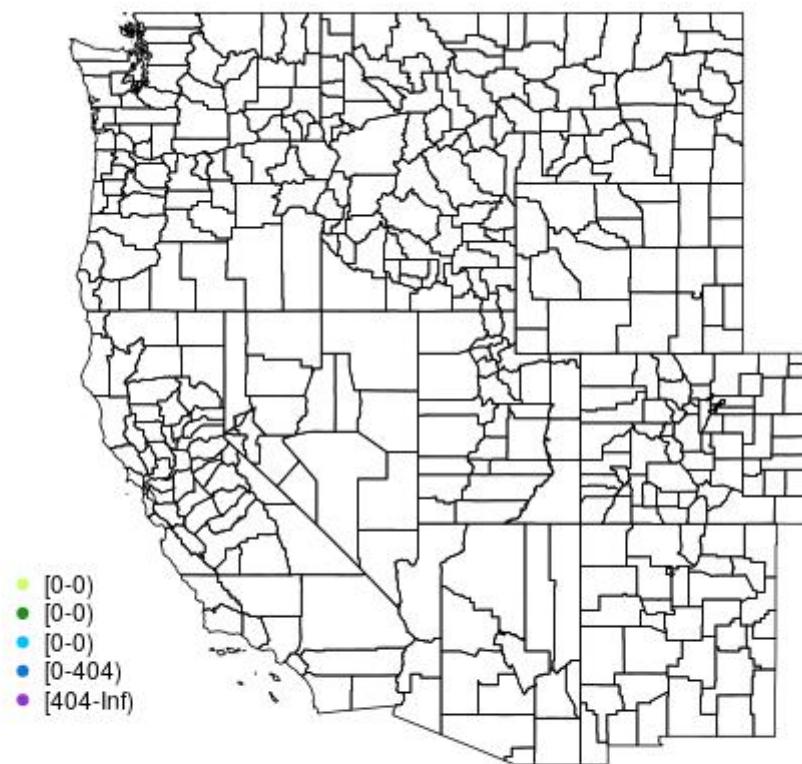


Figure 157: WEASD.surface 2011-05-16

WEASD.surface 2011-05-15

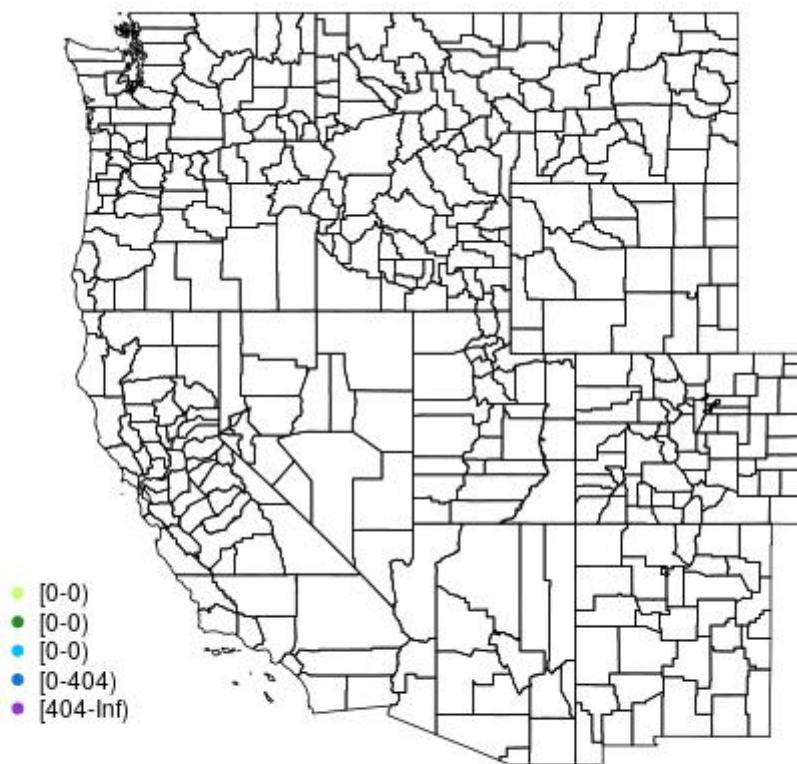


Figure 158: WEASD.surface 2011-05-15

WEASD.surface 2011-10-05

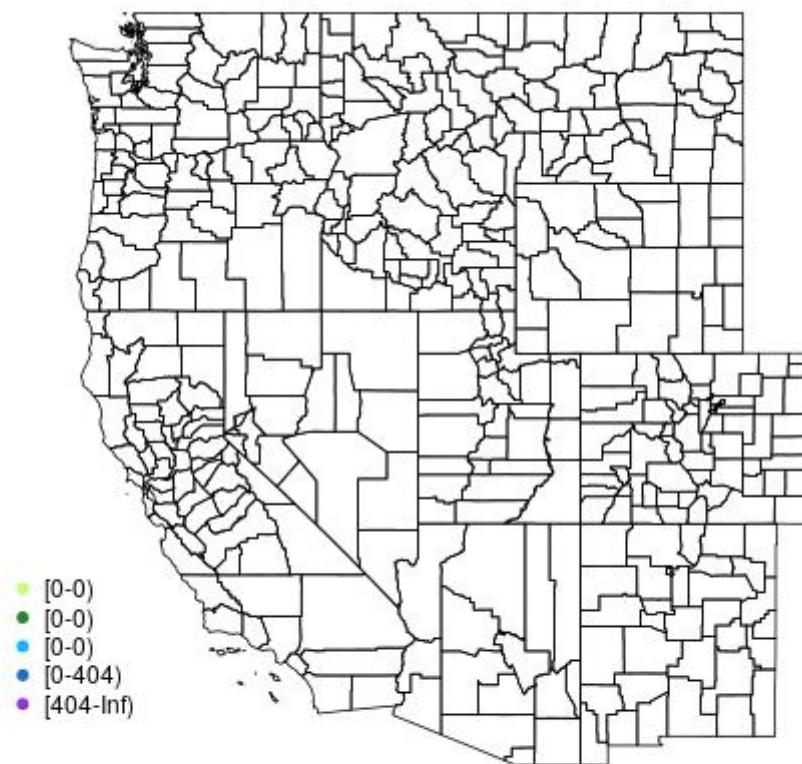


Figure 159: WEASD.surface 2011-10-05

SNOWC.surface 2012-09-18

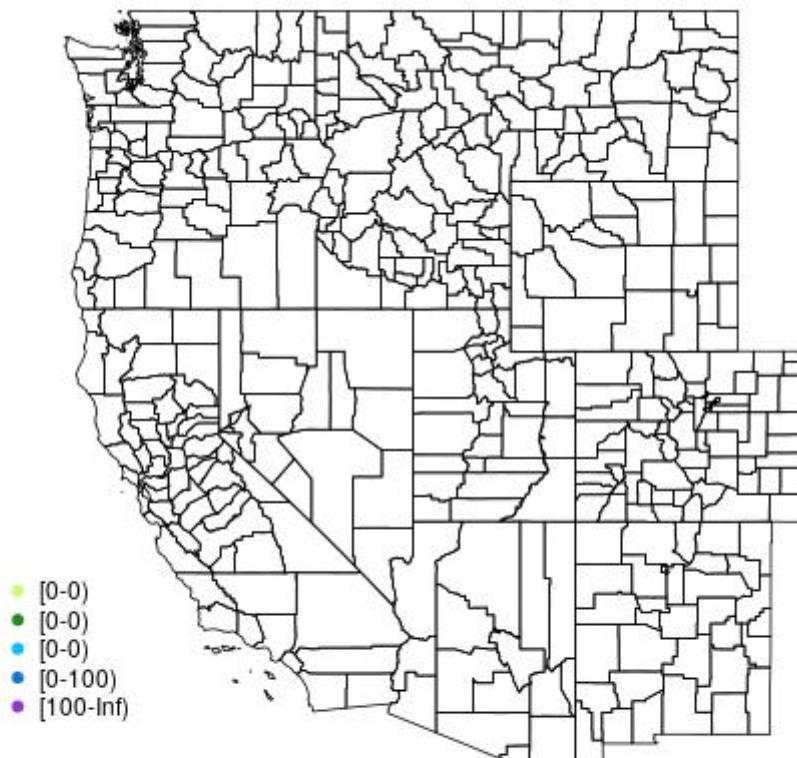


Figure 160: SNOWC.surface 2012-09-18

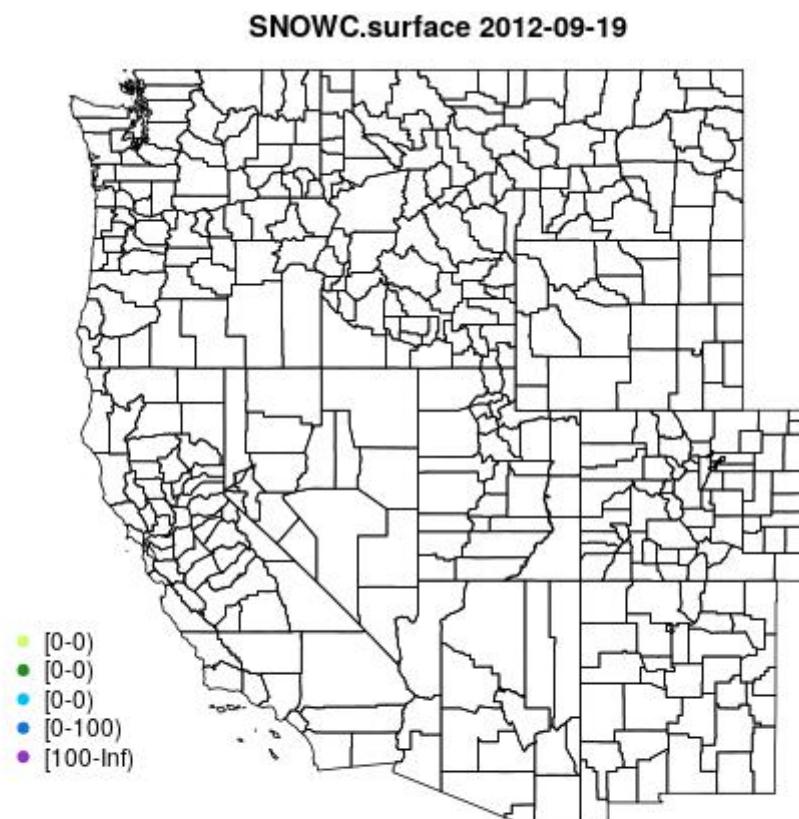


Figure 161: SNOWC.surface 2012-09-19

SNOWC.surface 2012-09-20

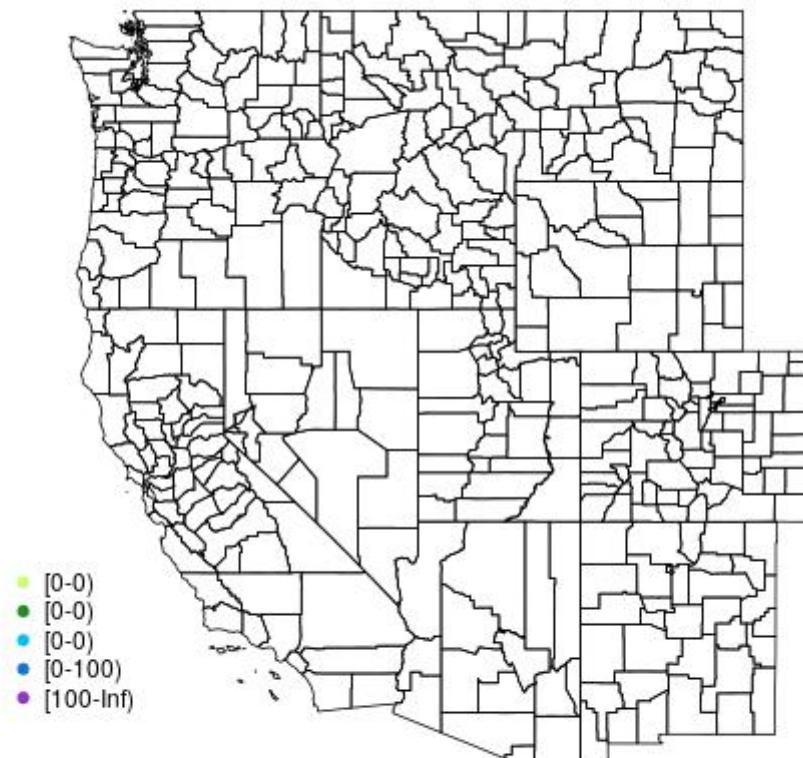


Figure 162: SNOWC.surface 2012-09-20

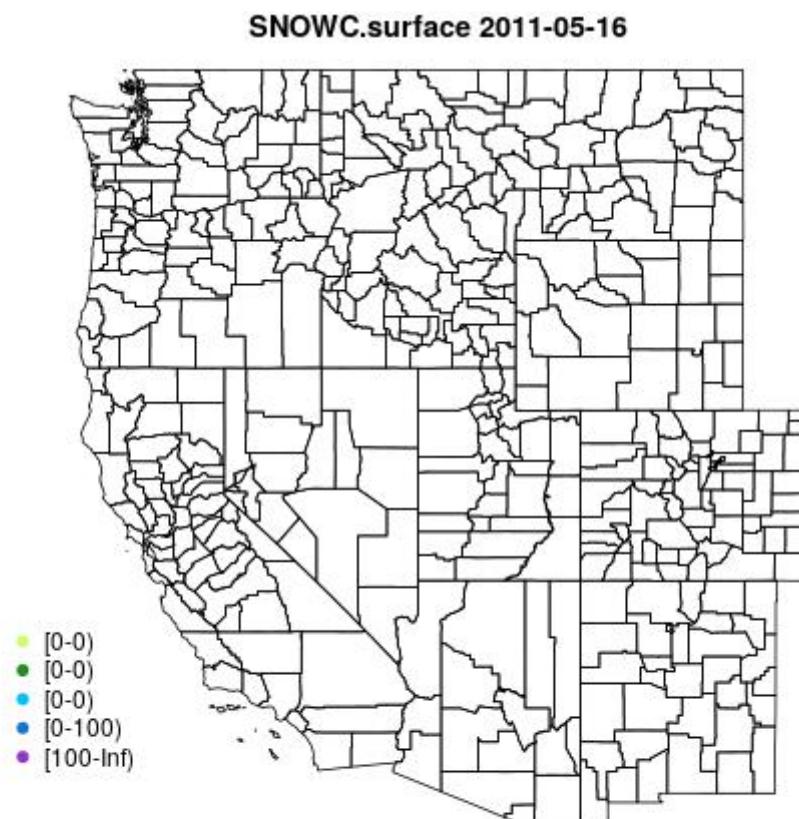


Figure 163: SNOWC.surface 2011-05-16

SNOWC.surface 2011-05-15

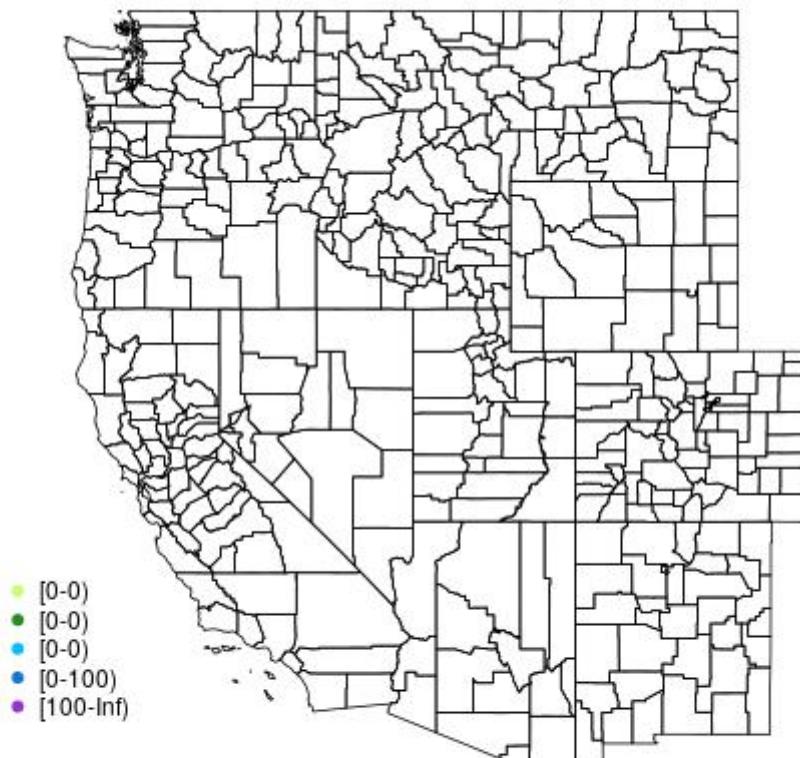


Figure 164: SNOWC.surface 2011-05-15

SNOWC.surface 2011-10-05

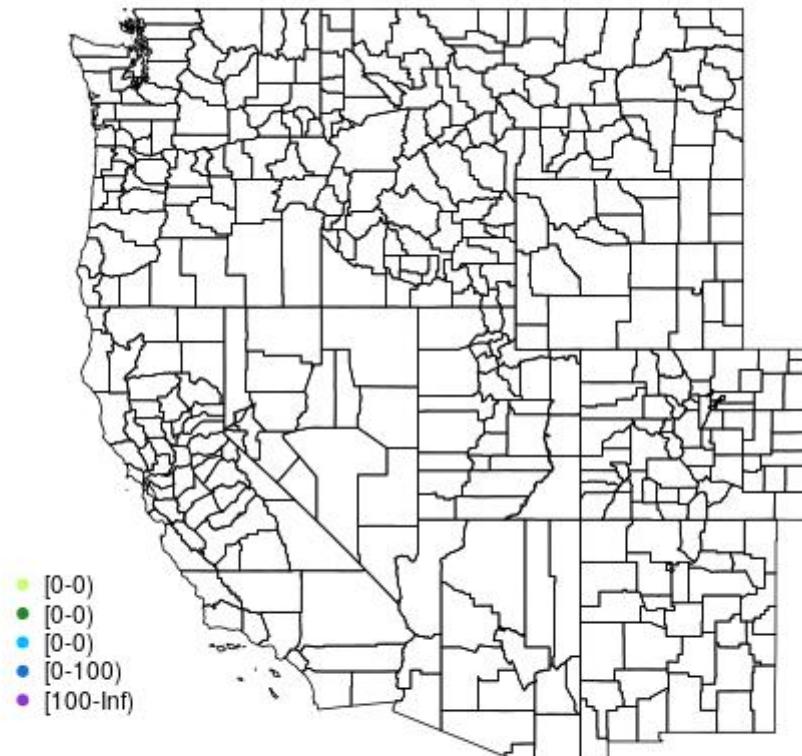


Figure 165: SNOWC.surface 2011-10-05

UGRD.10.m.above.ground 2012-09-18

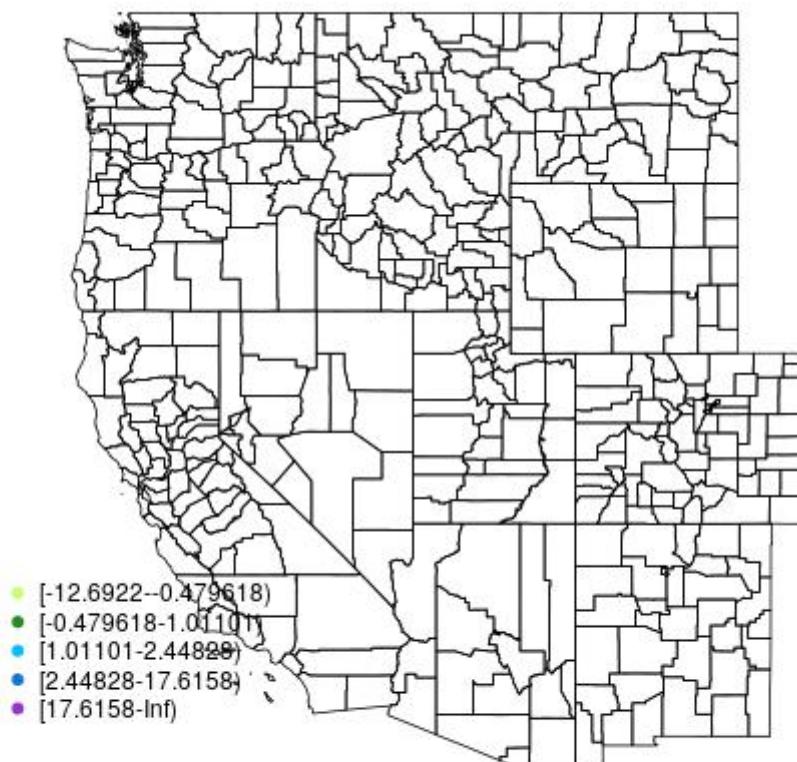


Figure 166: UGRD.10.m.above.ground 2012-09-18

UGRD.10.m.above.ground 2012-09-19

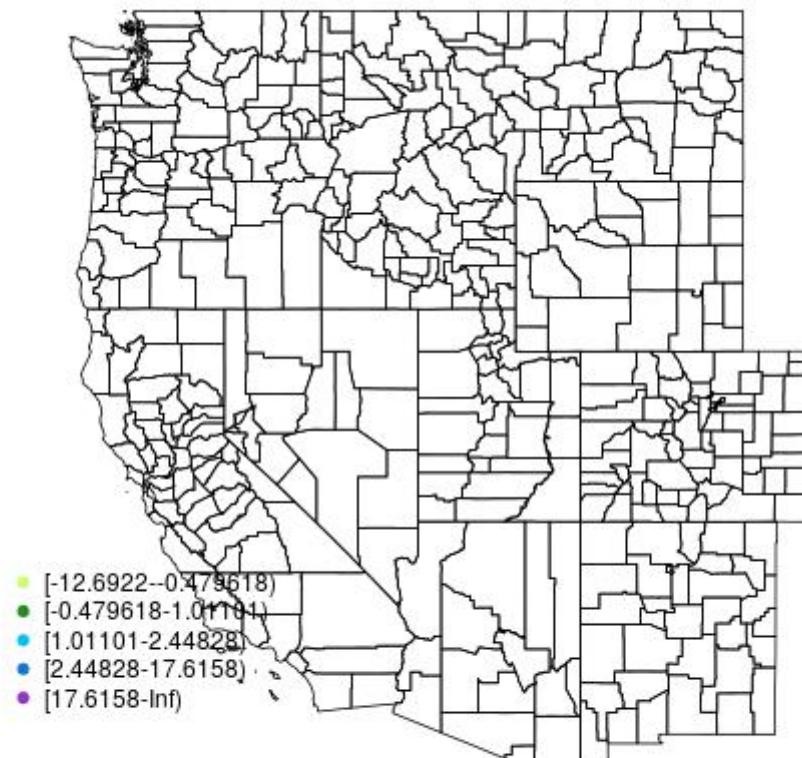


Figure 167: UGRD.10.m.above.ground 2012-09-19

UGRD.10.m.above.ground 2012-09-20

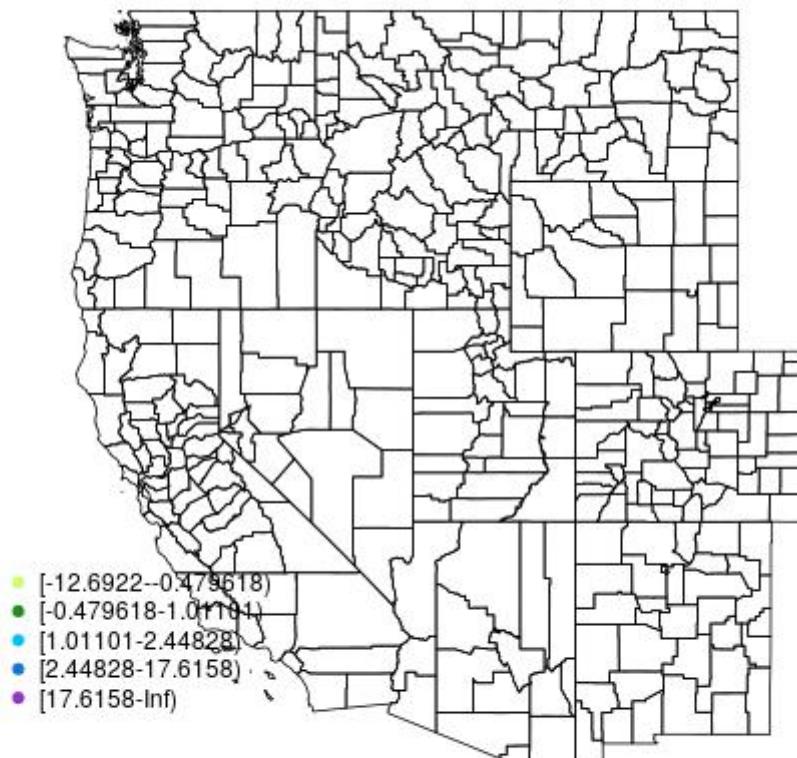


Figure 168: UGRD.10.m.above.ground 2012-09-20

UGRD.10.m.above.ground 2011-05-16

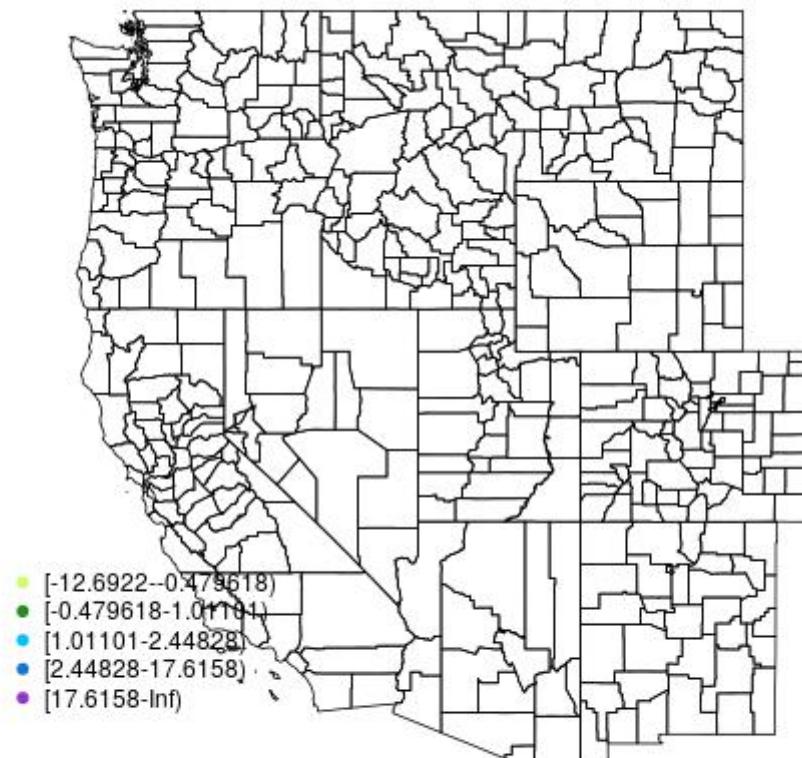


Figure 169: UGRD.10.m.above.ground 2011-05-16

UGRD.10.m.above.ground 2011-05-15

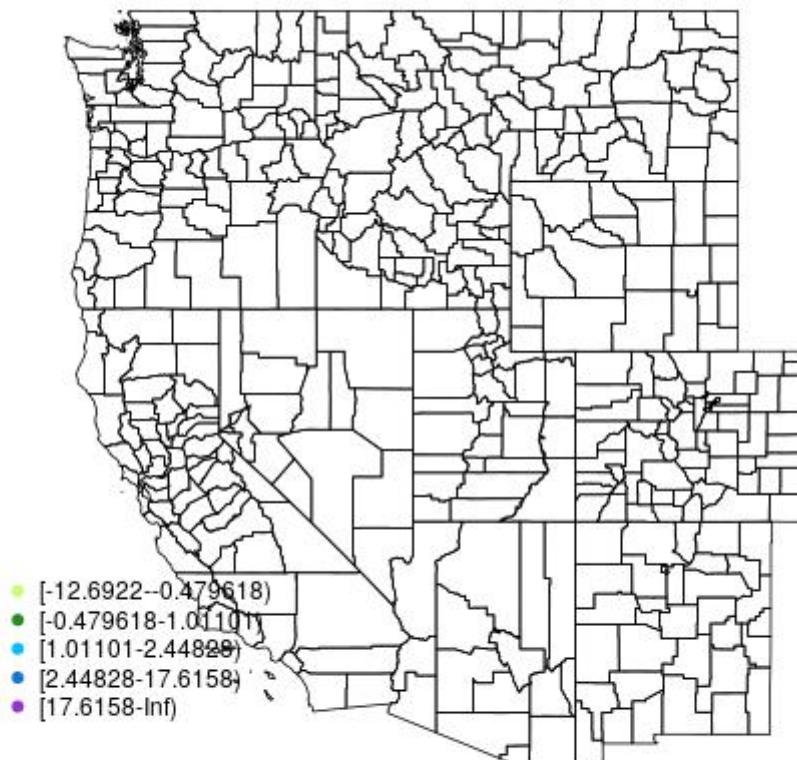


Figure 170: UGRD.10.m.above.ground 2011-05-15

UGRD.10.m.above.ground 2011-10-05

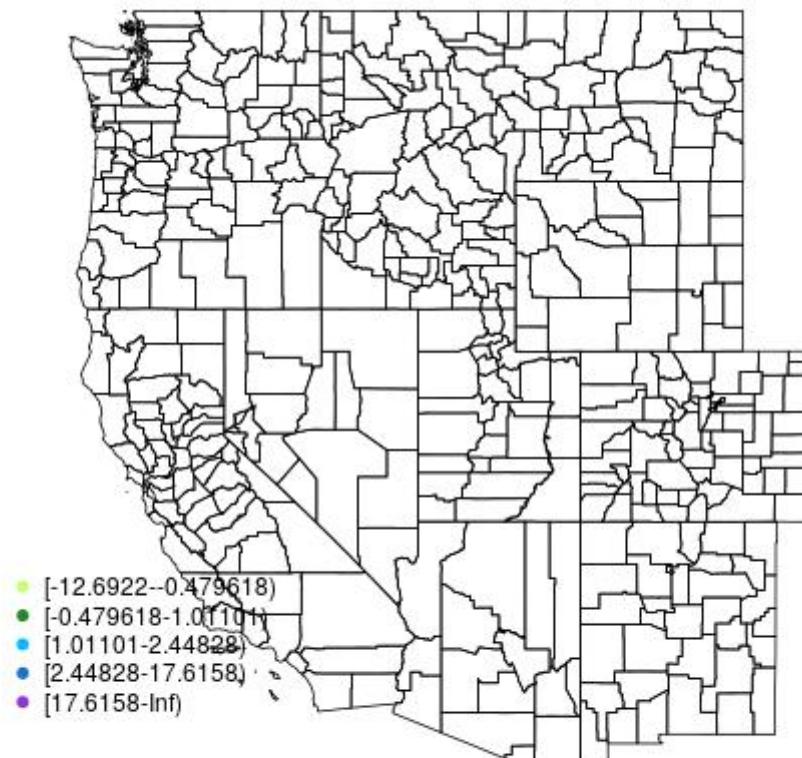


Figure 171: UGRD.10.m.above.ground 2011-10-05

VGRD.10.m.above.ground 2012-09-18

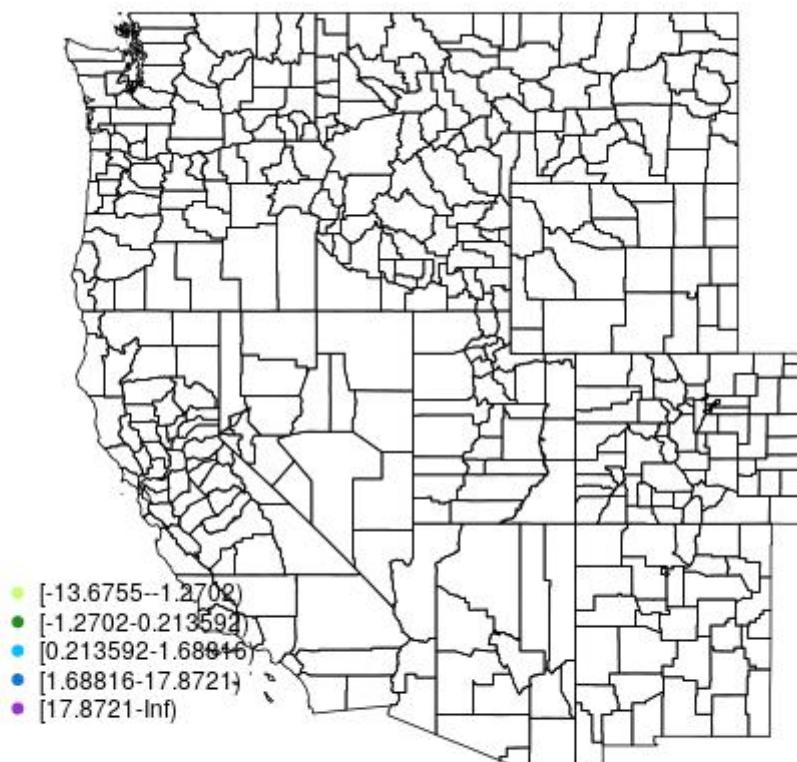


Figure 172: VGRD.10.m.above.ground 2012-09-18

VGRD.10.m.above.ground 2012-09-19

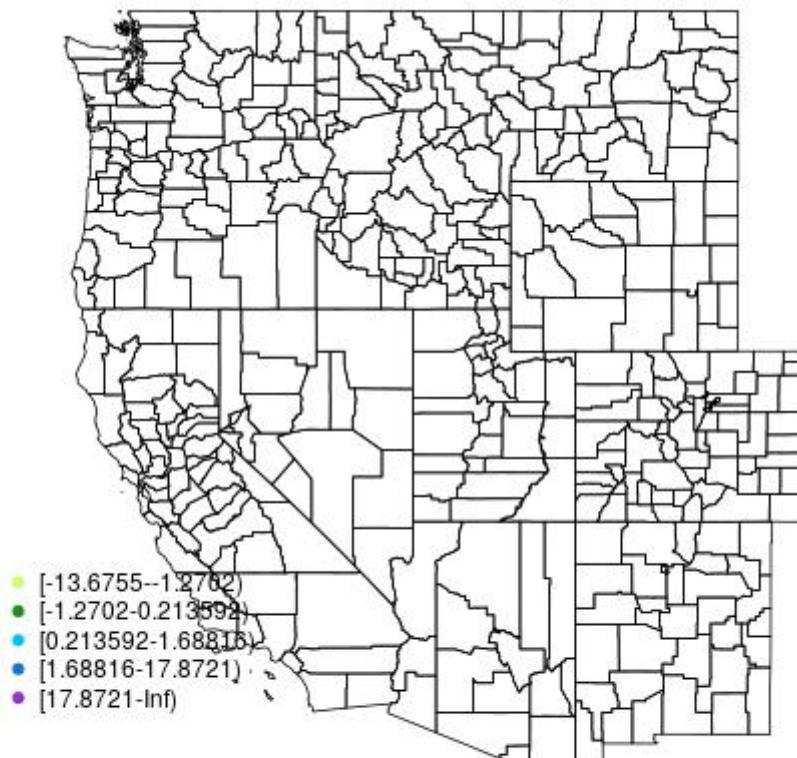


Figure 173: VGRD.10.m.above.ground 2012-09-19

VGRD.10.m.above.ground 2012-09-20

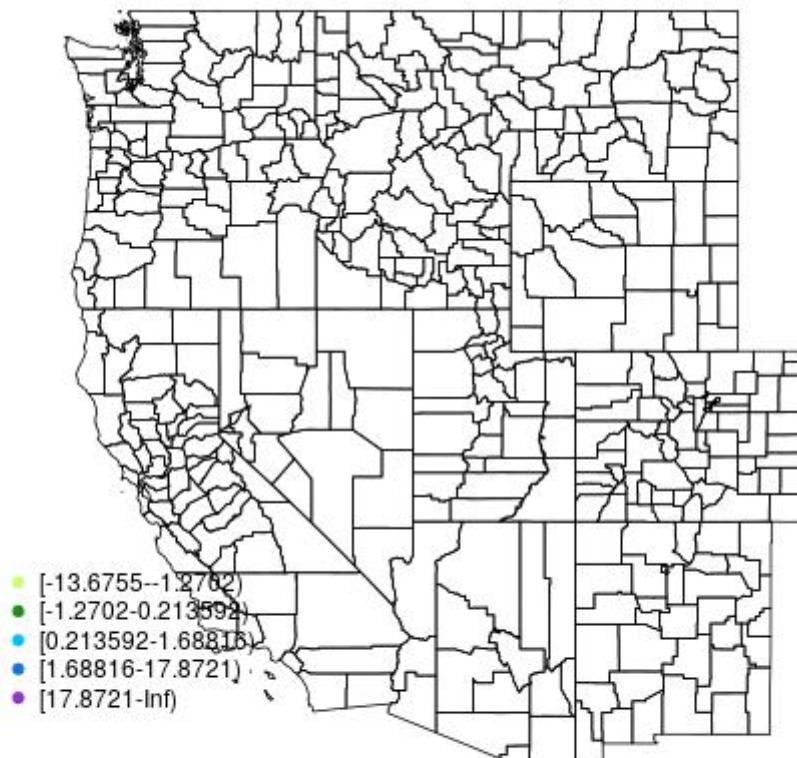


Figure 174: VGRD.10.m.above.ground 2012-09-20

VGRD.10.m.above.ground 2011-05-16

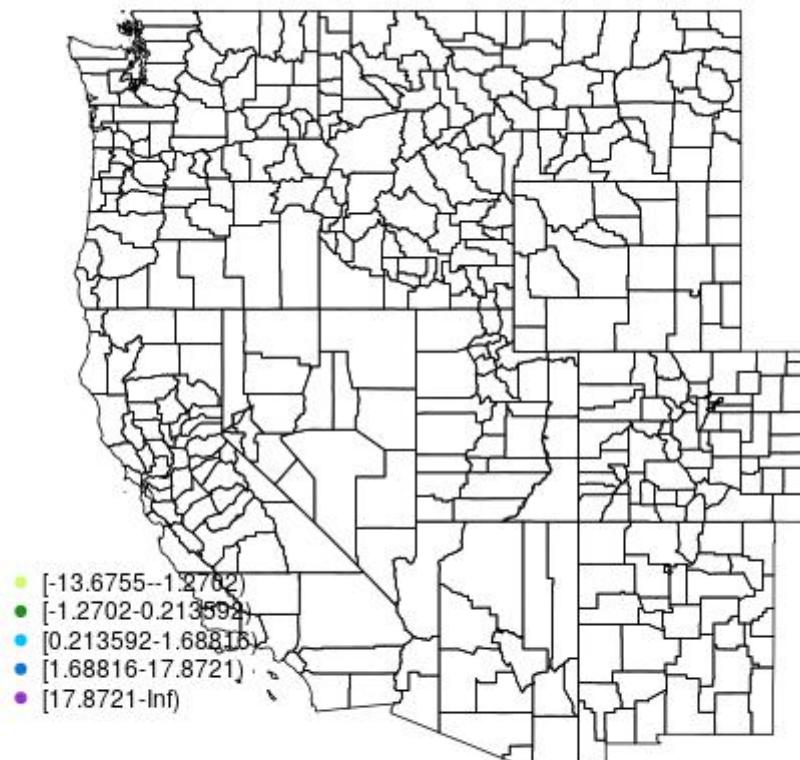


Figure 175: VGRD.10.m.above.ground 2011-05-16

VGRD.10.m.above.ground 2011-05-15

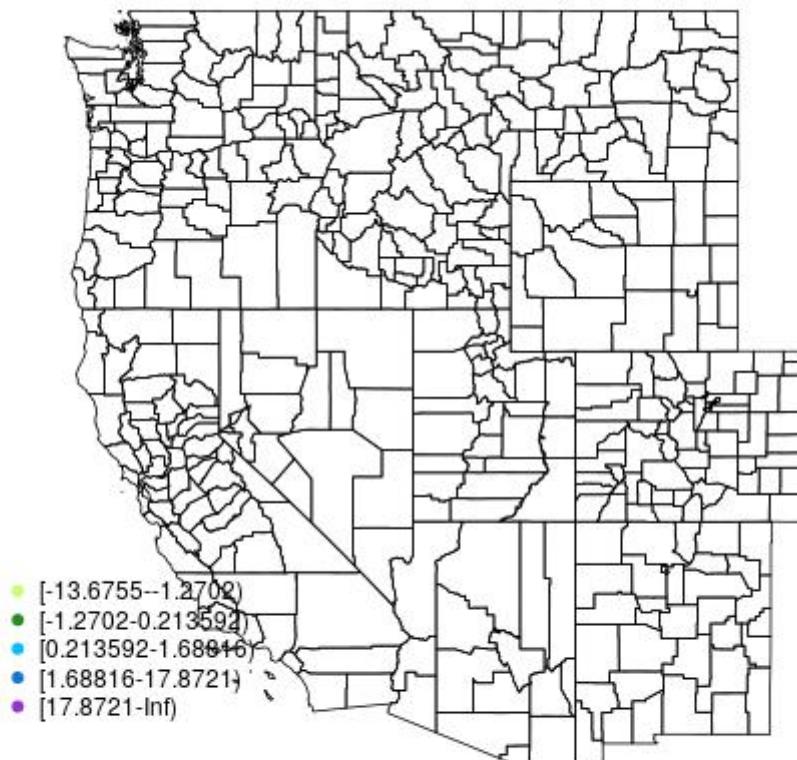


Figure 176: VGRD.10.m.above.ground 2011-05-15

VGRD.10.m.above.ground 2011-10-05

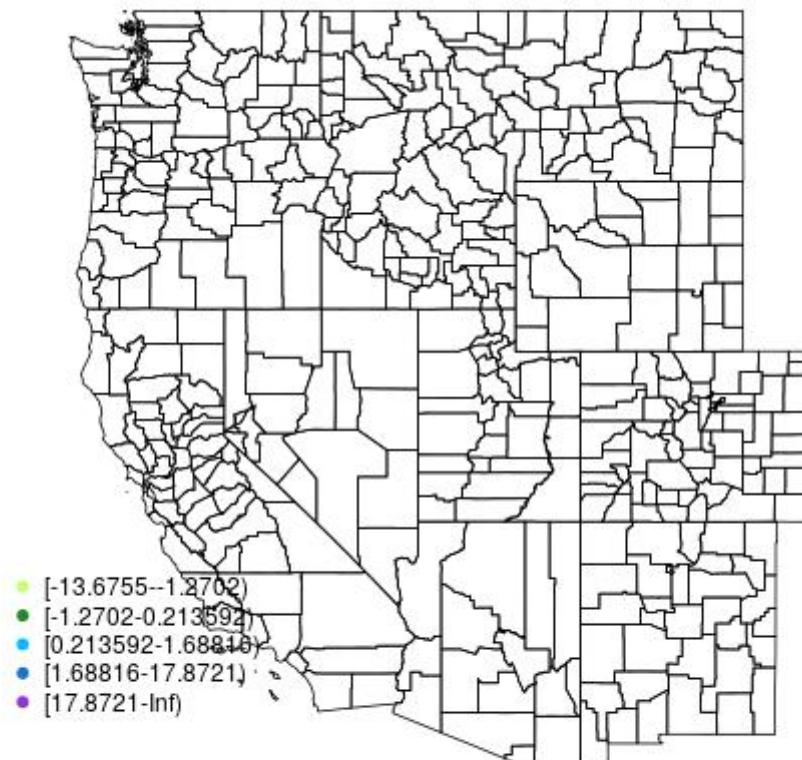


Figure 177: VGRD.10.m.above.ground 2011-10-05

PRMSL.mean.sea.level 2012-09-18

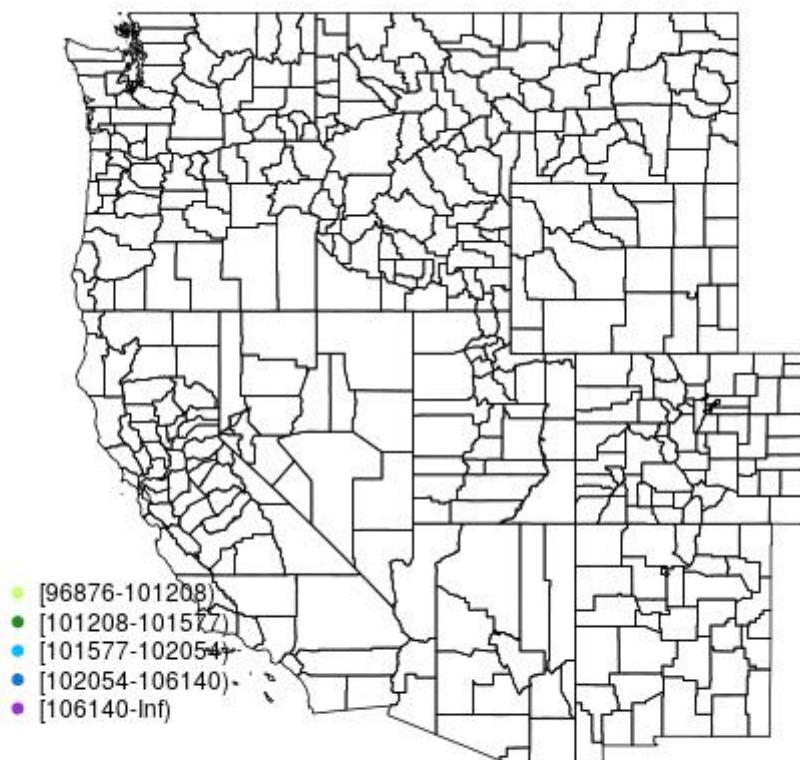


Figure 178: PRMSL.mean.sea.level 2012-09-18

PRMSL.mean.sea.level 2012-09-19

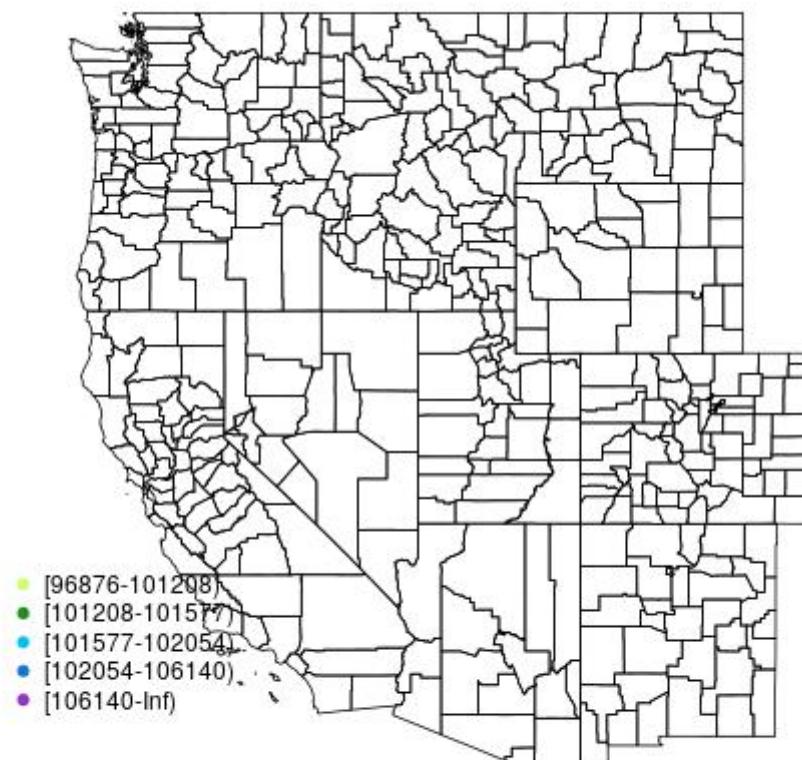


Figure 179: PRMSL.mean.sea.level 2012-09-19

PRMSL.mean.sea.level 2012-09-20

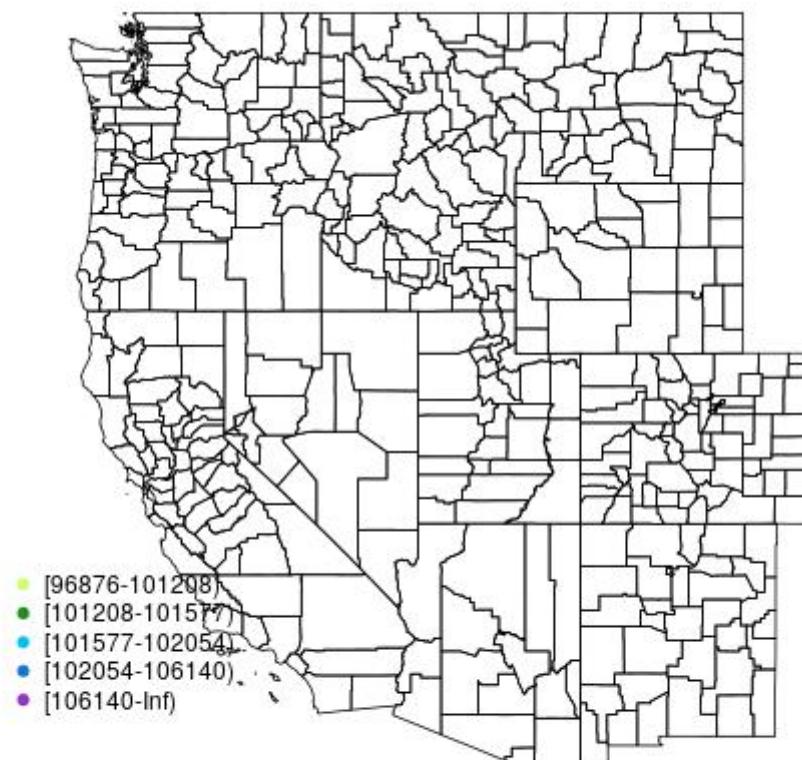


Figure 180: PRMSL.mean.sea.level 2012-09-20

PRMSL.mean.sea.level 2011-05-16

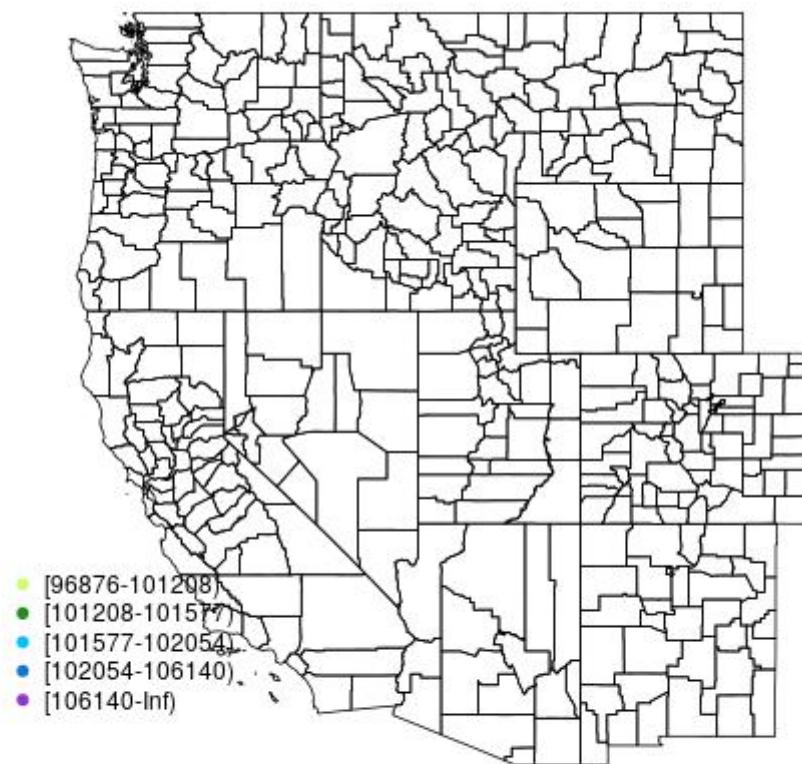


Figure 181: PRMSL.mean.sea.level 2011-05-16

PRMSL.mean.sea.level 2011-05-15

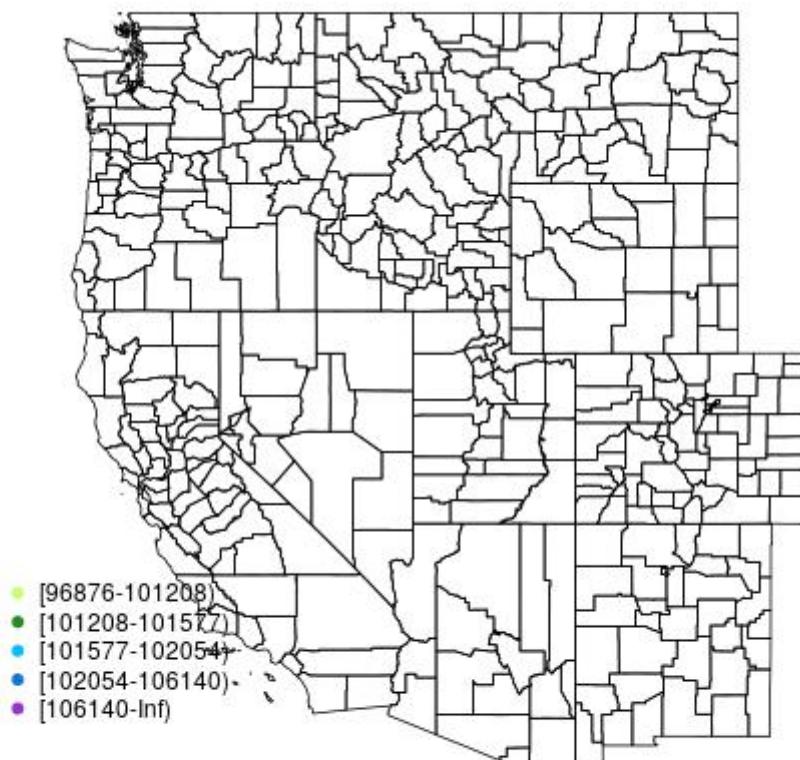


Figure 182: PRMSL.mean.sea.level 2011-05-15

PRMSL.mean.sea.level 2011-10-05

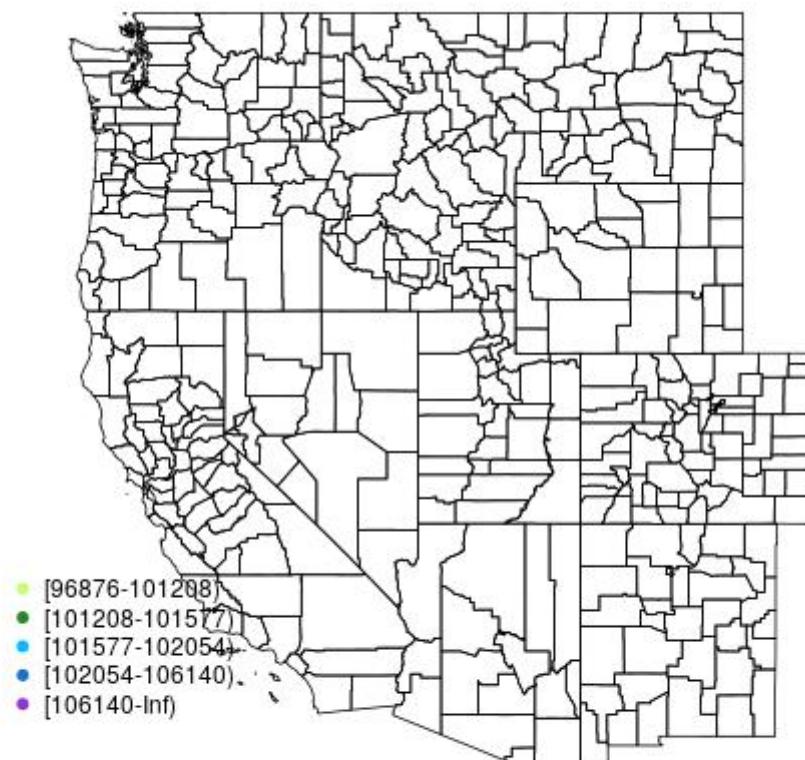


Figure 183: PRMSL.mean.sea.level 2011-10-05

PRES.surface 2012-09-18

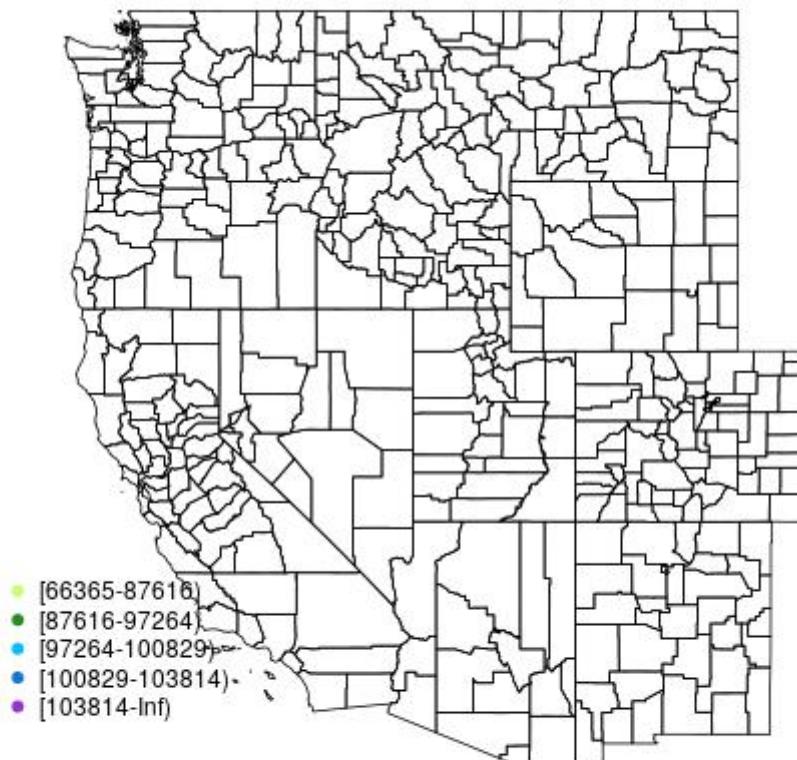


Figure 184: PRES.surface 2012-09-18

PRES.surface 2012-09-19

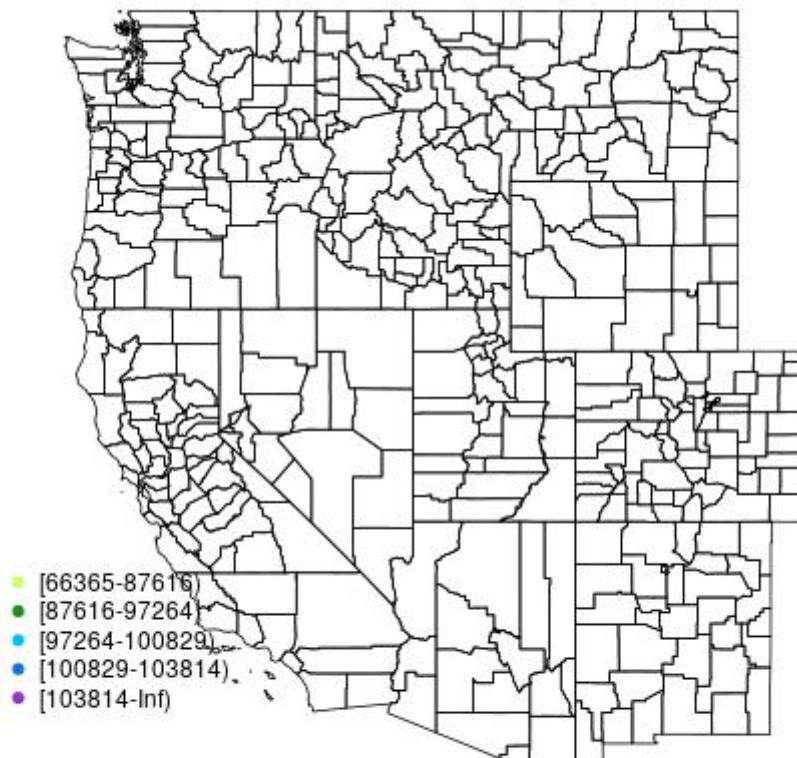


Figure 185: PRES.surface 2012-09-19

PRES.surface 2012-09-20

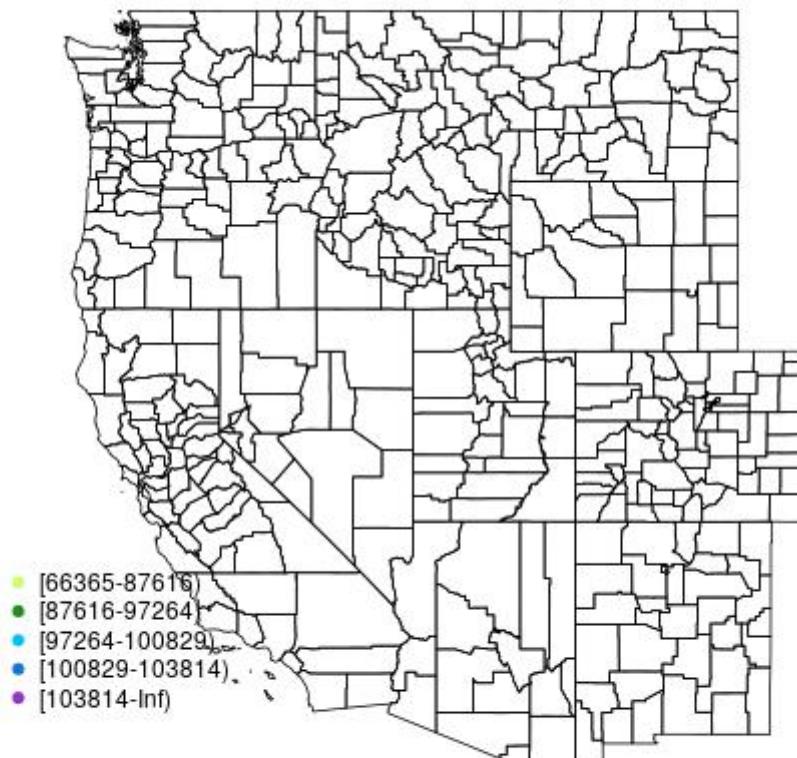


Figure 186: PRES.surface 2012-09-20

PRES.surface 2011-05-16

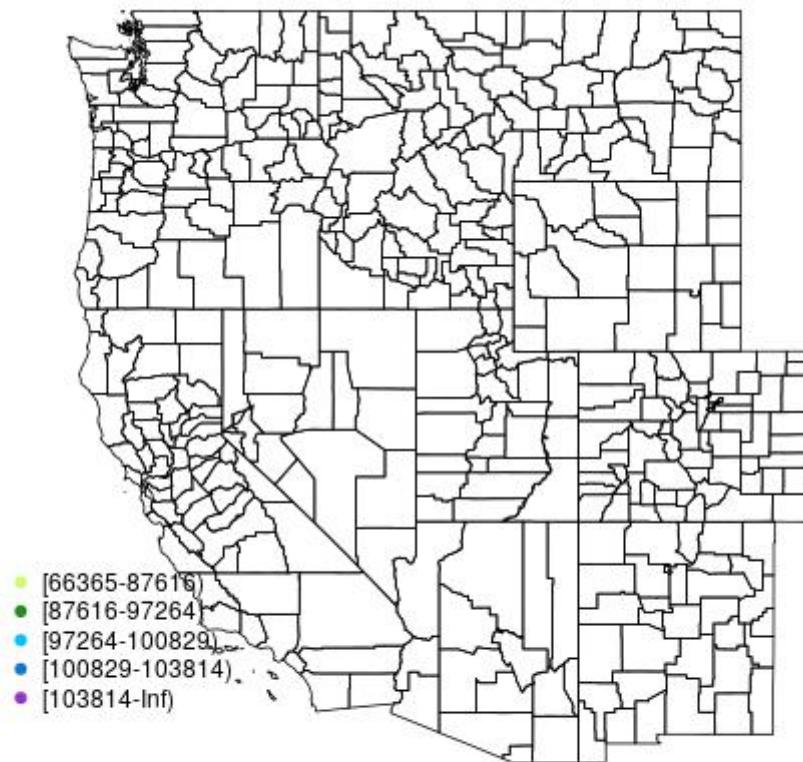


Figure 187: PRES.surface 2011-05-16

PRES.surface 2011-05-15

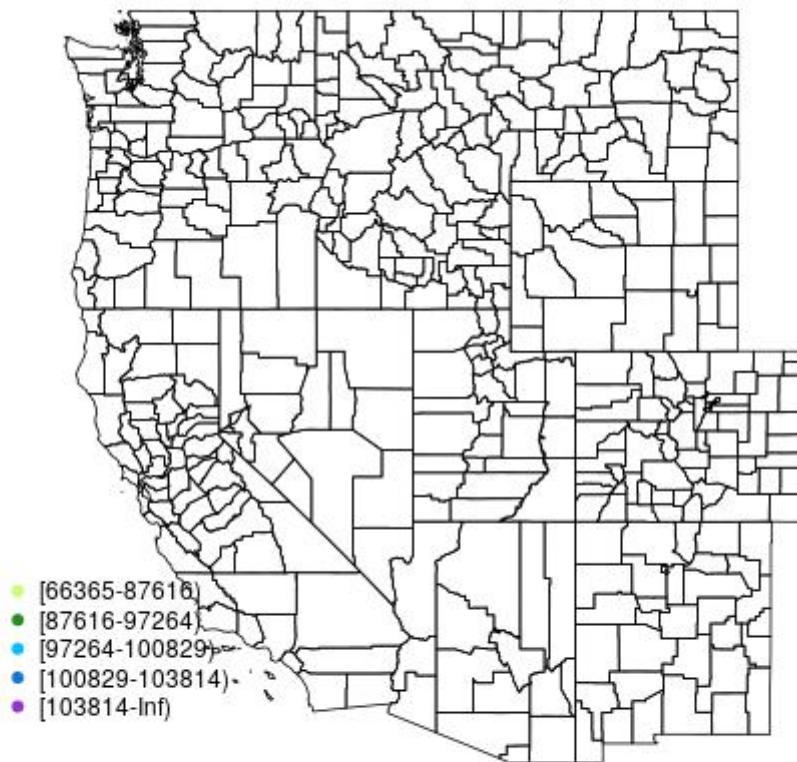


Figure 188: PRES.surface 2011-05-15

PRES.surface 2011-10-05

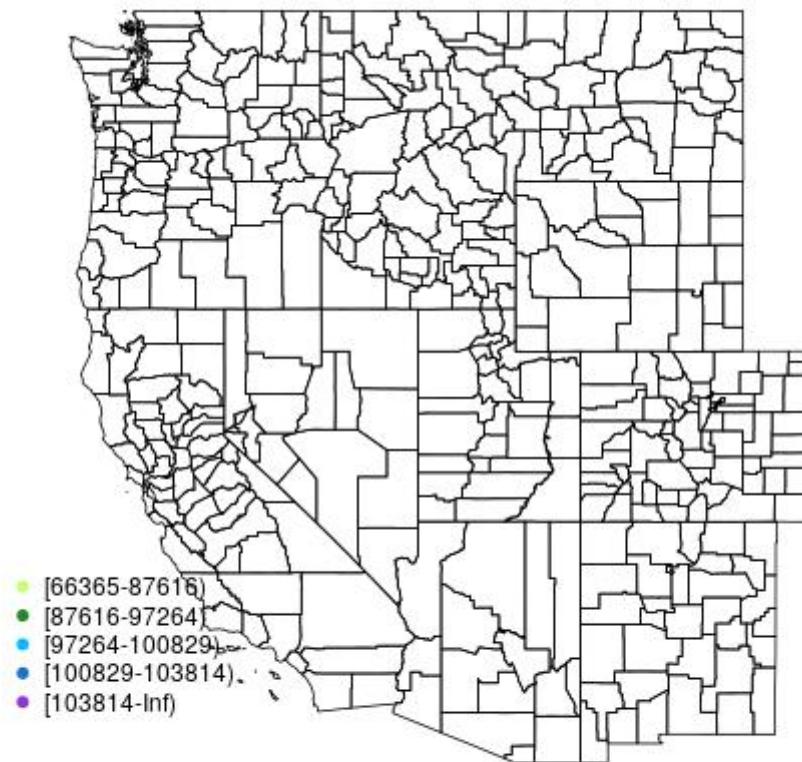


Figure 189: PRES.surface 2011-10-05

DZDT.850.mb 2012-09-18

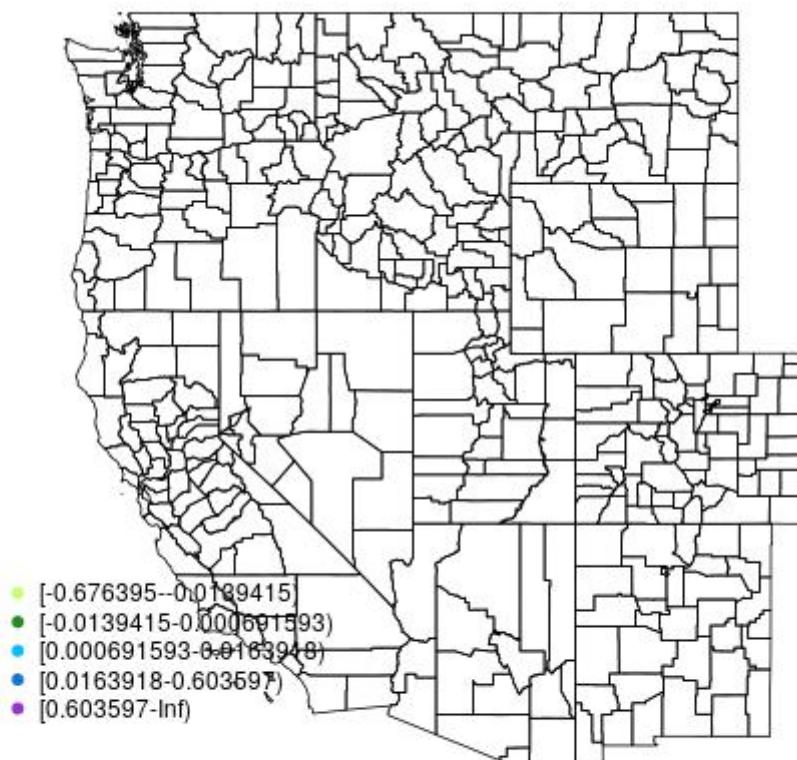


Figure 190: DZDT.850.mb 2012-09-18

DZDT.850.mb 2012-09-19

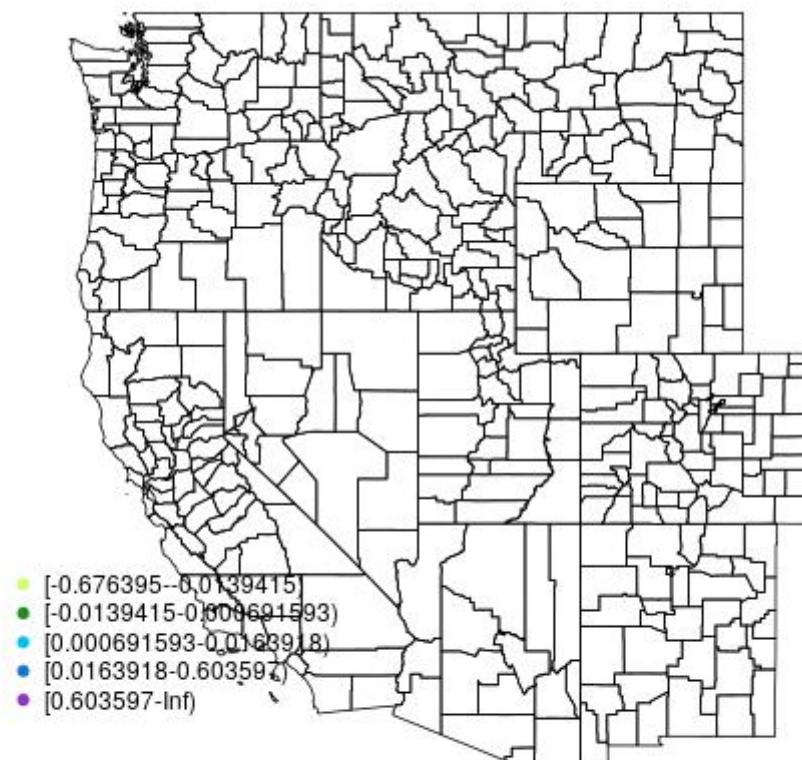


Figure 191: DZDT.850.mb 2012-09-19

DZDT.850.mb 2012-09-20

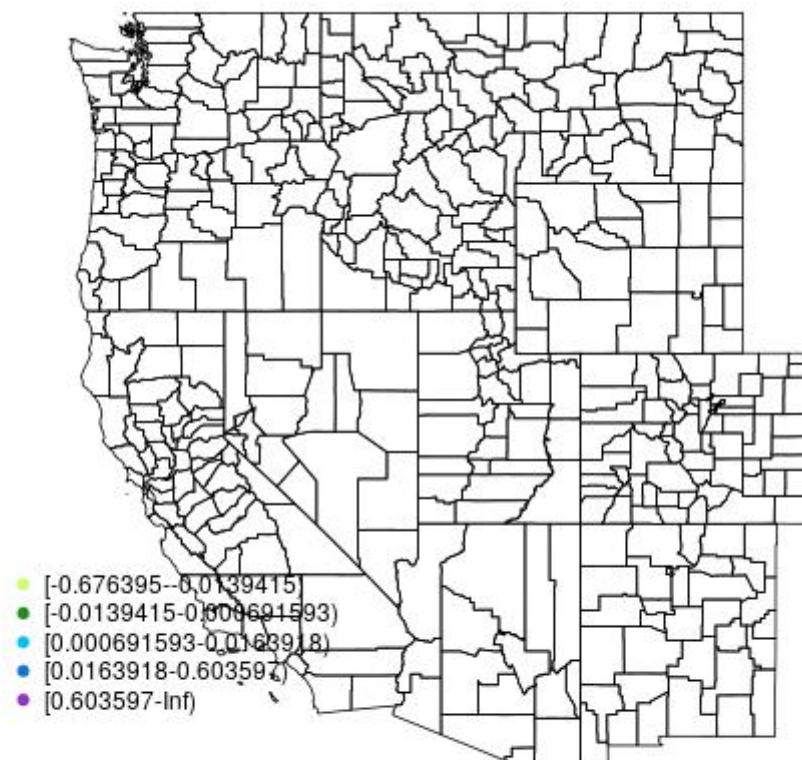


Figure 192: DZDT.850.mb 2012-09-20

DZDT.850.mb 2011-05-16

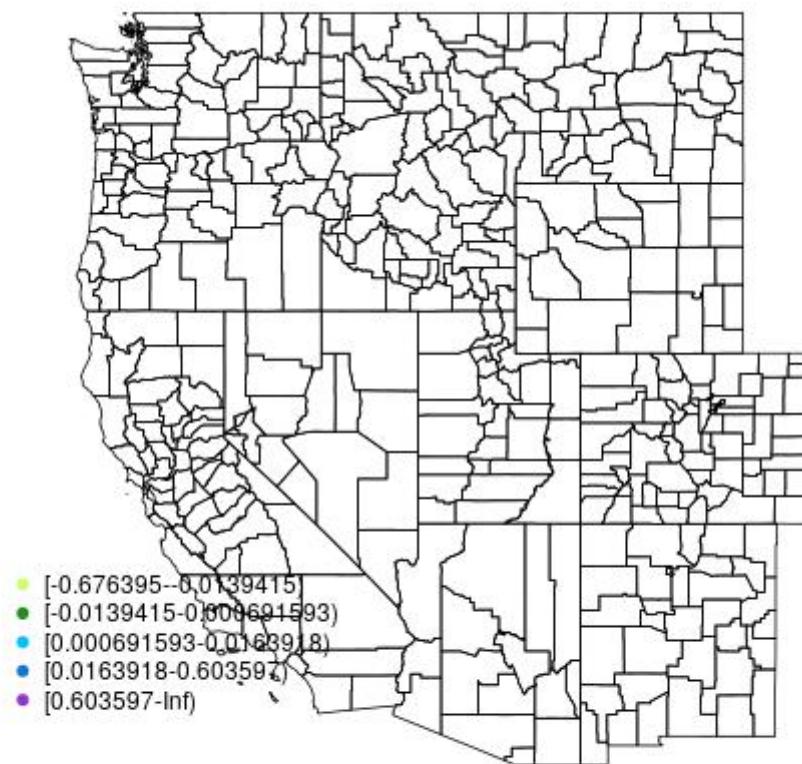


Figure 193: DZDT.850.mb 2011-05-16

DZDT.850.mb 2011-05-15

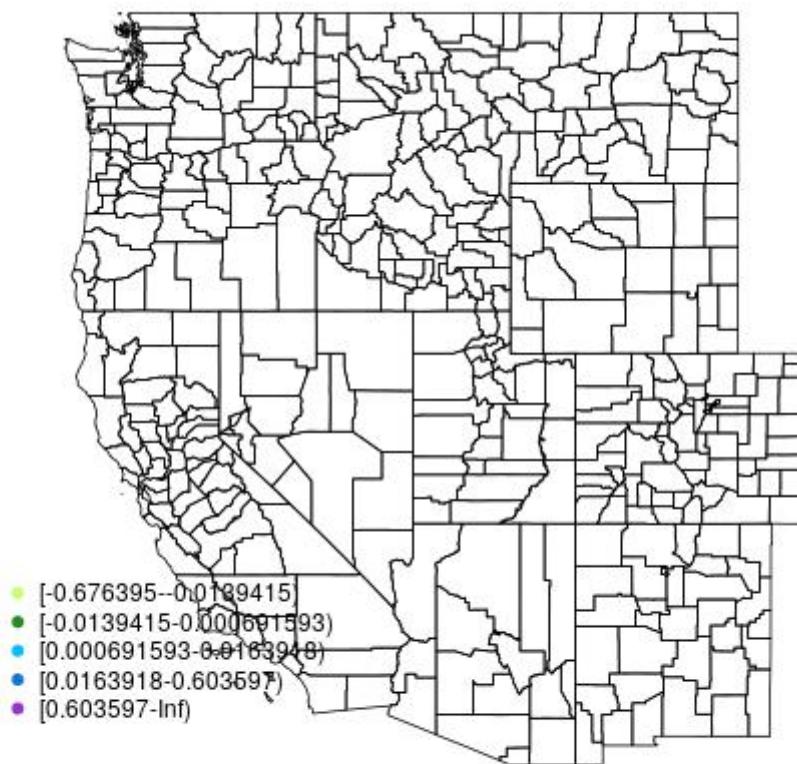


Figure 194: DZDT.850.mb 2011-05-15

DZDT.850.mb 2011-10-05

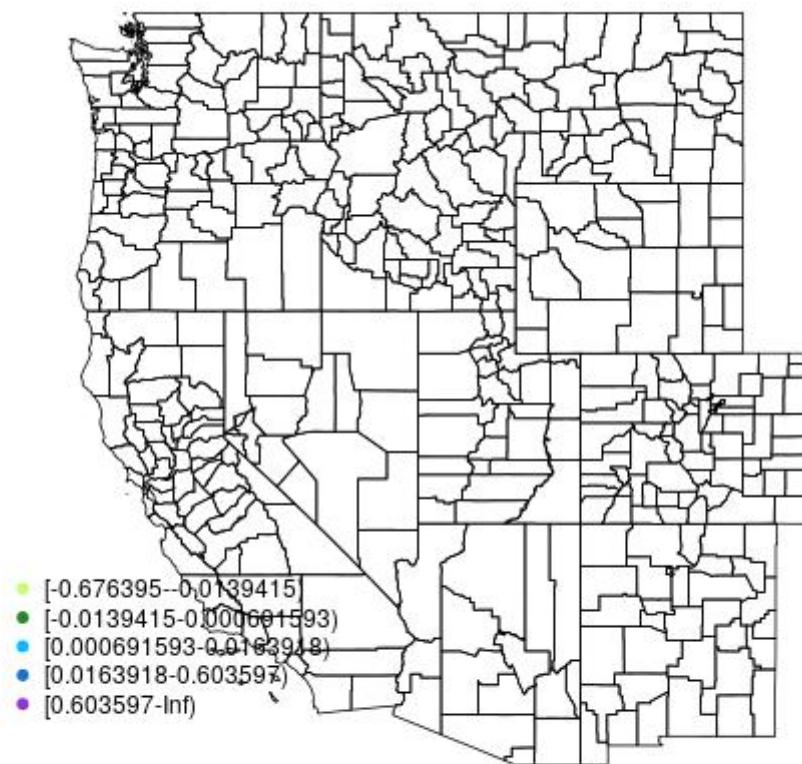


Figure 195: DZDT.850.mb 2011-10-05

DZDT.700.mb 2012-09-18

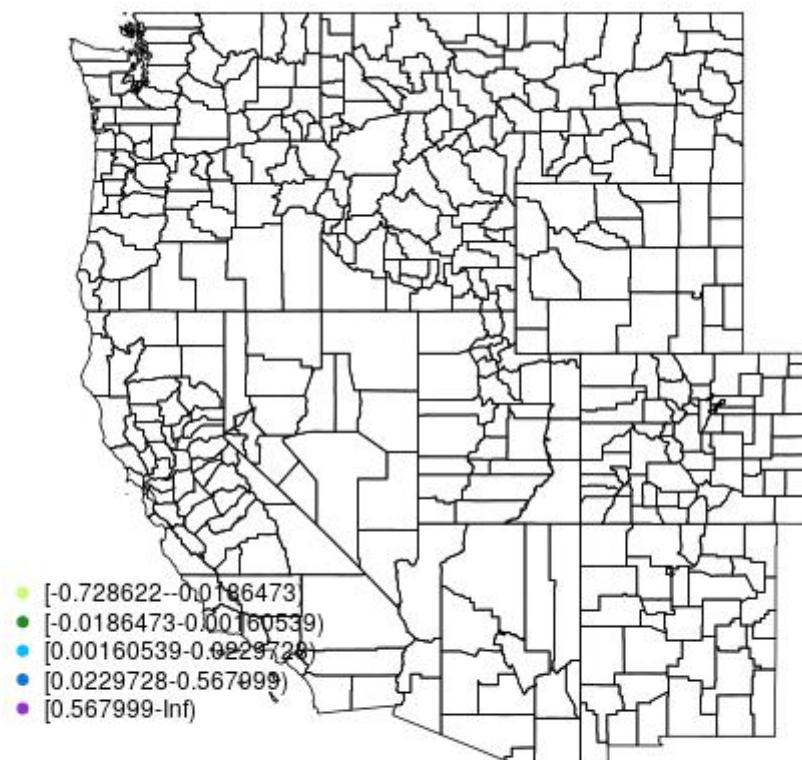


Figure 196: DZDT.700.mb 2012-09-18

DZDT.700.mb 2012-09-19

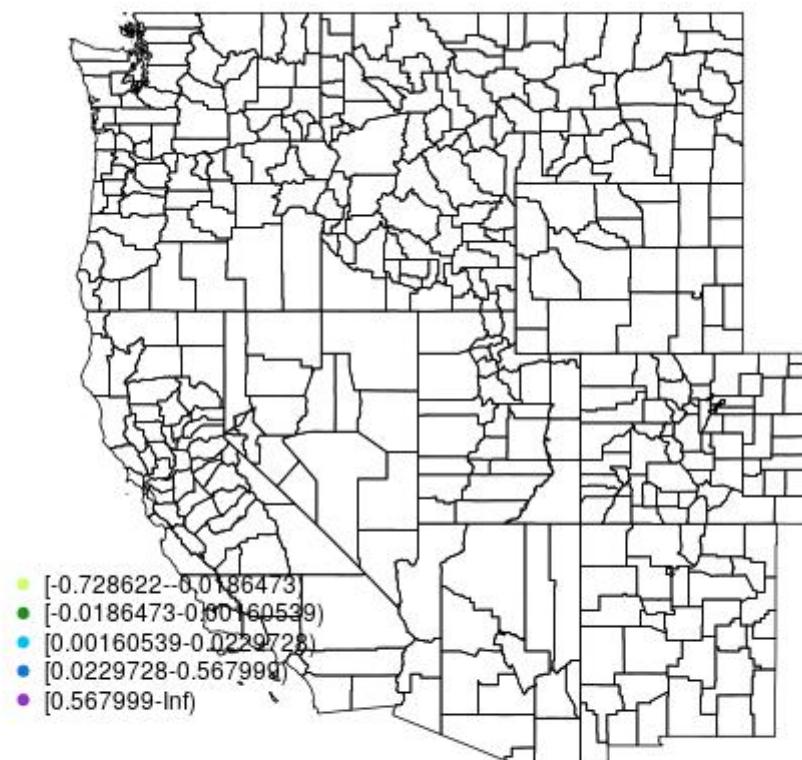


Figure 197: DZDT.700.mb 2012-09-19

DZDT.700.mb 2012-09-20

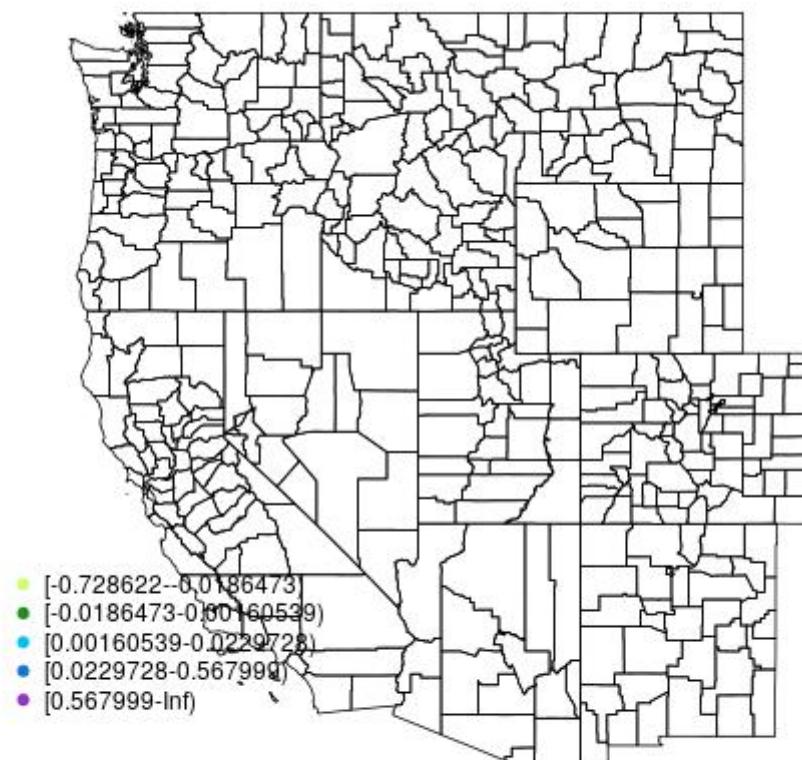


Figure 198: DZDT.700.mb 2012-09-20

DZDT.700.mb 2011-05-16

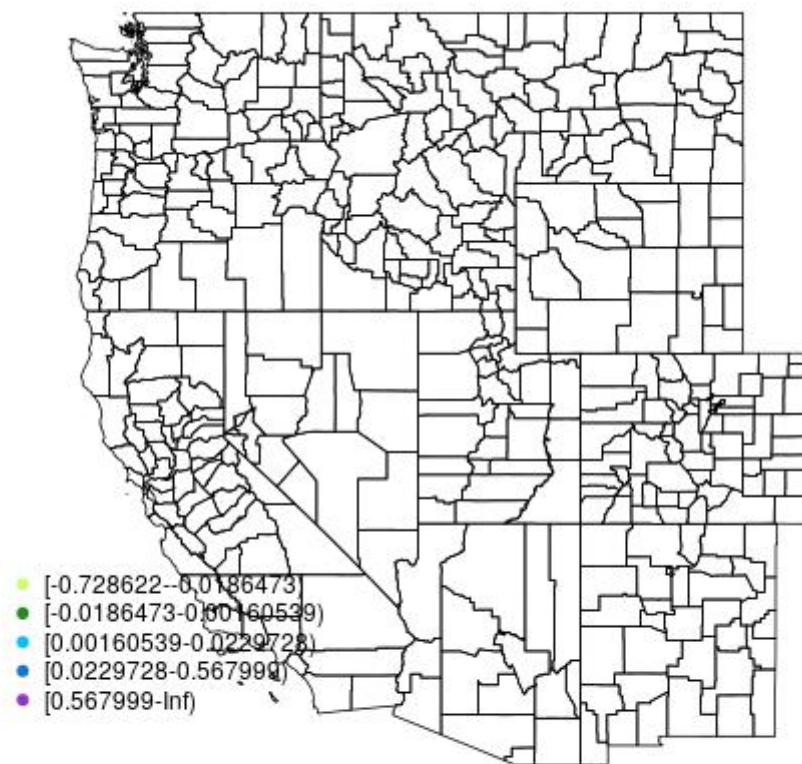


Figure 199: DZDT.700.mb 2011-05-16

DZDT.700.mb 2011-05-15

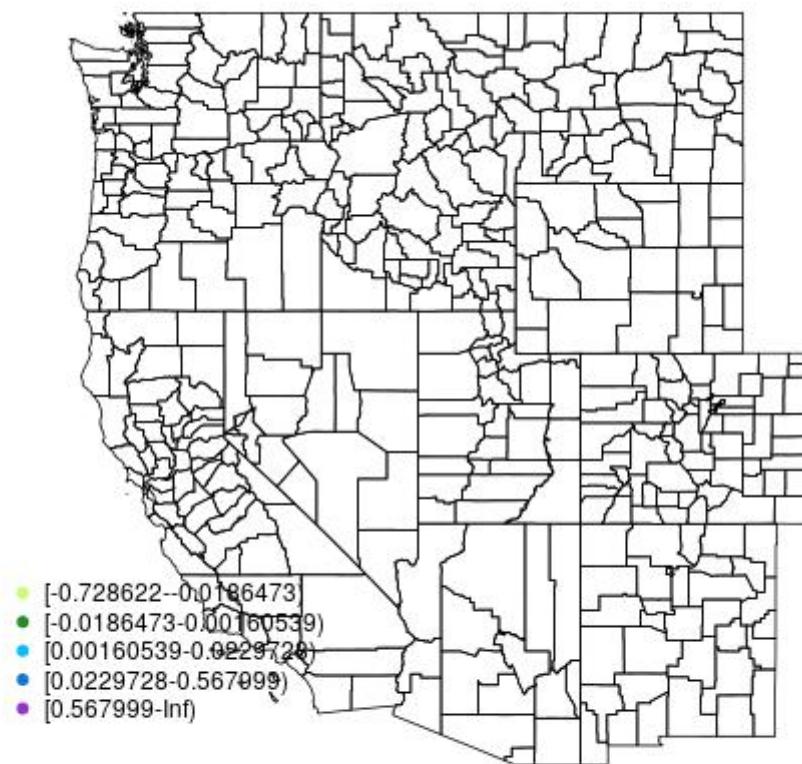


Figure 200: DZDT.700(mb) 2011-05-15

DZDT.700.mb 2011-10-05

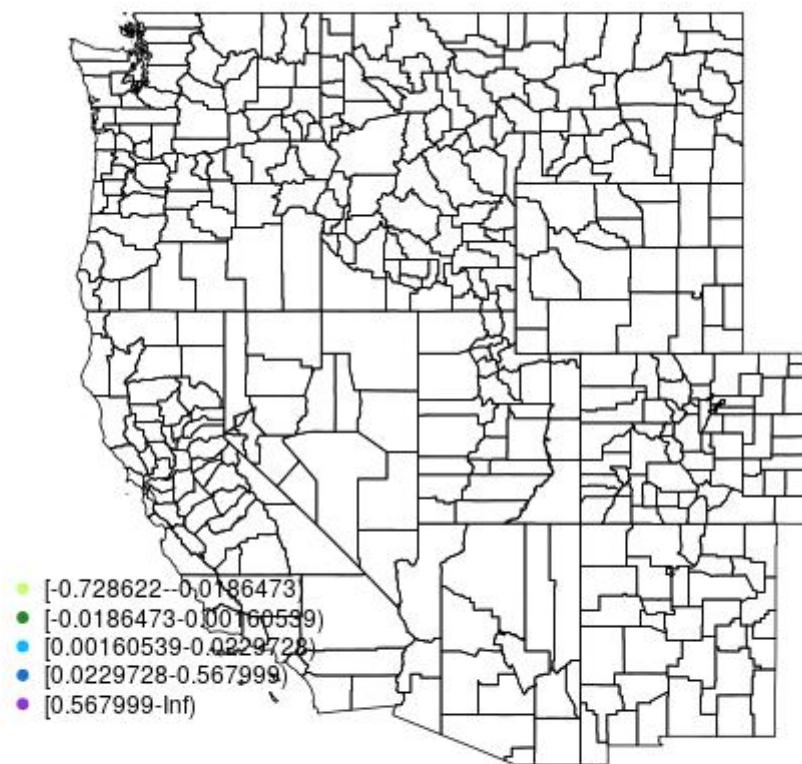


Figure 201: DZDT.700(mb) 2011-10-05

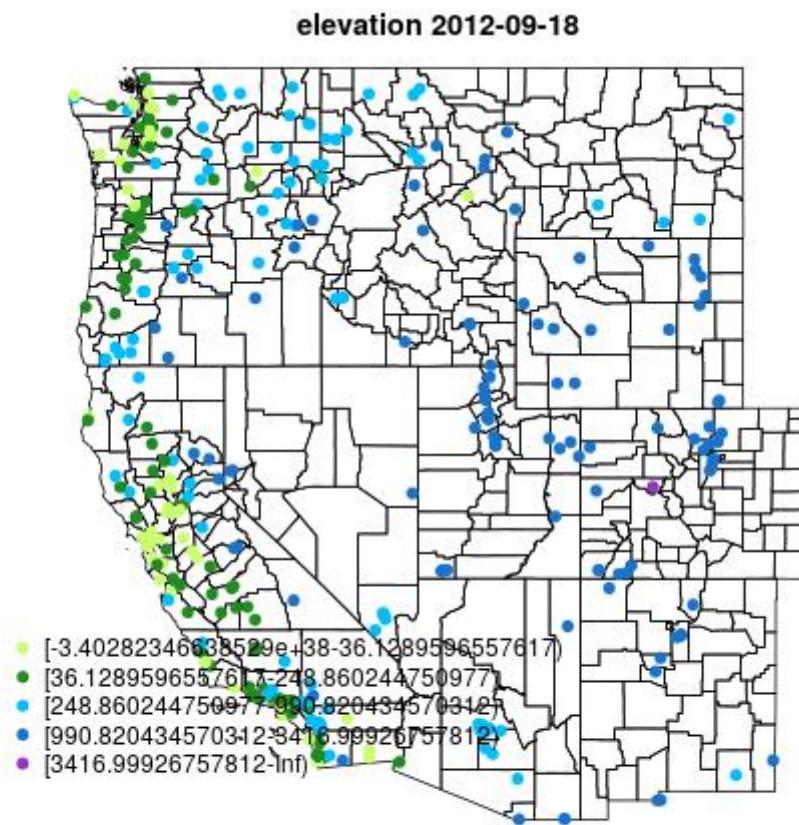


Figure 202: elevation 2012-09-18

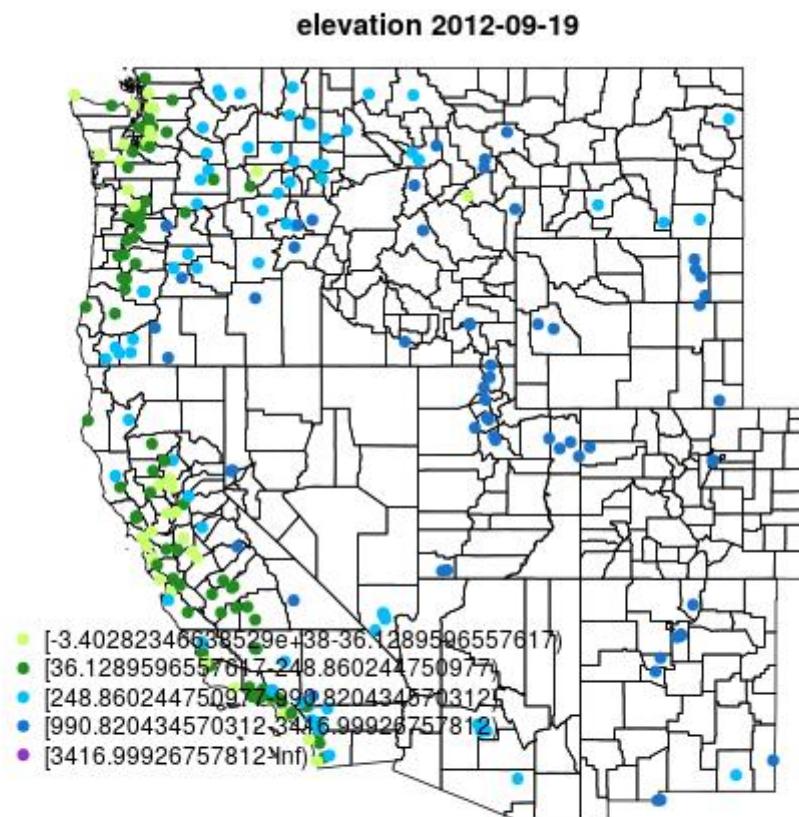


Figure 203: elevation 2012-09-19

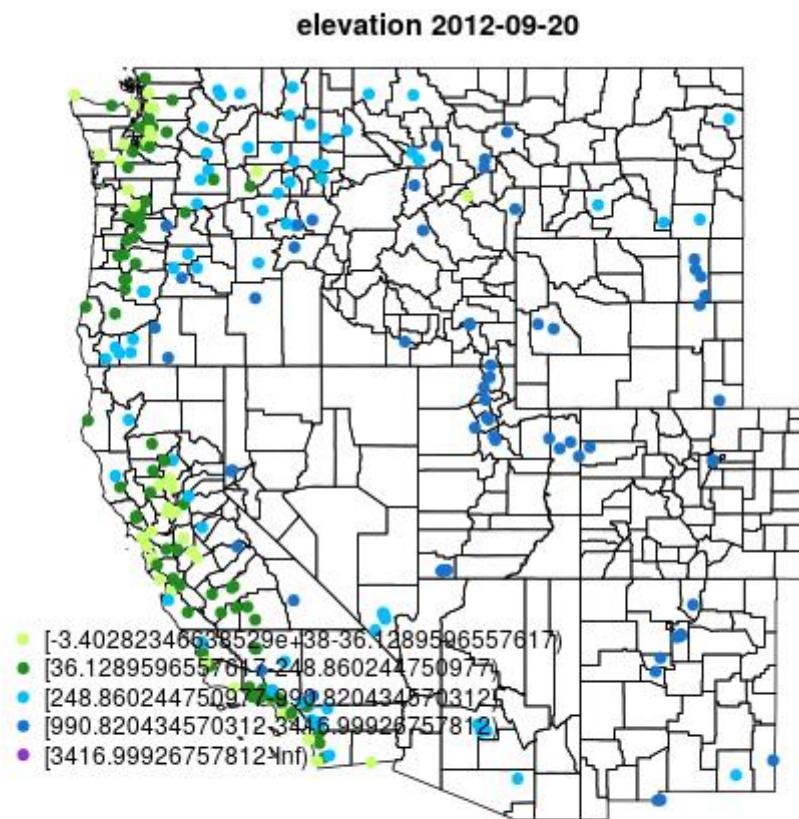


Figure 204: elevation 2012-09-20

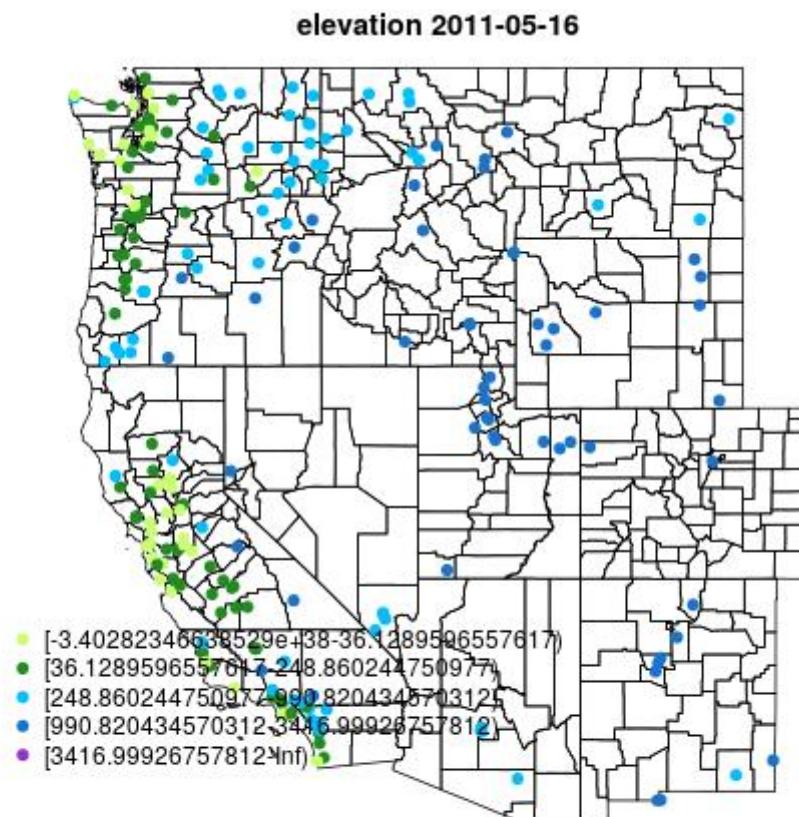


Figure 205: elevation 2011-05-16

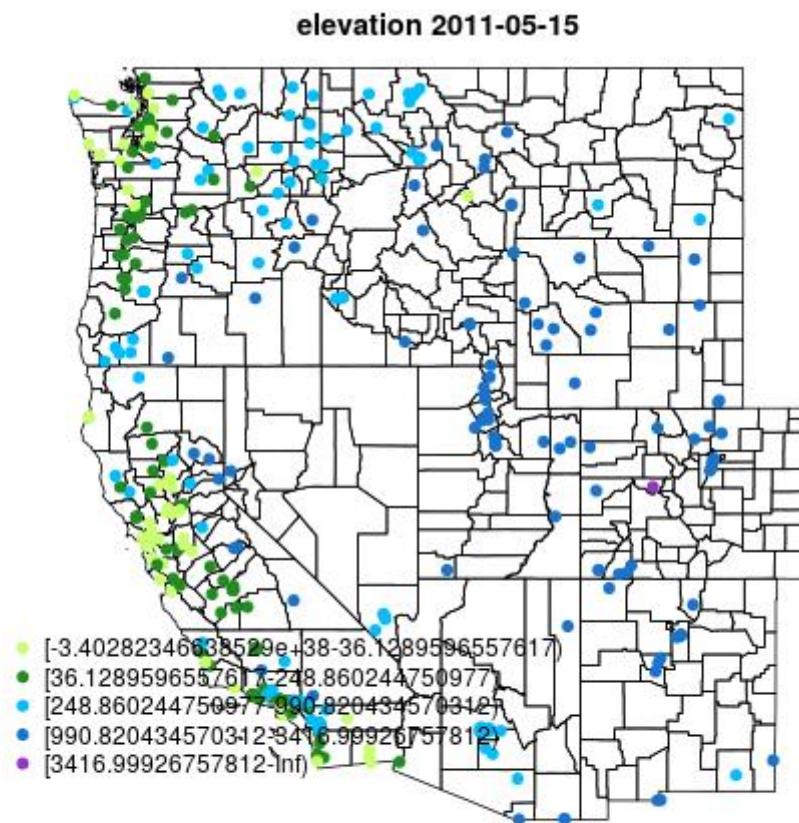


Figure 206: elevation 2011-05-15

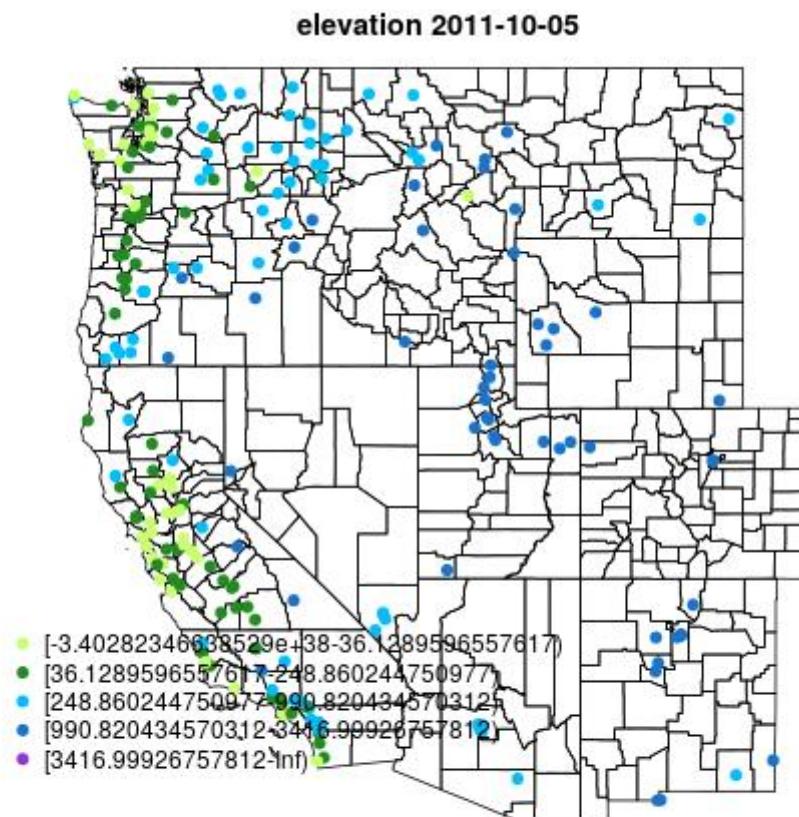


Figure 207: elevation 2011-10-05

NLCD 2012-09-18

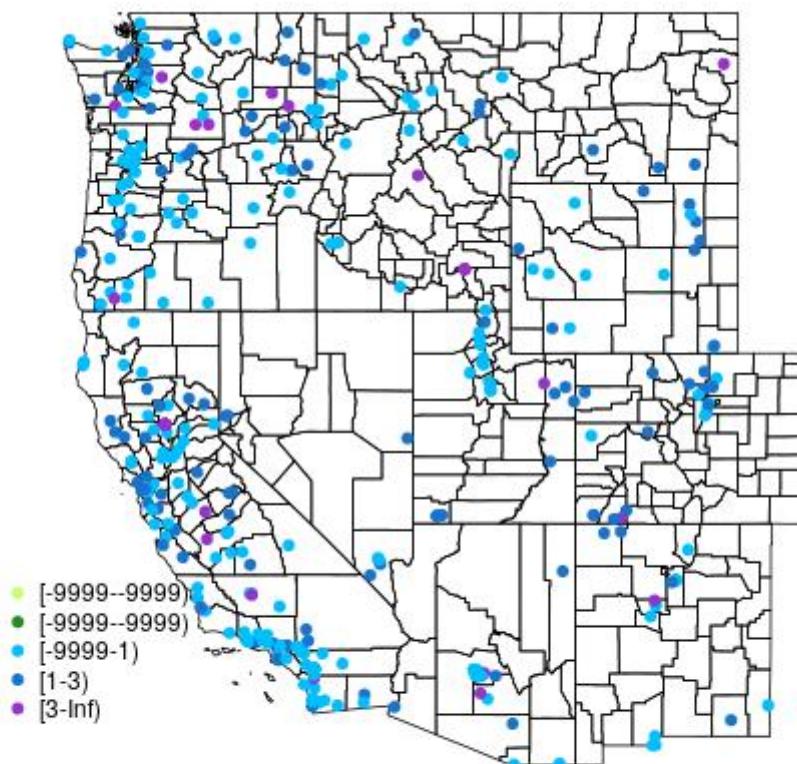


Figure 208: NLCD 2012-09-18

NLCD 2012-09-19

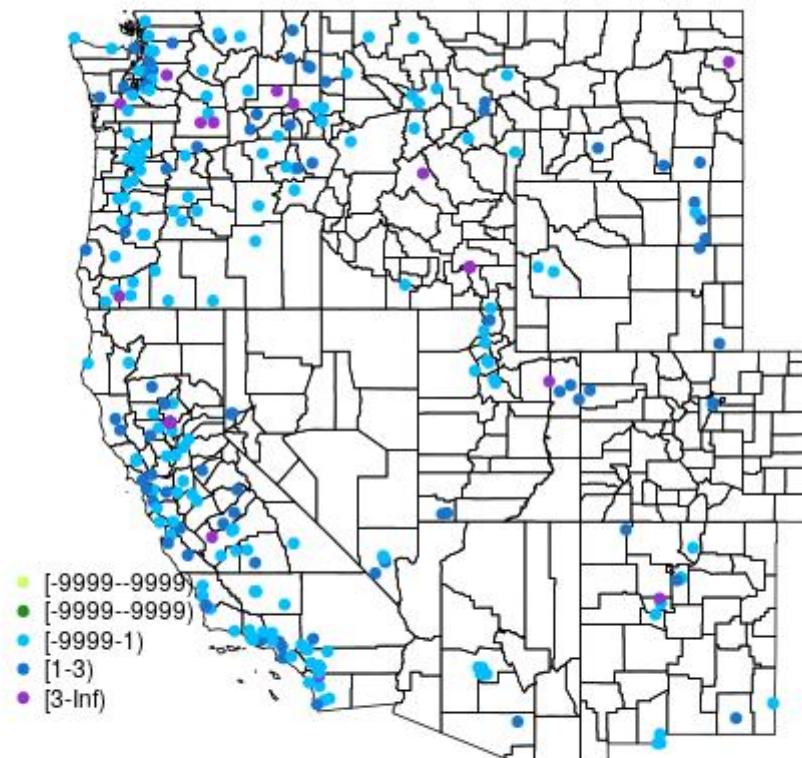


Figure 209: NLCD 2012-09-19

NLCD 2012-09-20

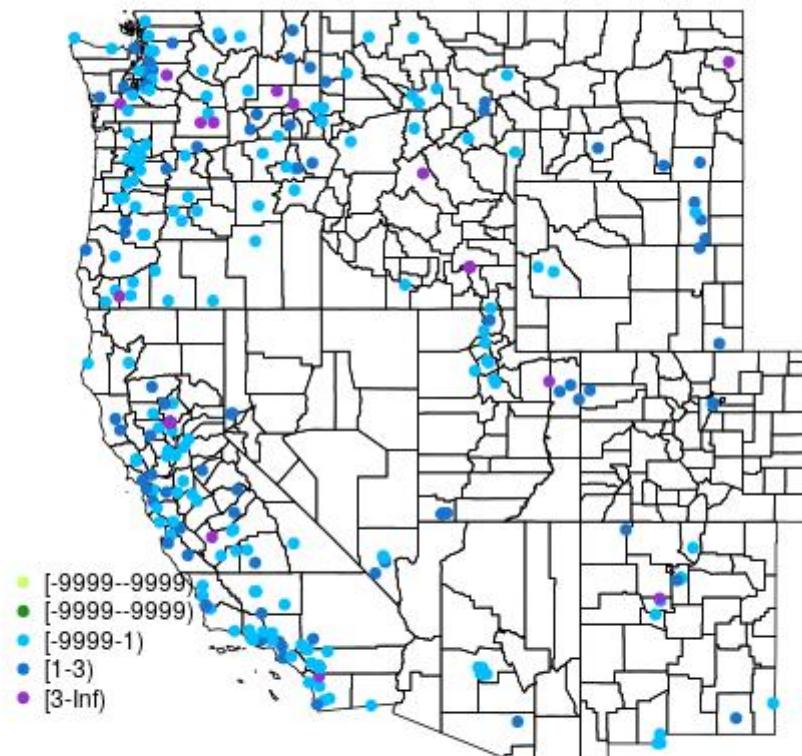


Figure 210: NLCD 2012-09-20

NLCD 2011-05-16

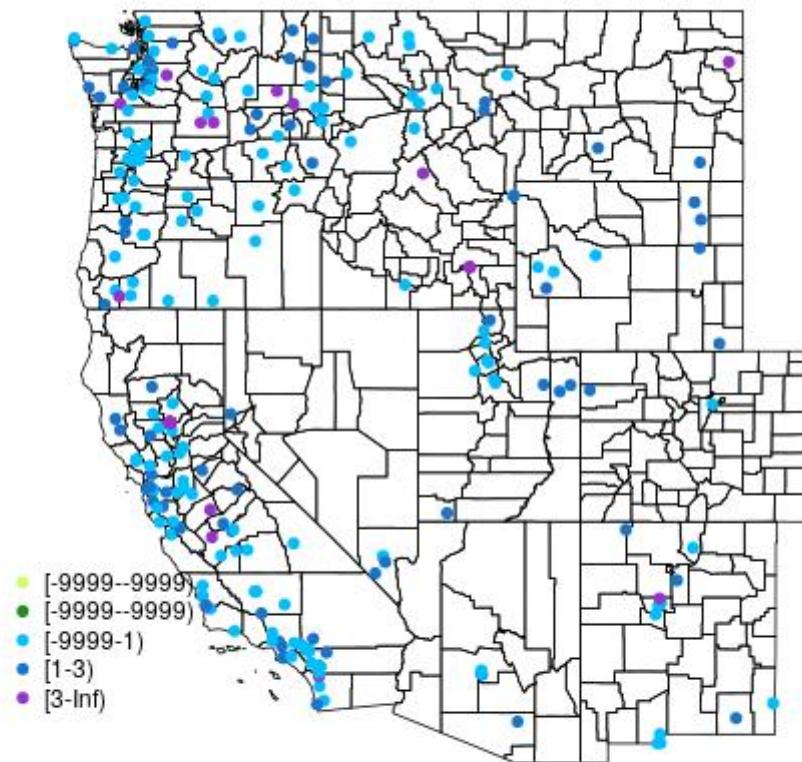


Figure 211: NLCD 2011-05-16

NLCD 2011-05-15

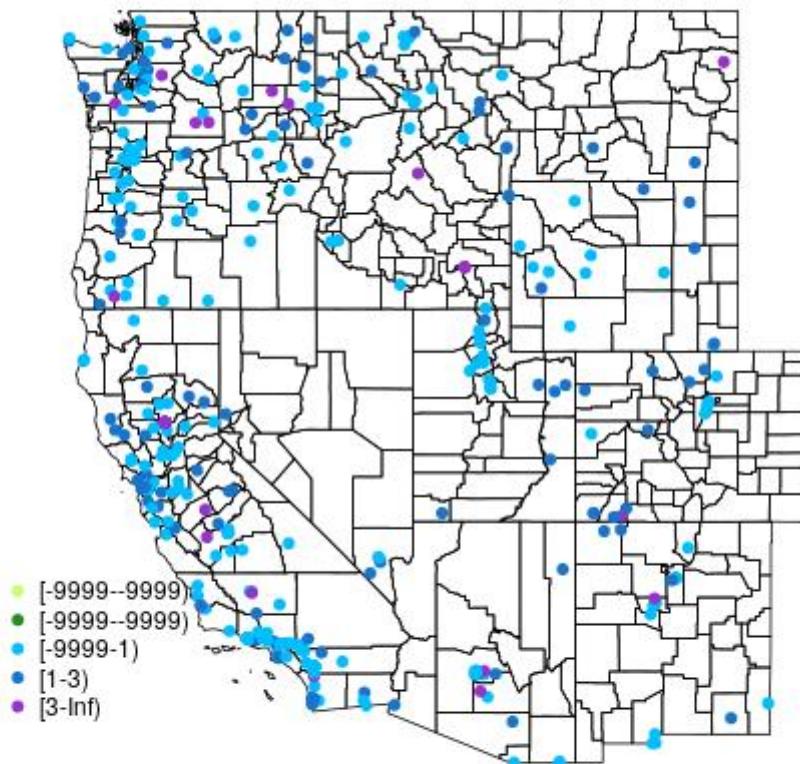


Figure 212: NLCD 2011-05-15

NLCD 2011-10-05

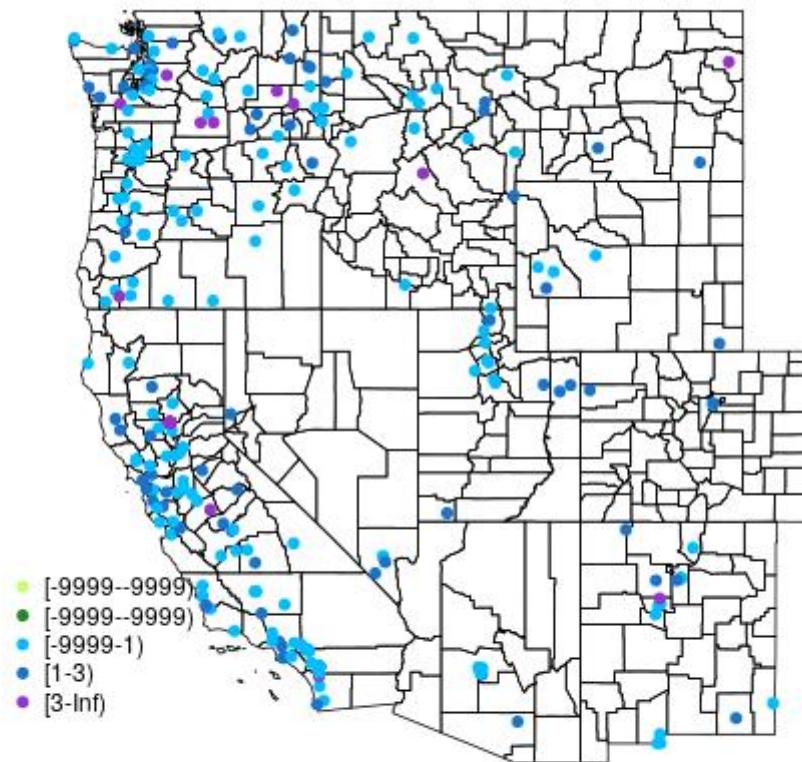


Figure 213: NLCD 2011-10-05

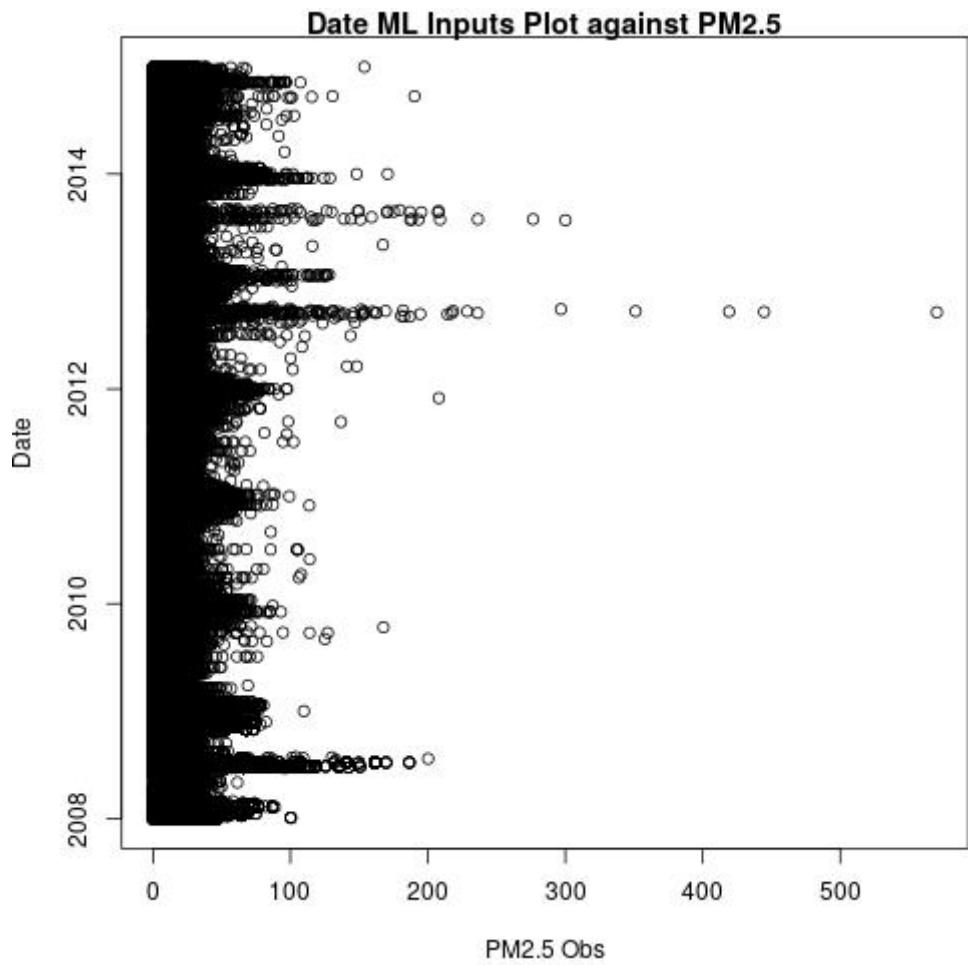


Figure 214: Date ML Inputs Plot against PM2.5

1.3 ML Inputs Plot against PM2.5 Images

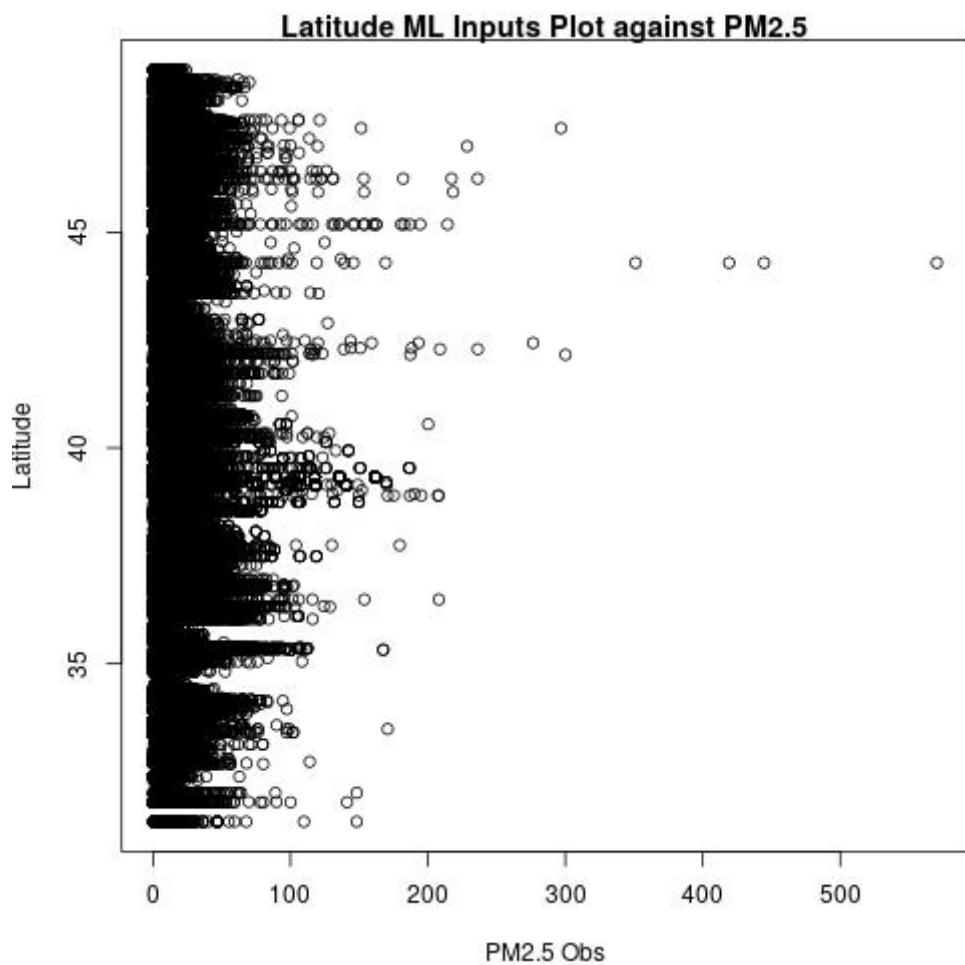


Figure 215: Latitude ML Inputs Plot against PM2.5

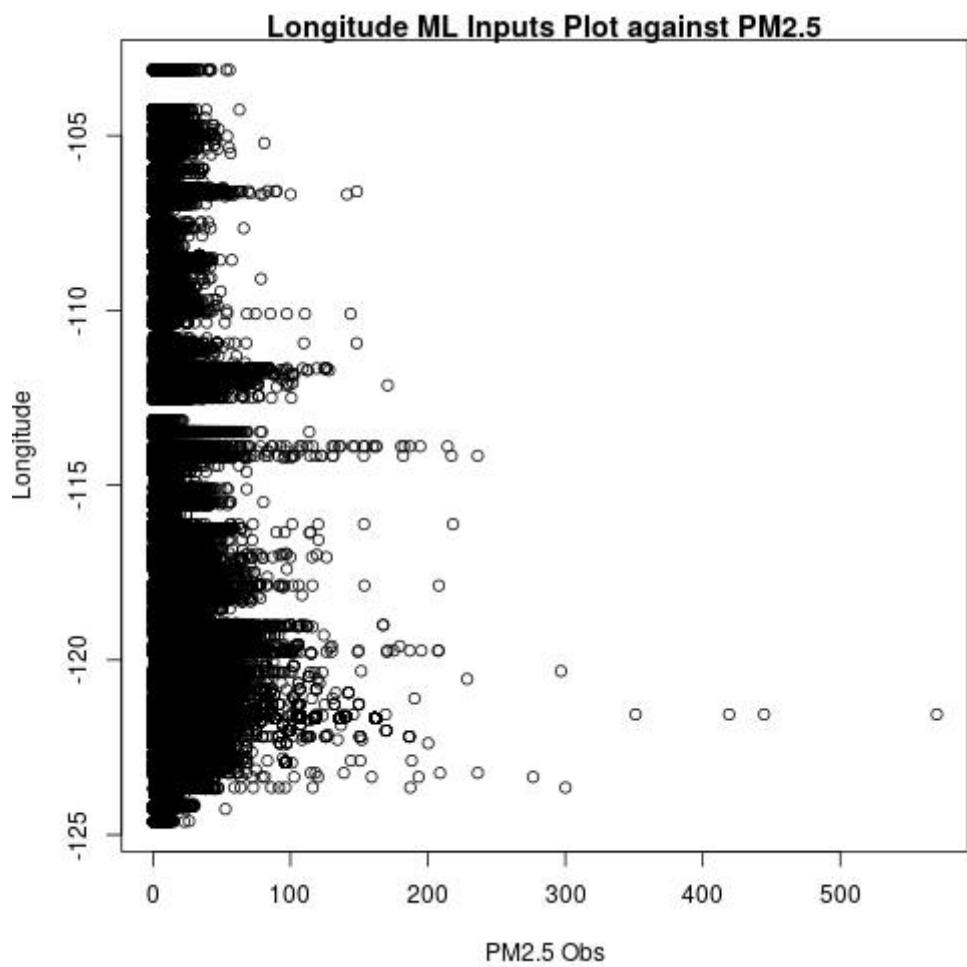


Figure 216: Longitude ML Inputs Plot against PM2.5

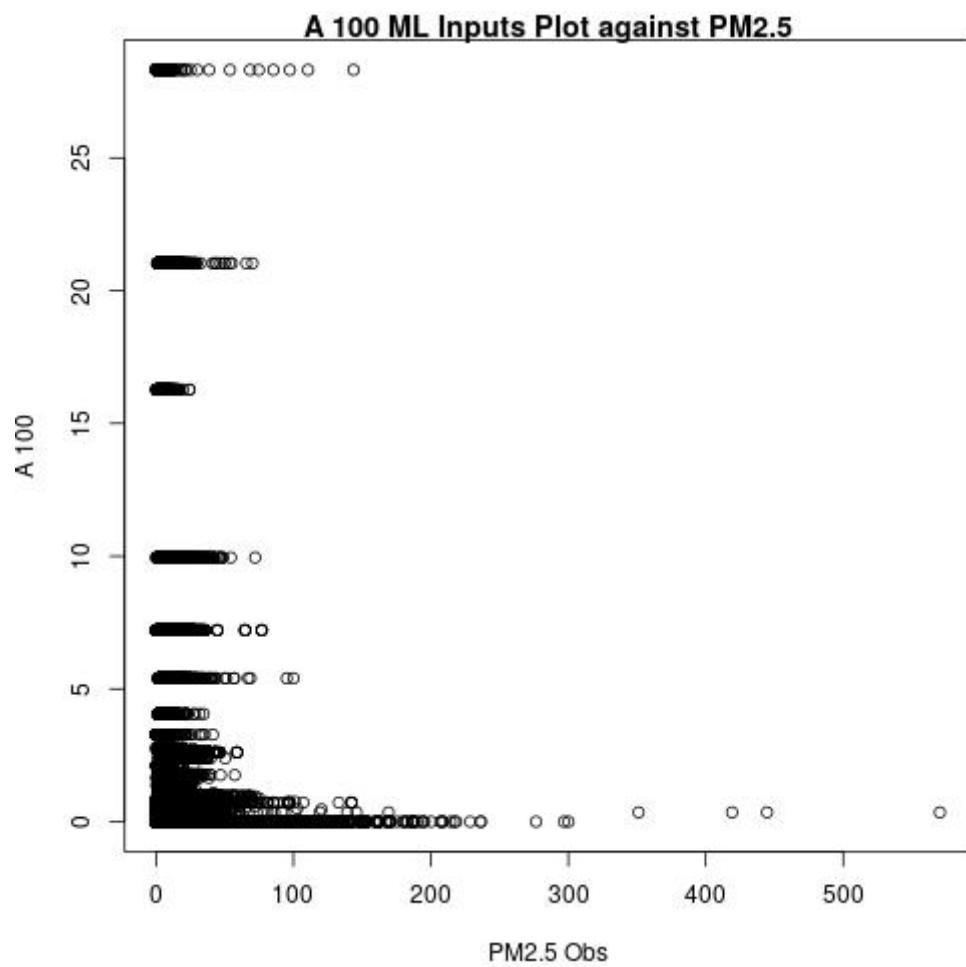


Figure 217: A 100 ML Inputs Plot against PM2.5

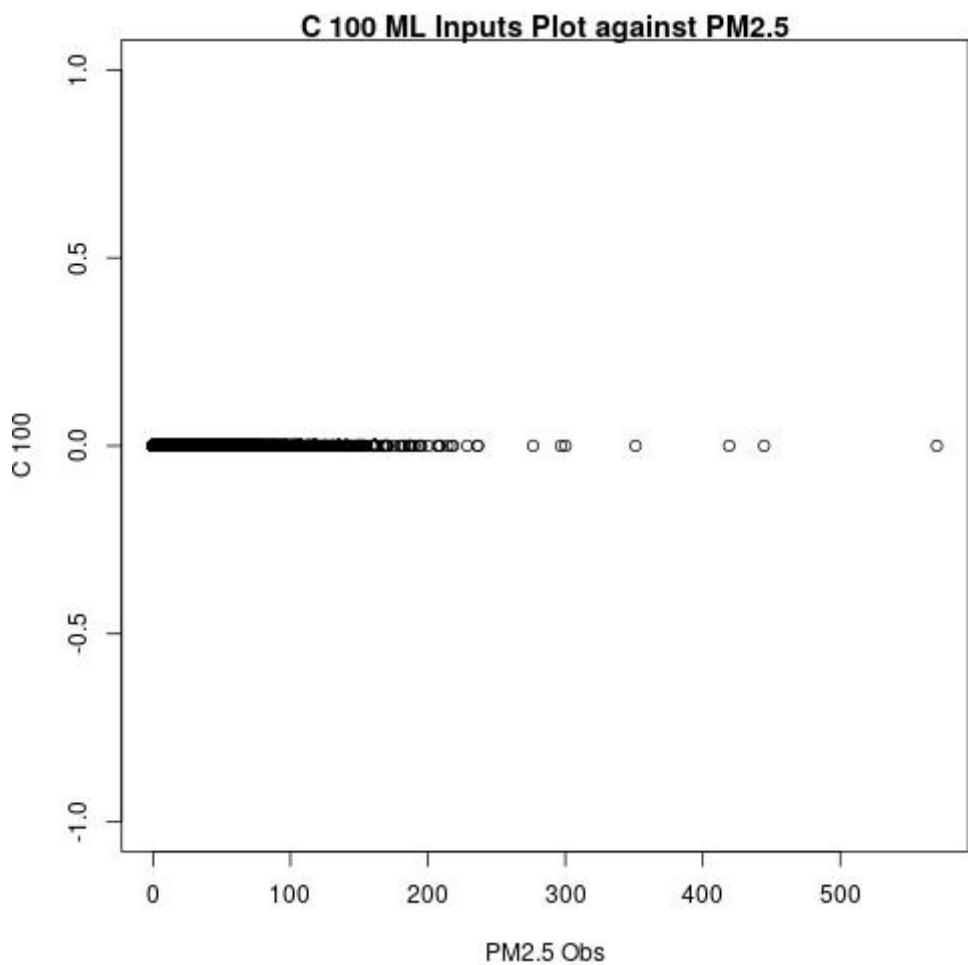


Figure 218: C 100 ML Inputs Plot against PM2.5

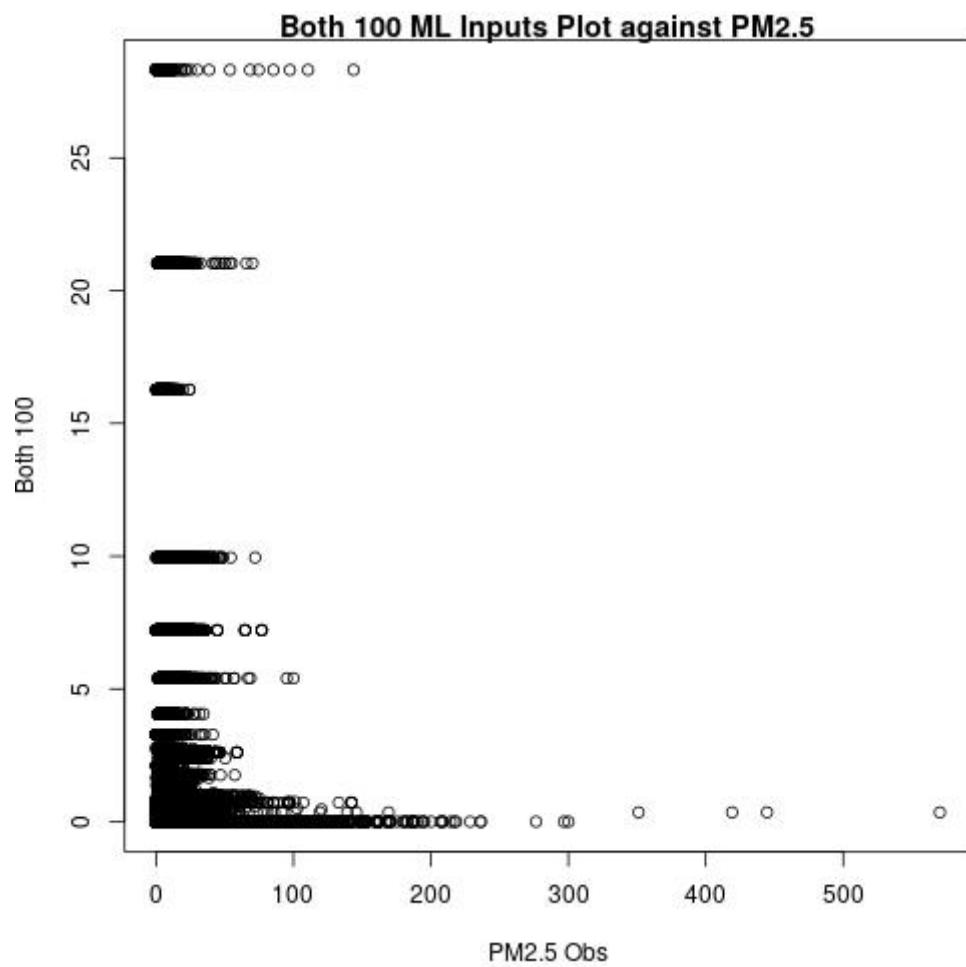


Figure 219: Both 100 ML Inputs Plot against PM2.5

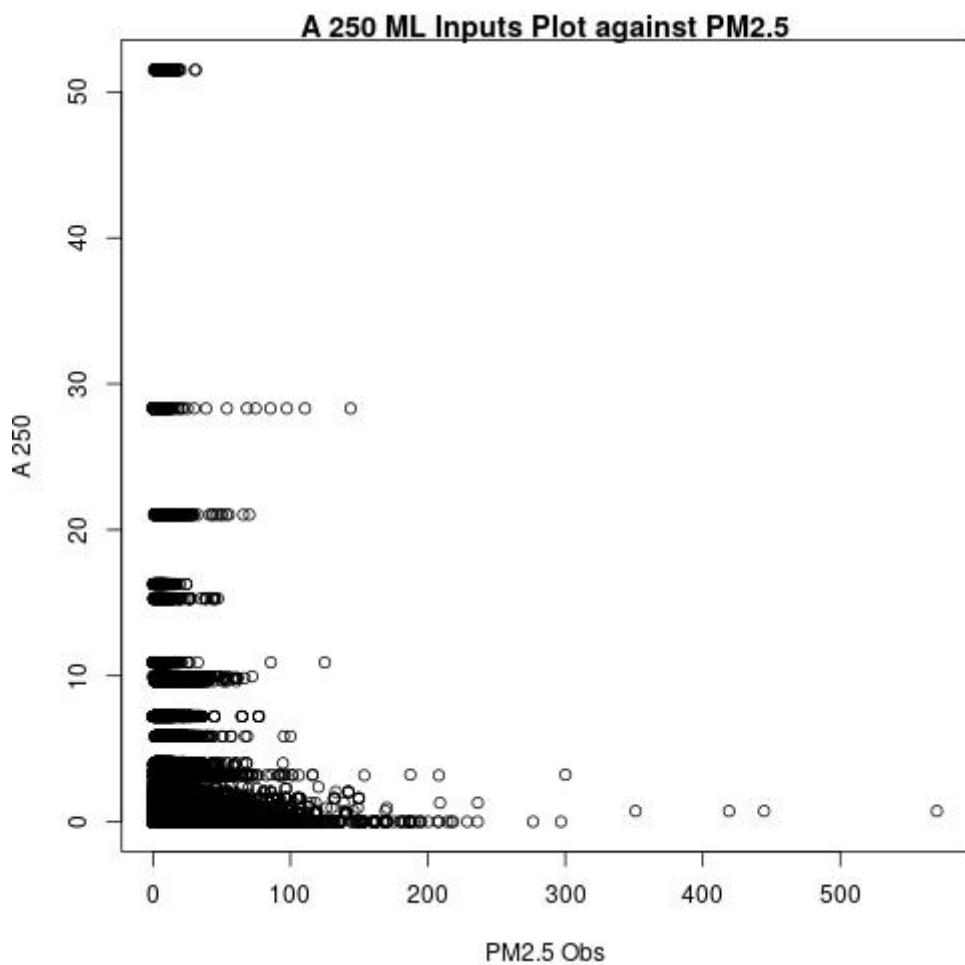


Figure 220: A 250 ML Inputs Plot against PM2.5

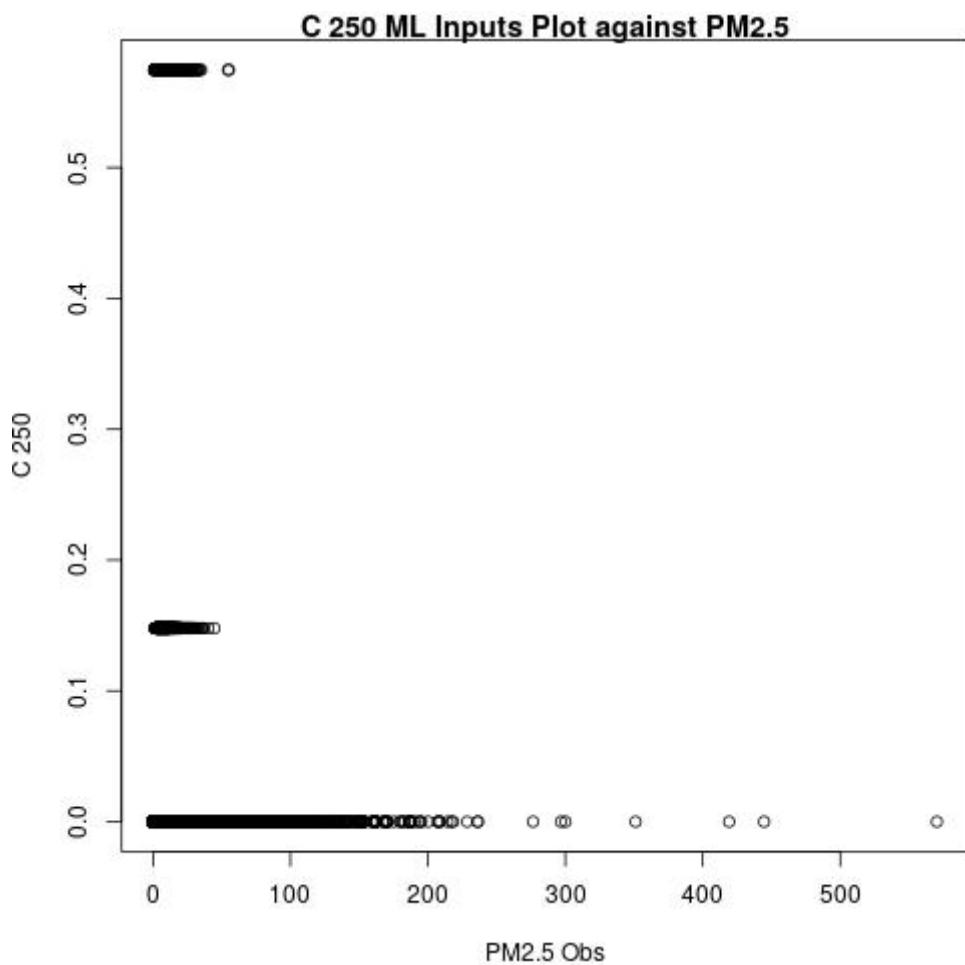


Figure 221: C 250 ML Inputs Plot against PM2.5

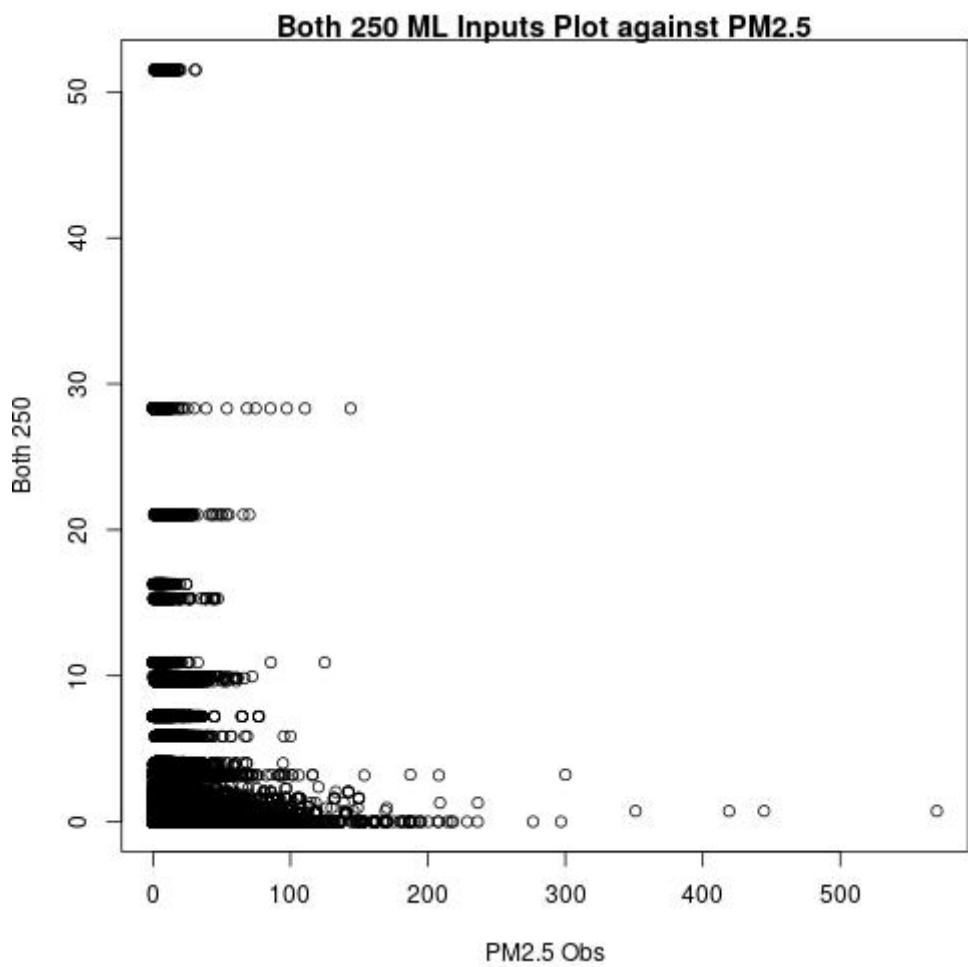


Figure 222: Both 250 ML Inputs Plot against PM2.5

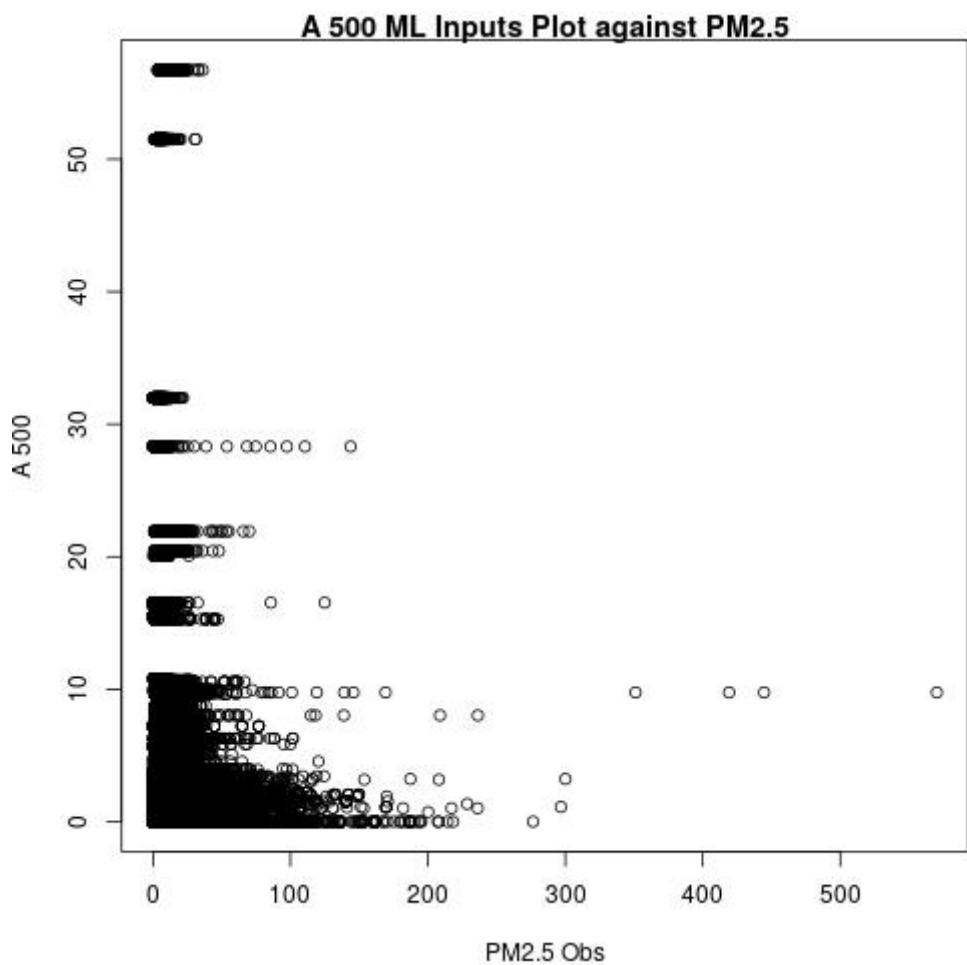


Figure 223: A 500 ML Inputs Plot against PM2.5

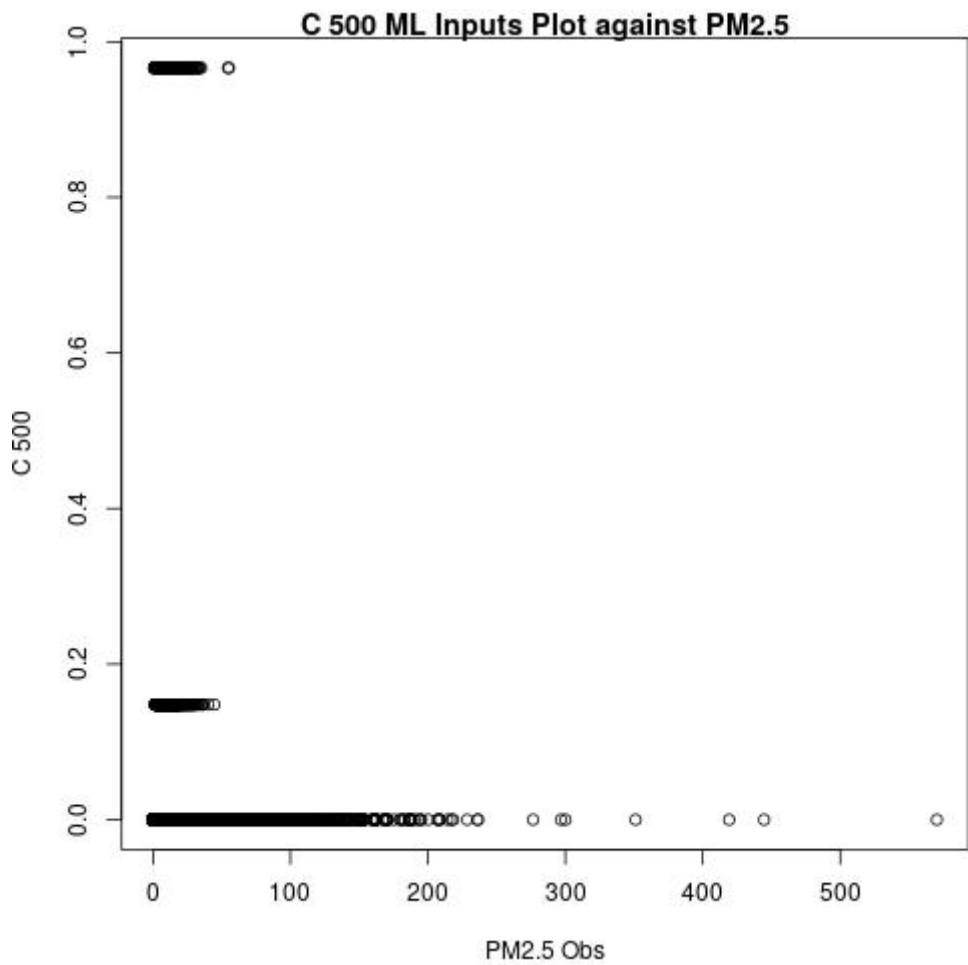


Figure 224: C 500 ML Inputs Plot against PM2.5

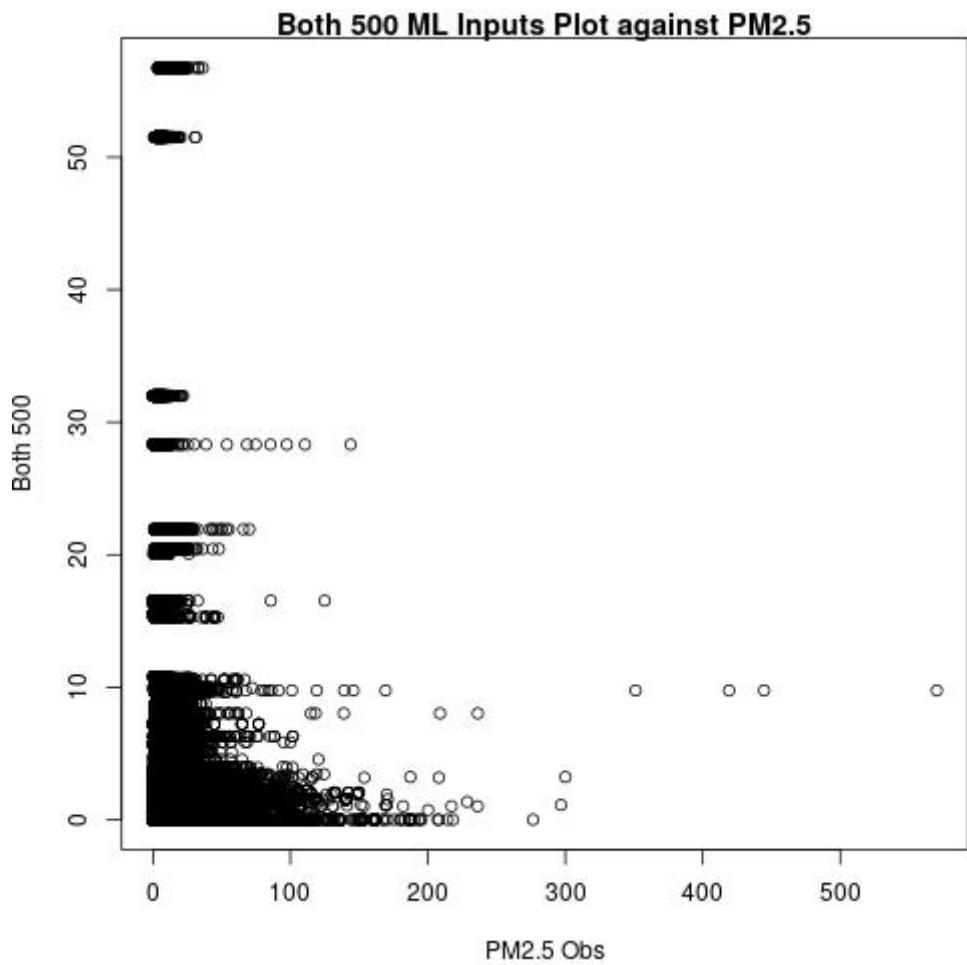


Figure 225: Both 500 ML Inputs Plot against PM2.5

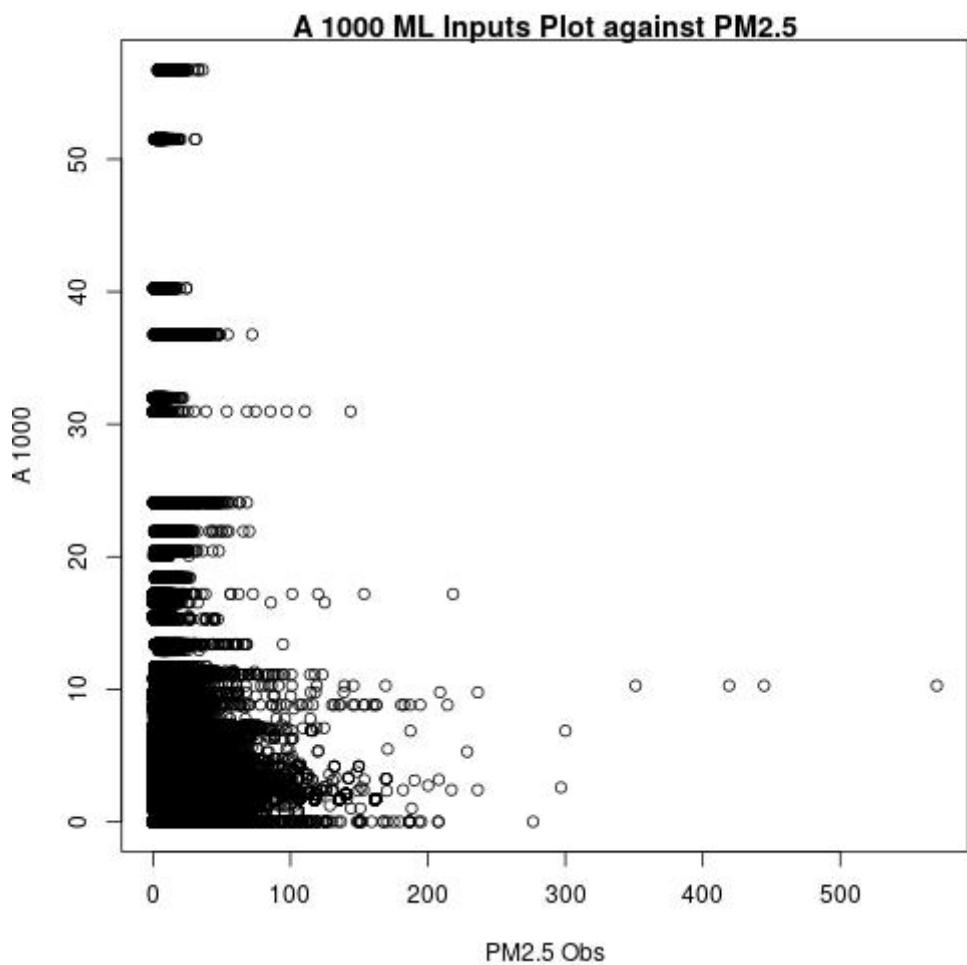


Figure 226: A 1000 ML Inputs Plot against PM2.5

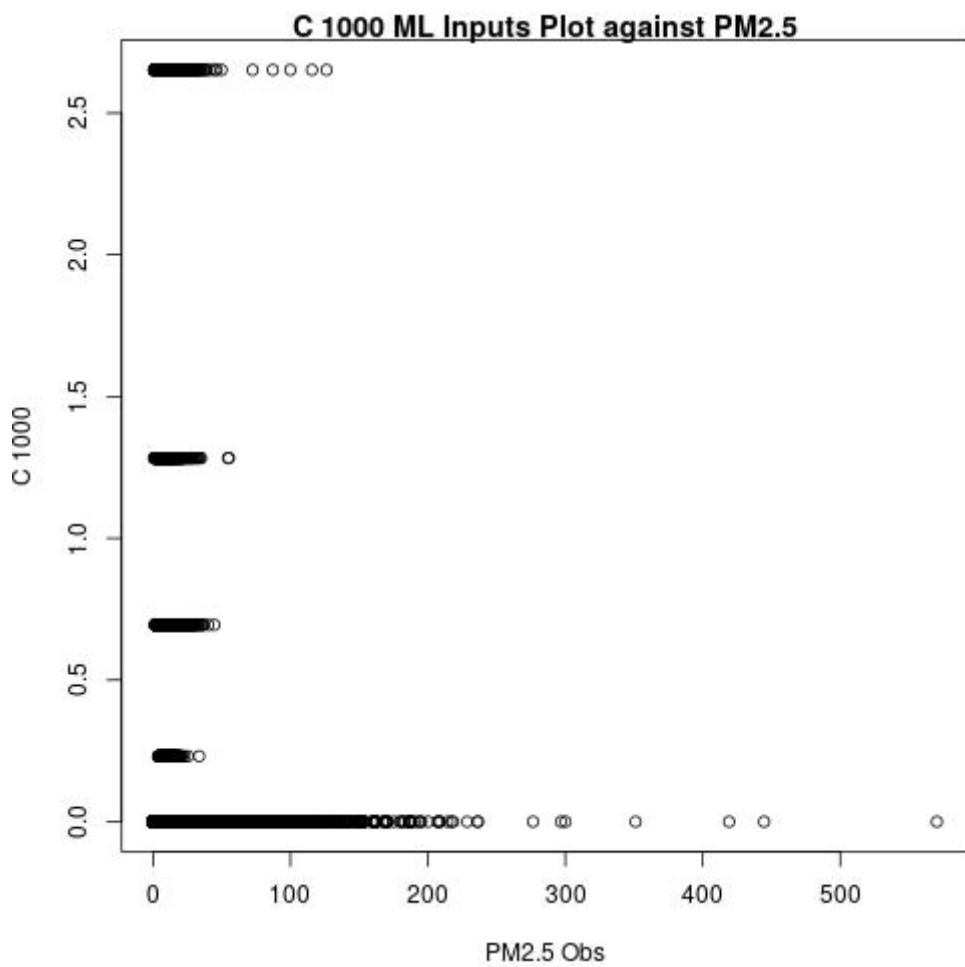


Figure 227: C 1000 ML Inputs Plot against PM2.5

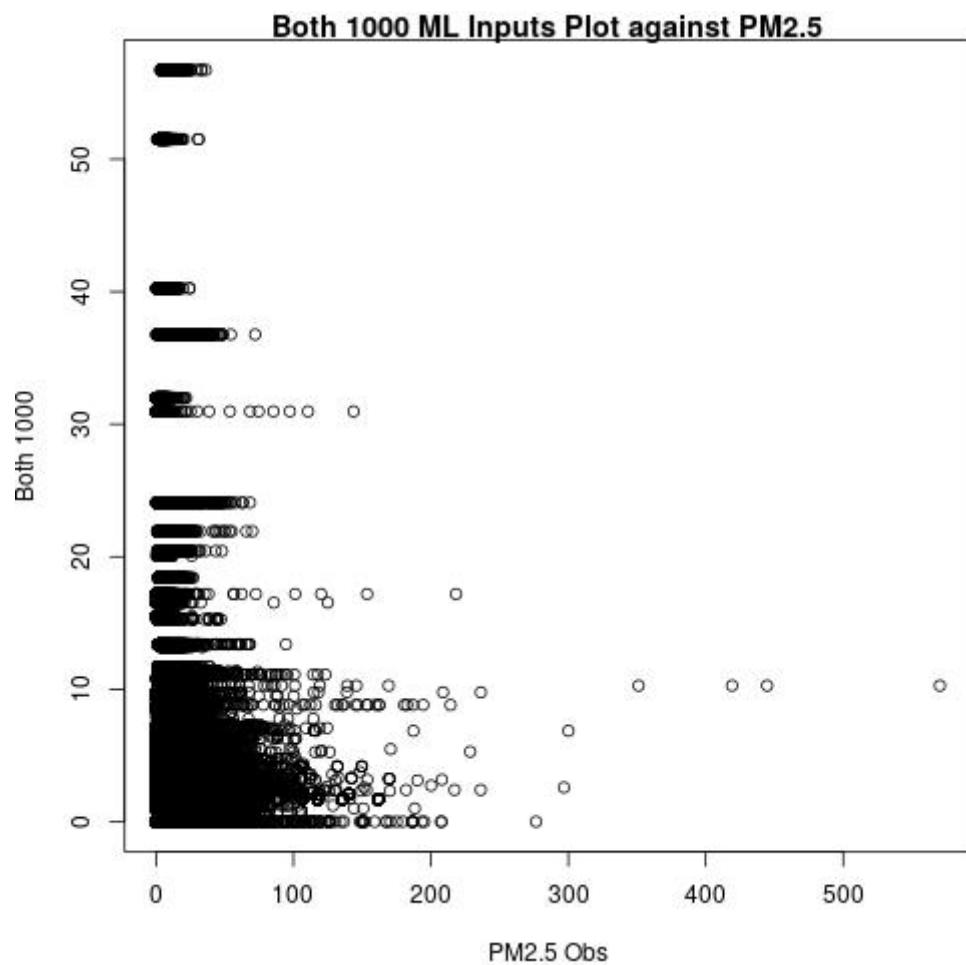


Figure 228: Both 1000 ML Inputs Plot against PM2.5

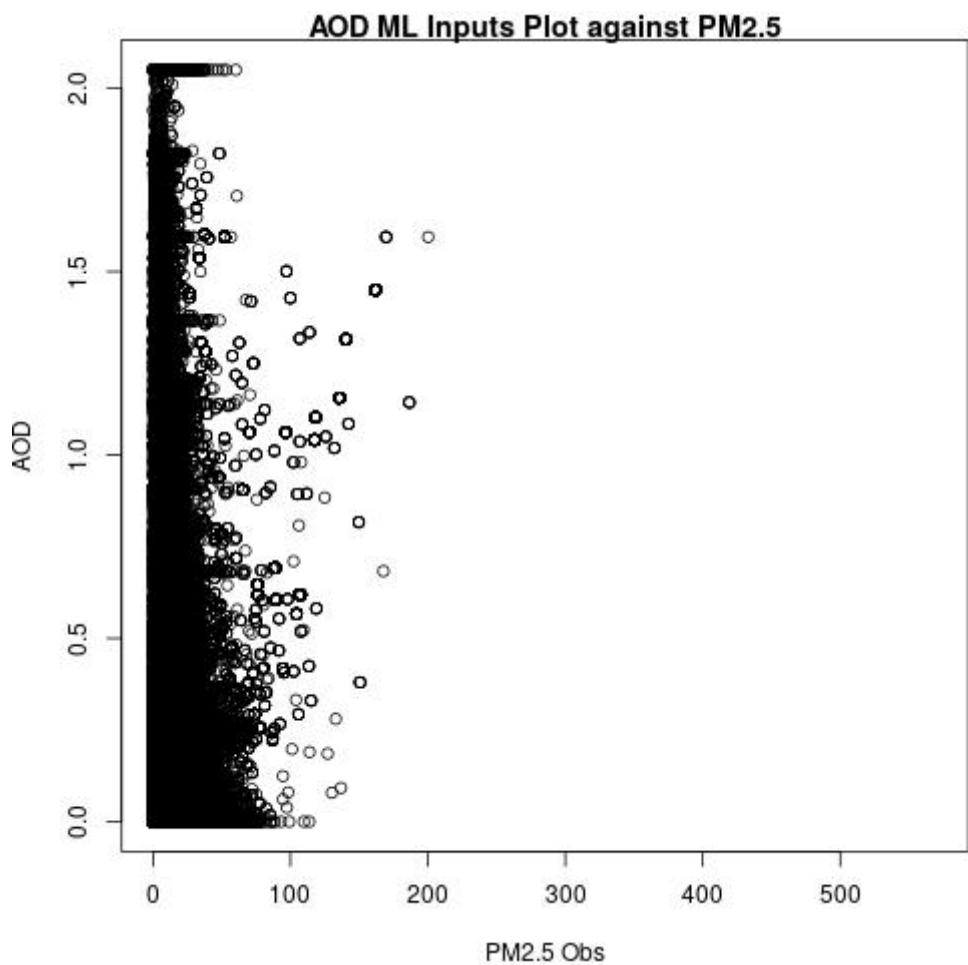


Figure 229: AOD ML Inputs Plot against PM2.5

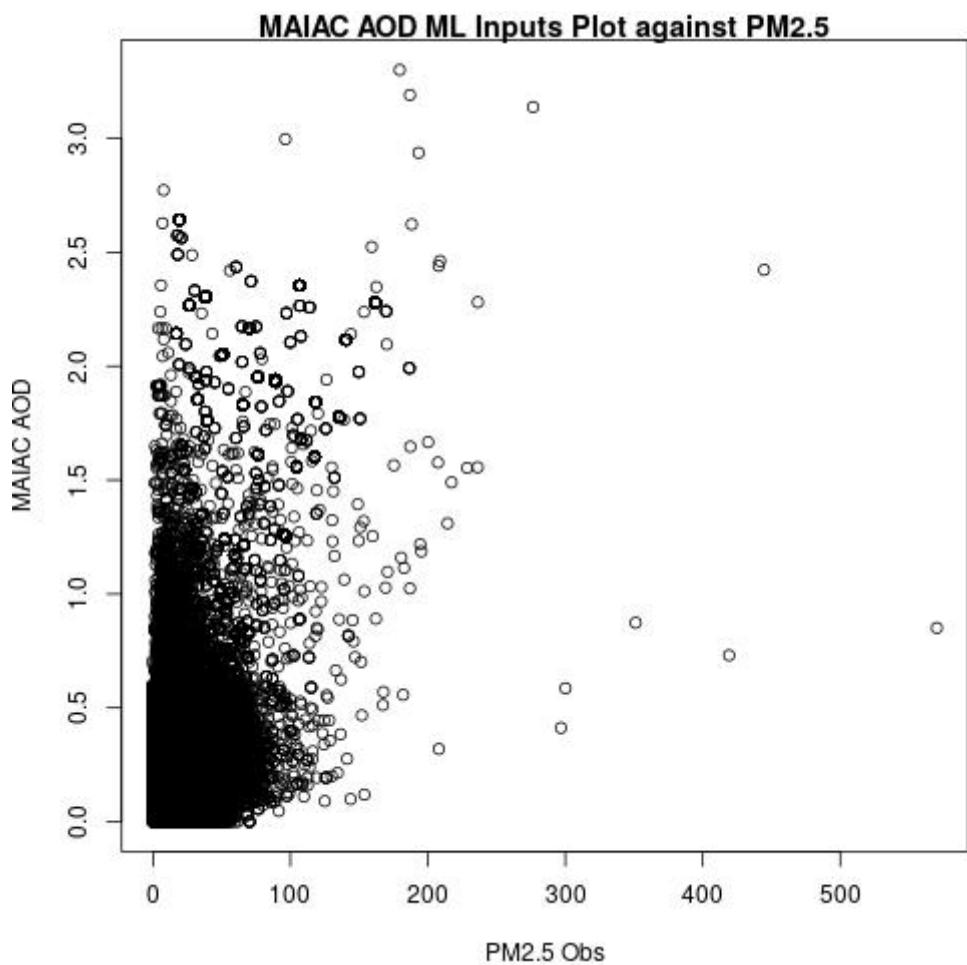


Figure 230: MAIAC AOD ML Inputs Plot against PM2.5

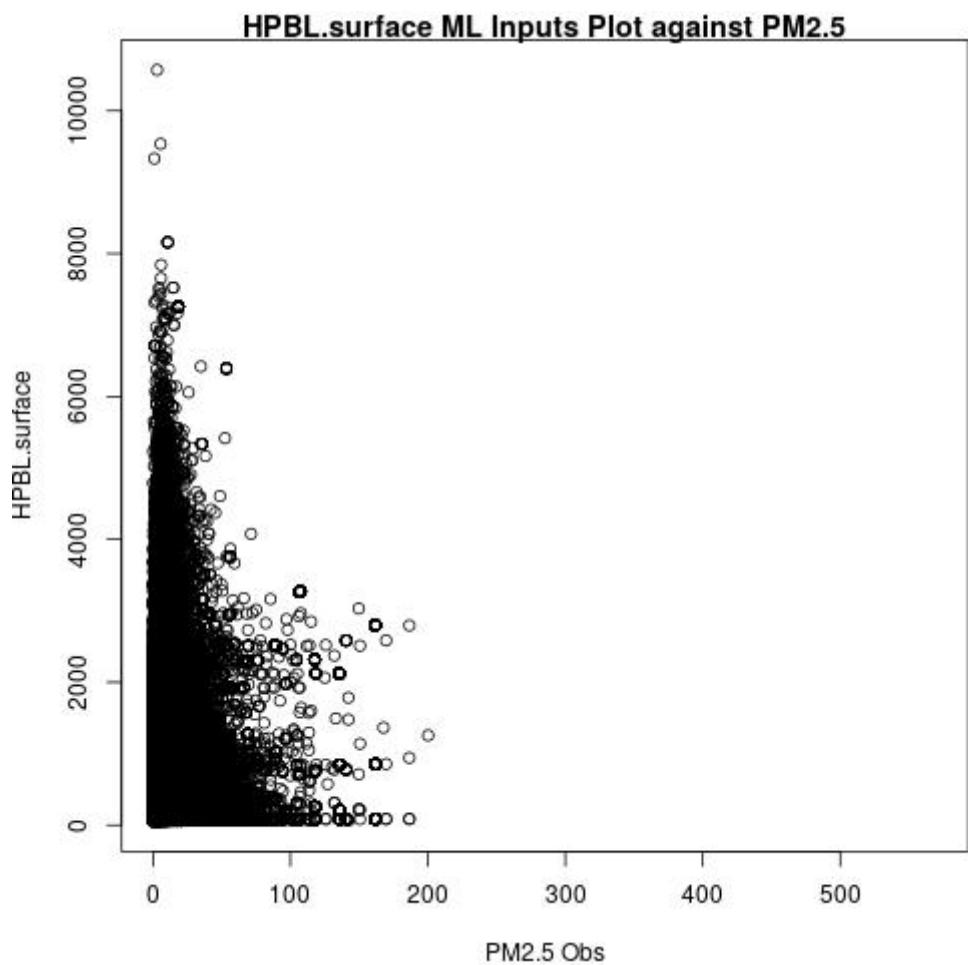


Figure 231: HPBL.surface ML Inputs Plot against PM2.5

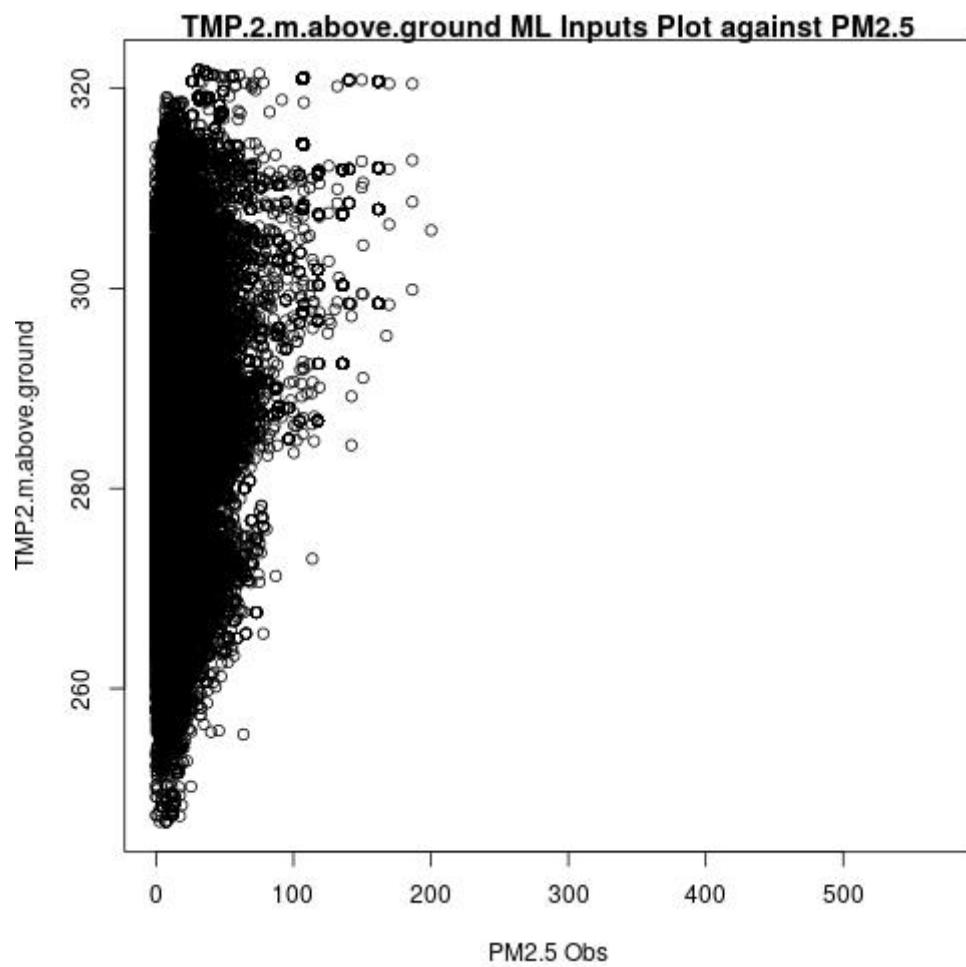


Figure 232: TMP.2.m.above.ground ML Inputs Plot against PM2.5

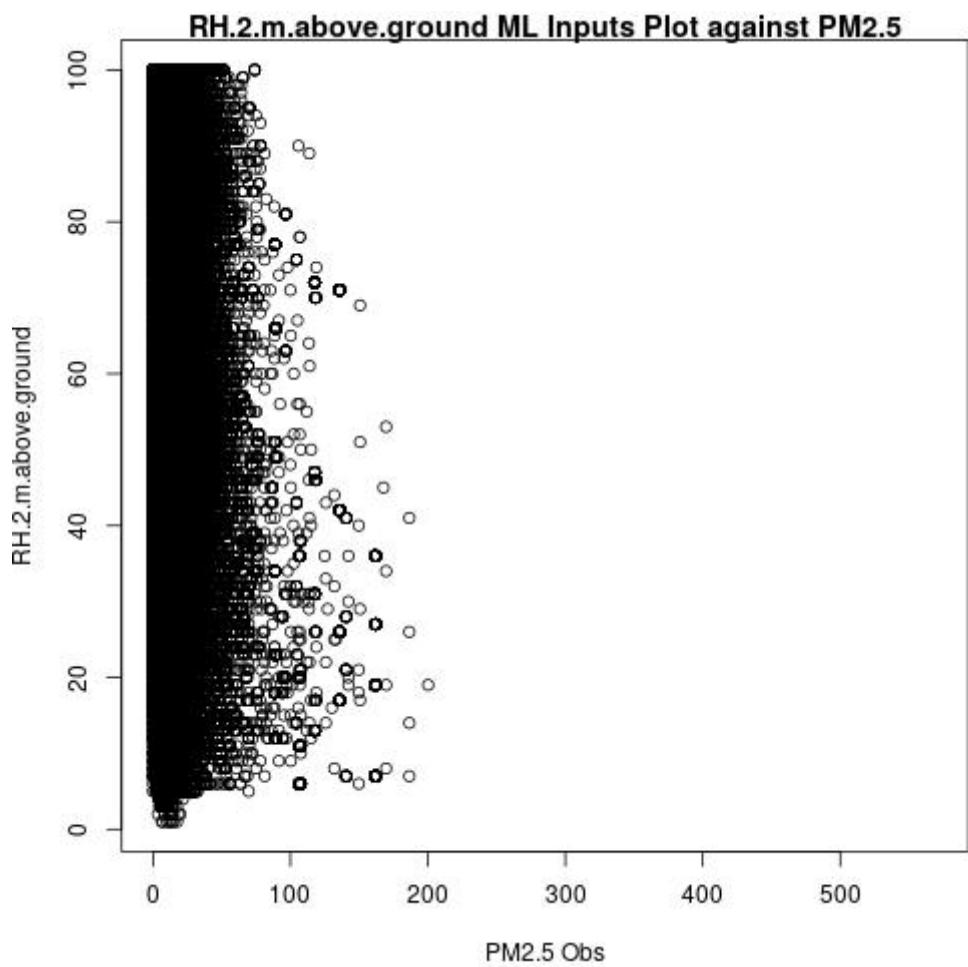


Figure 233: RH.2.m.above.ground ML Inputs Plot against PM2.5

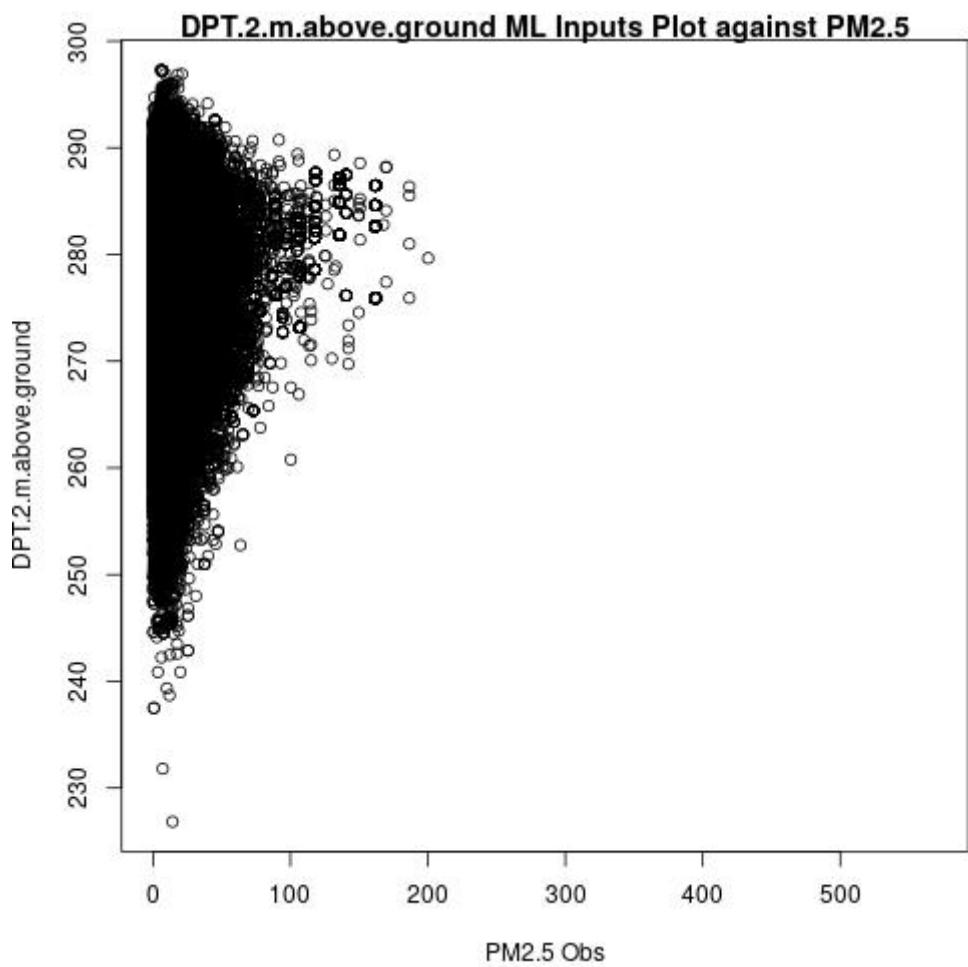


Figure 234: DPT.2.m.above.ground ML Inputs Plot against PM2.5

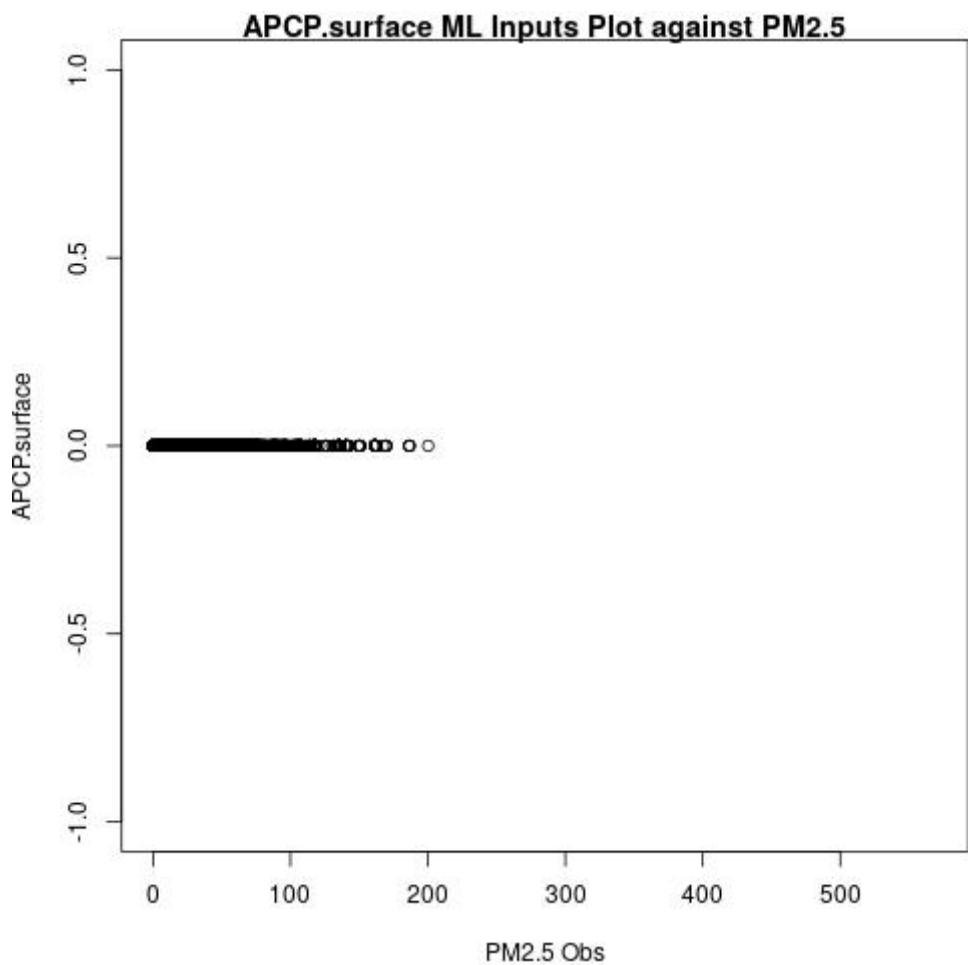


Figure 235: APCP.surface ML Inputs Plot against PM2.5

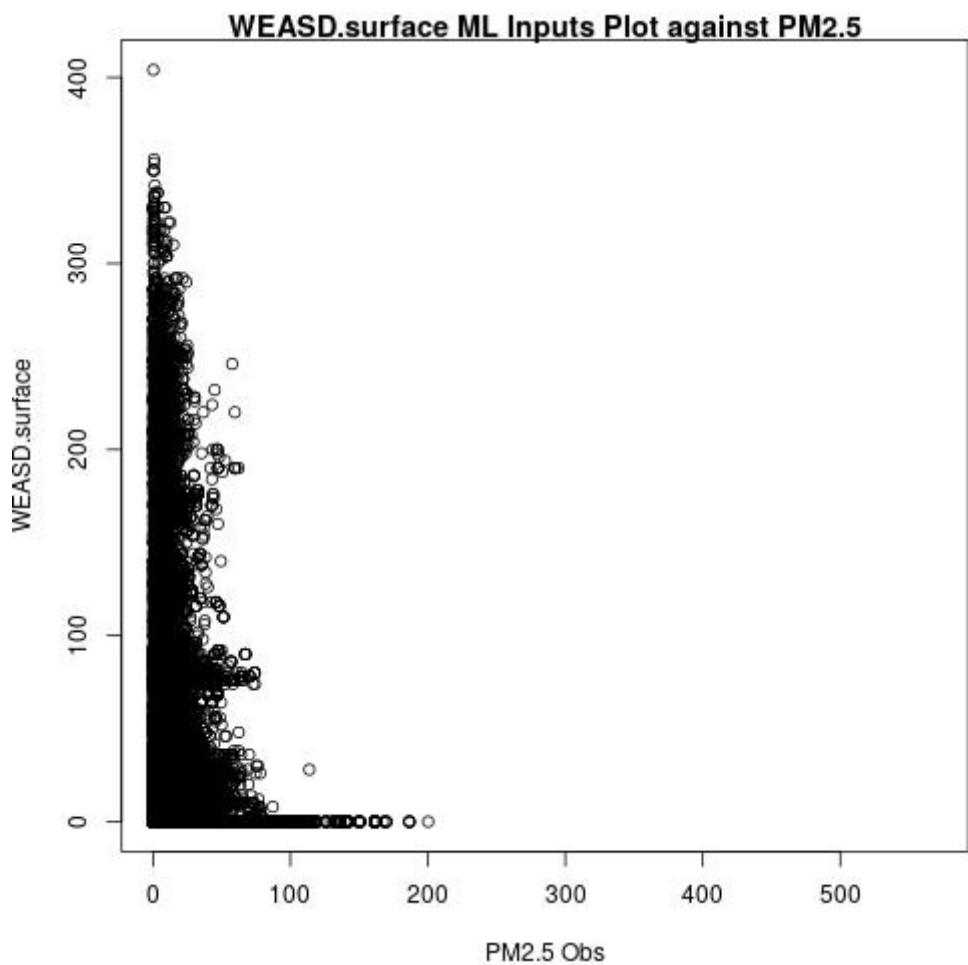


Figure 236: WEASD.surface ML Inputs Plot against PM2.5

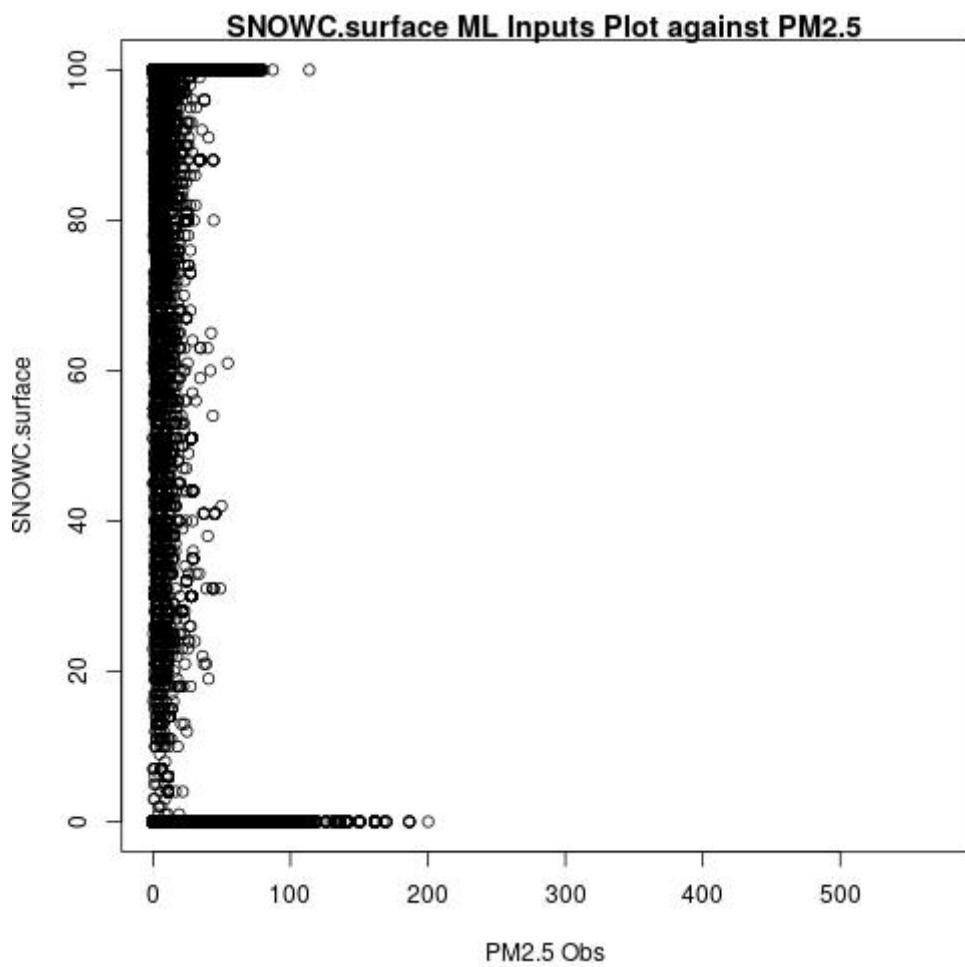


Figure 237: SNOWC.surface ML Inputs Plot against PM2.5

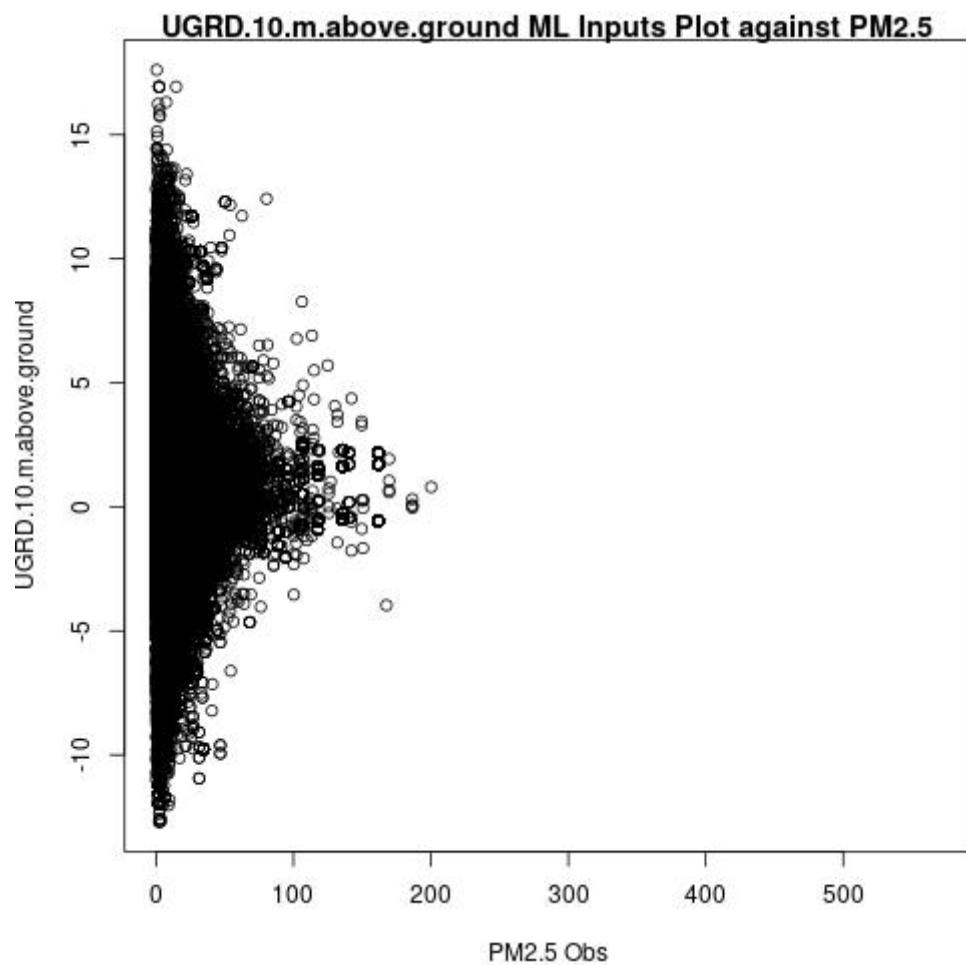


Figure 238: UGRD.10.m.above.ground ML Inputs Plot against PM2.5

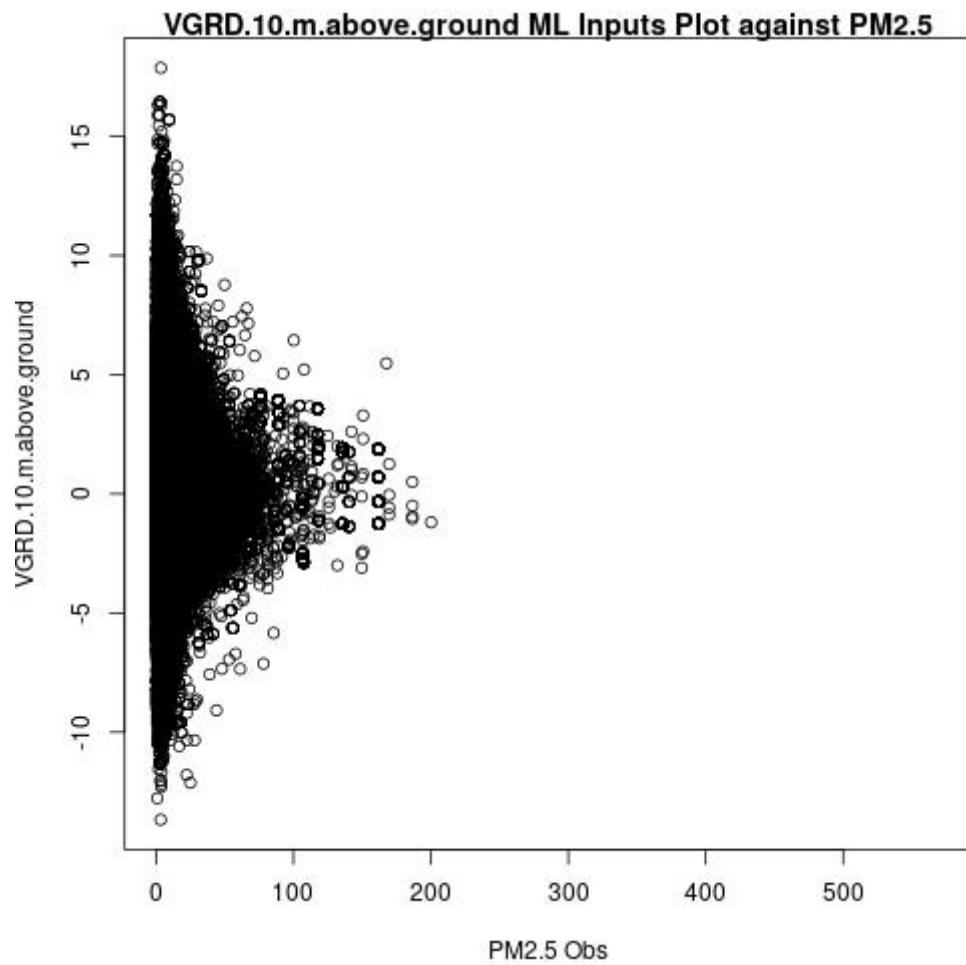


Figure 239: VGRD.10.m.above.ground ML Inputs Plot against PM2.5

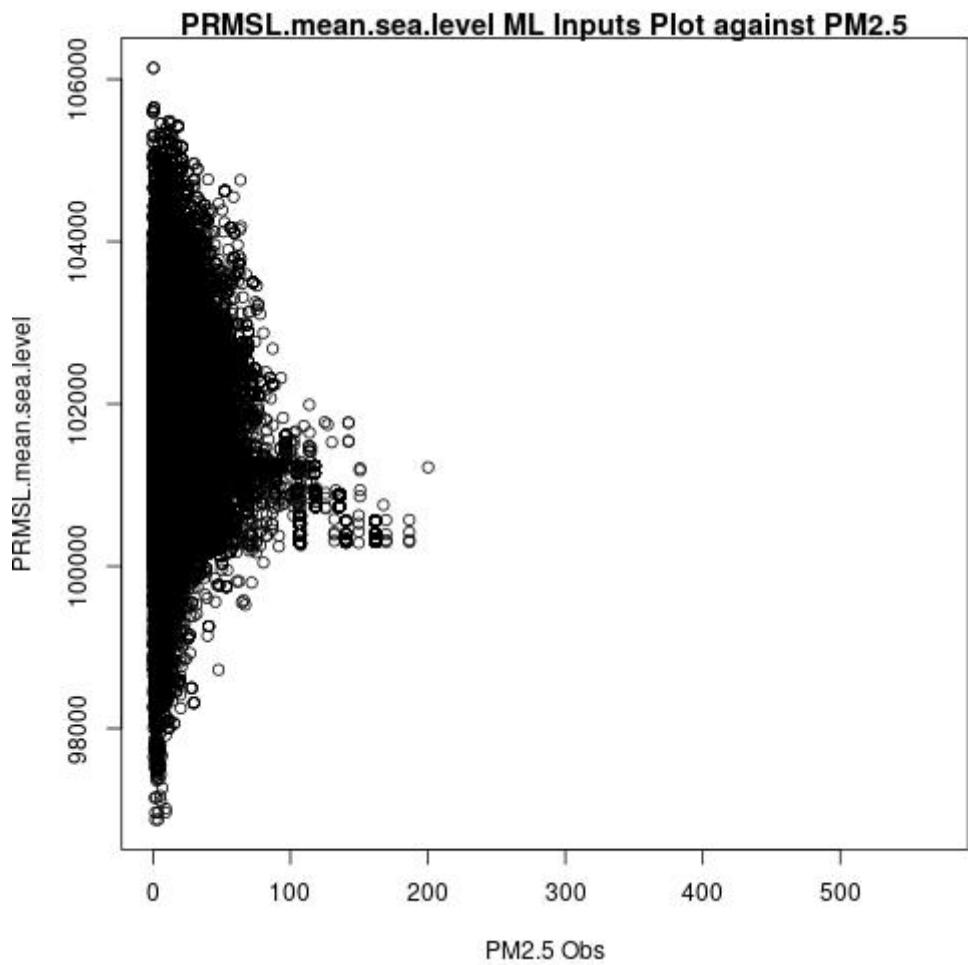


Figure 240: PRMSL.mean.sea.level ML Inputs Plot against PM2.5

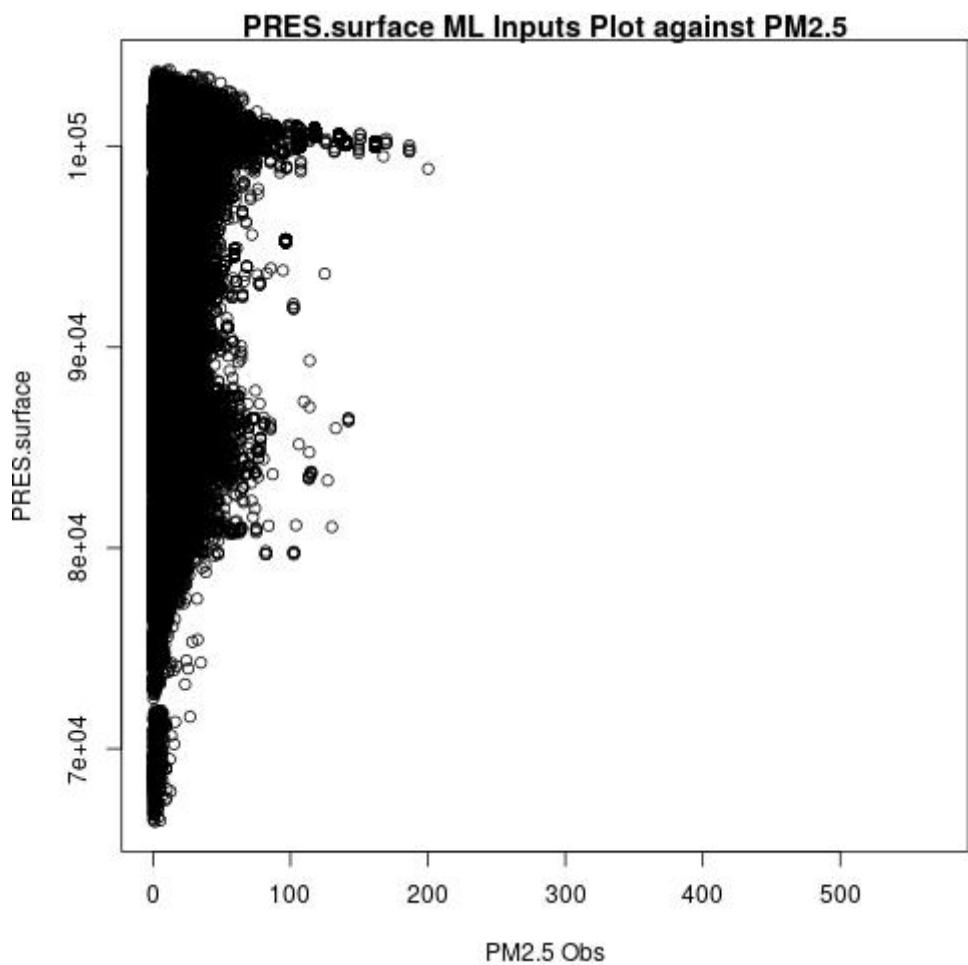


Figure 241: PRES.surface ML Inputs Plot against PM2.5

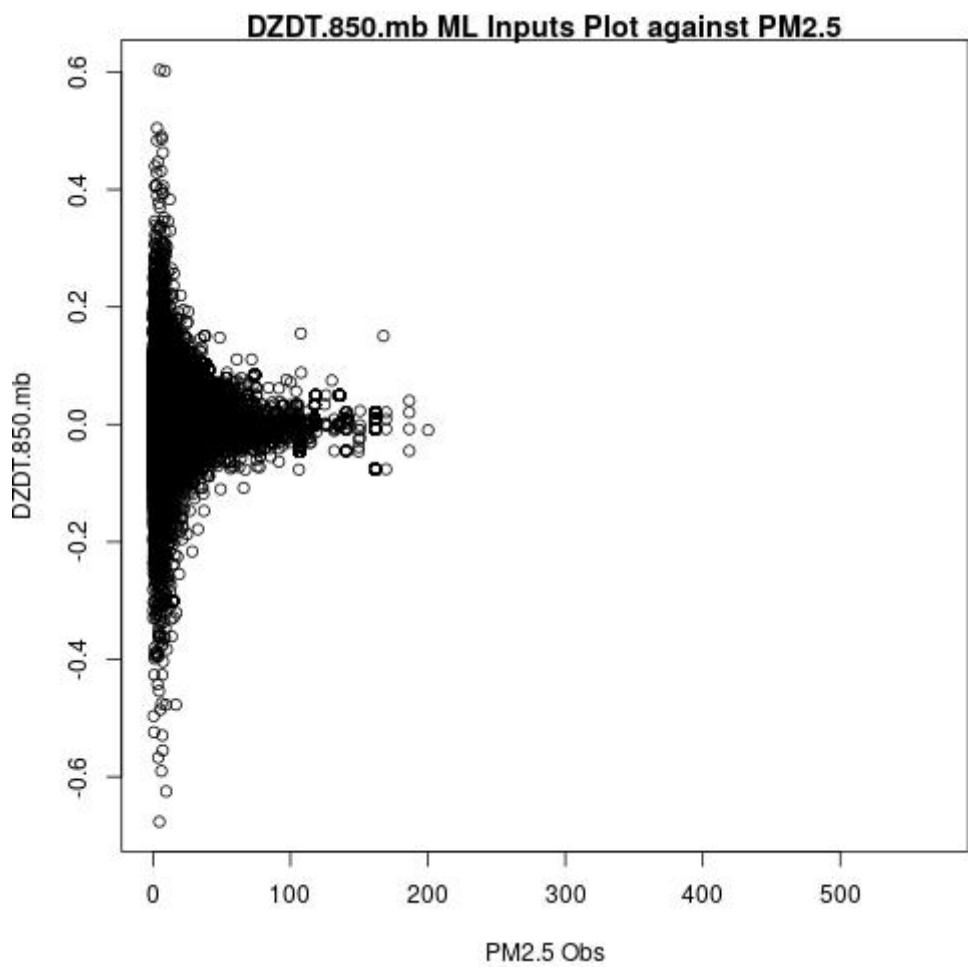


Figure 242: DZDT.850(mb) ML Inputs Plot against PM2.5

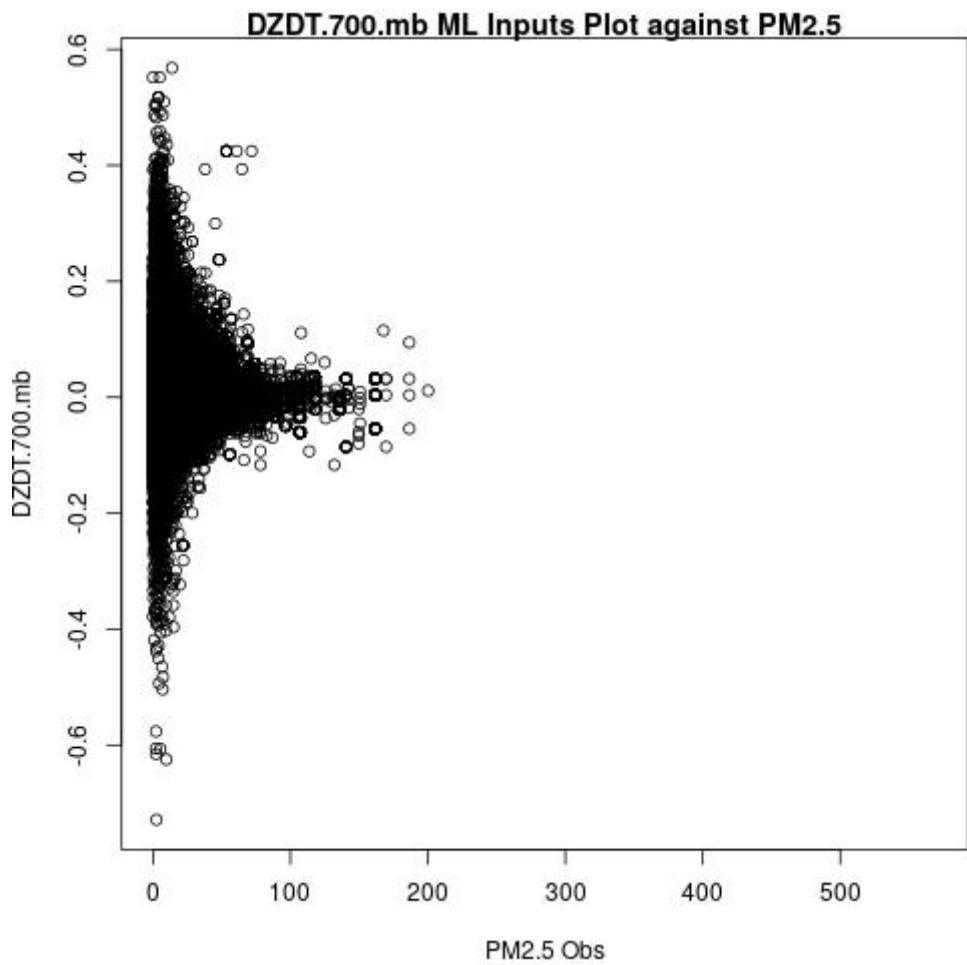


Figure 243: DZDT.700(mb) ML Inputs Plot against PM2.5

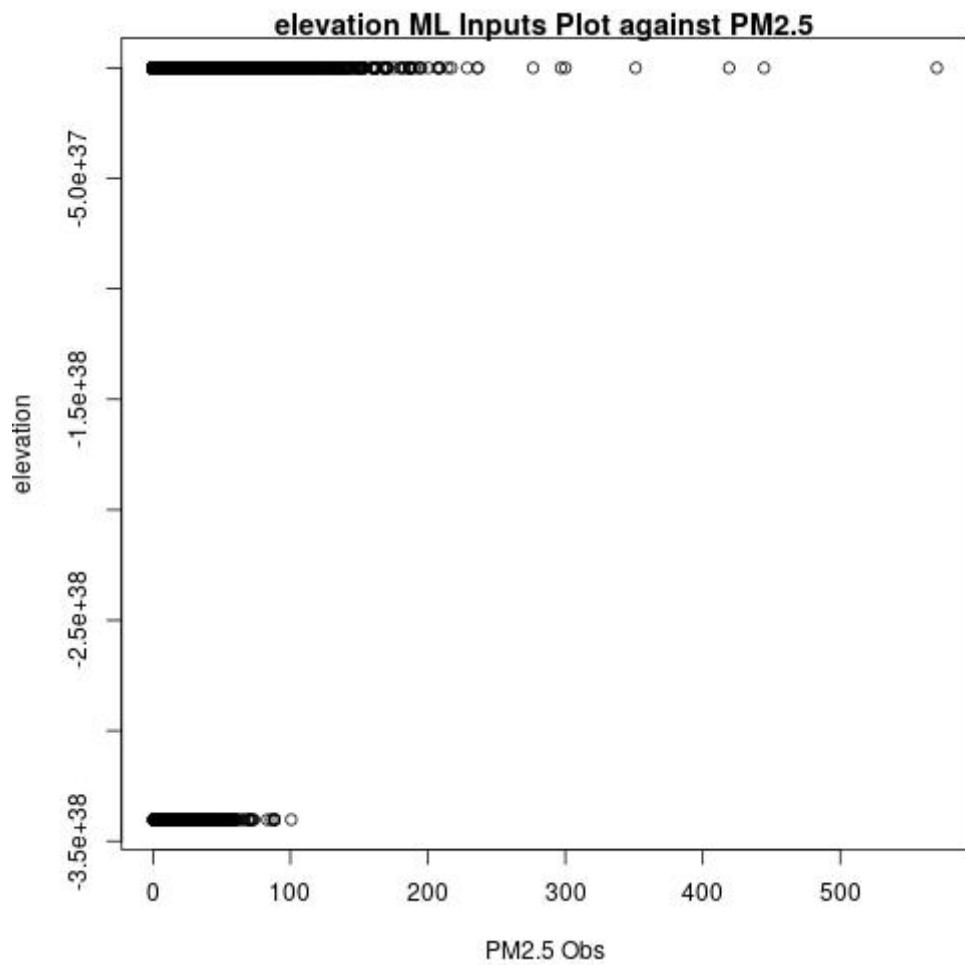


Figure 244: elevation ML Inputs Plot against PM2.5

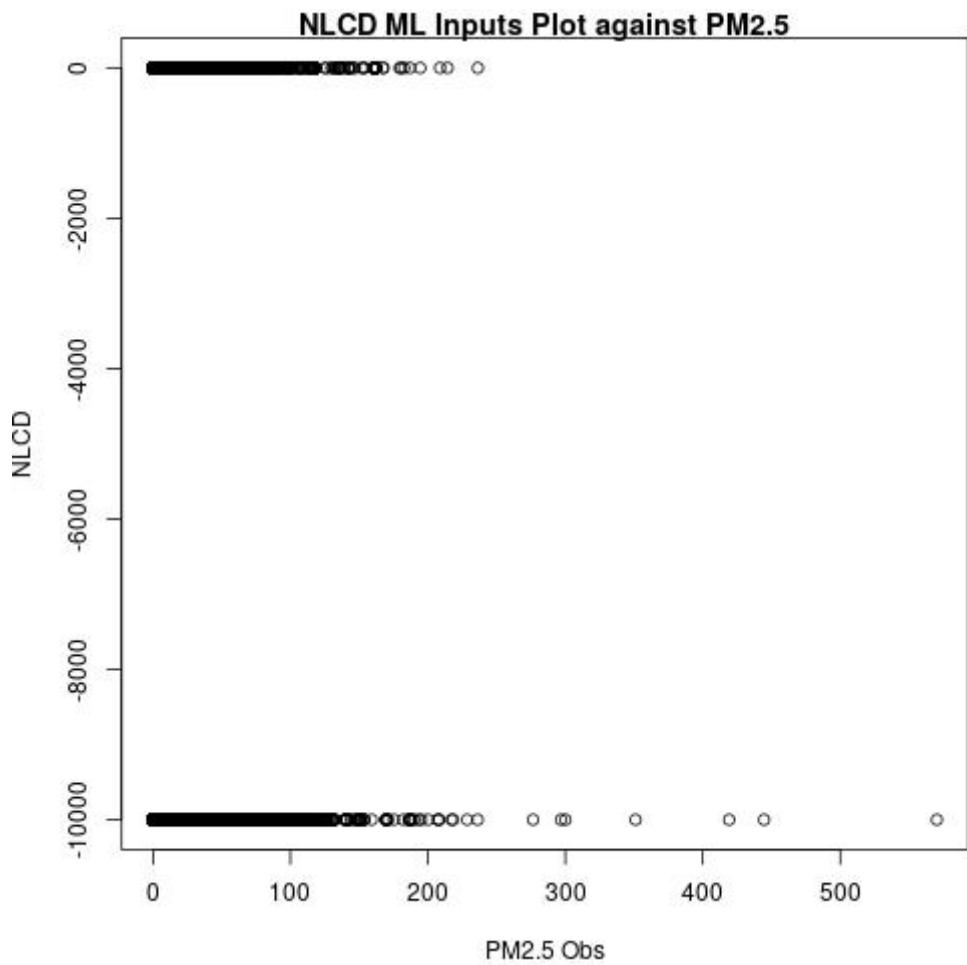


Figure 245: NLCD ML Inputs Plot against PM2.5

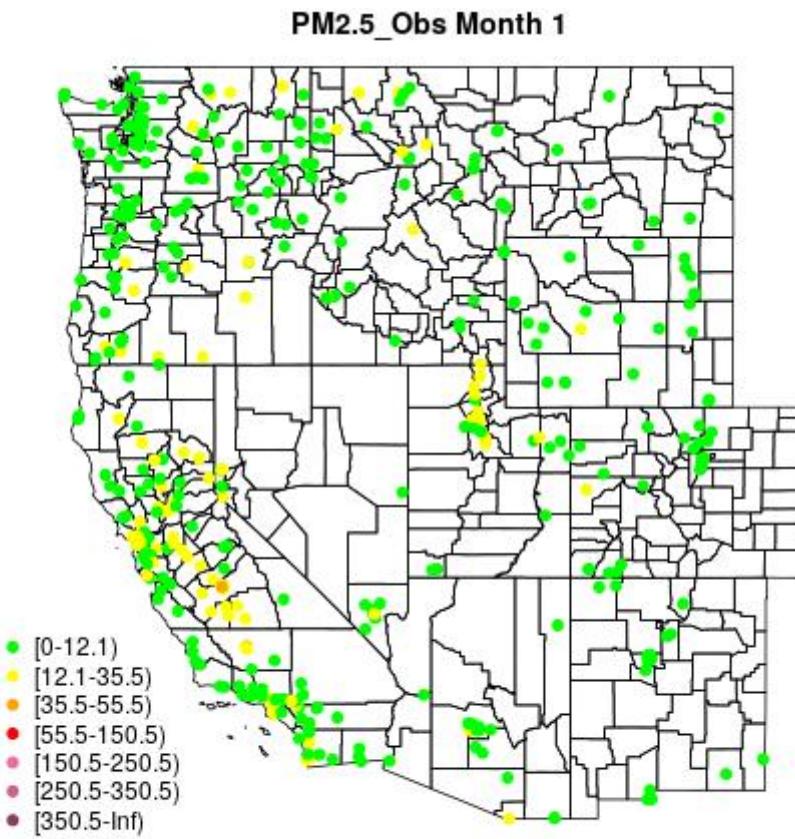


Figure 246: PM2.5-Obs Month 1

1.4 ML Inputs Map monthly medians Images

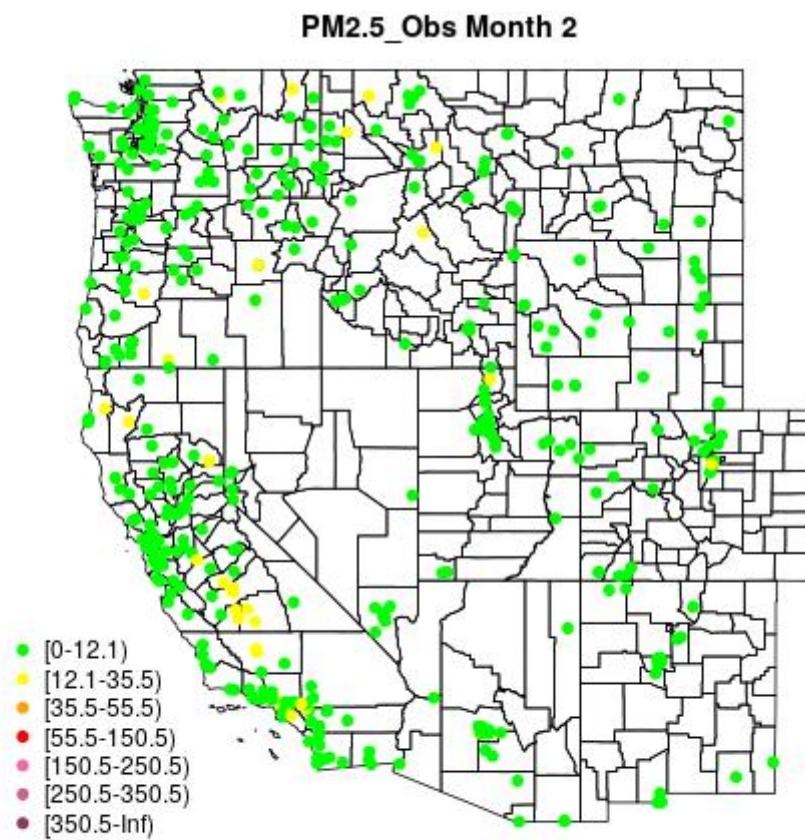


Figure 247: PM2.5-Obs Month 2

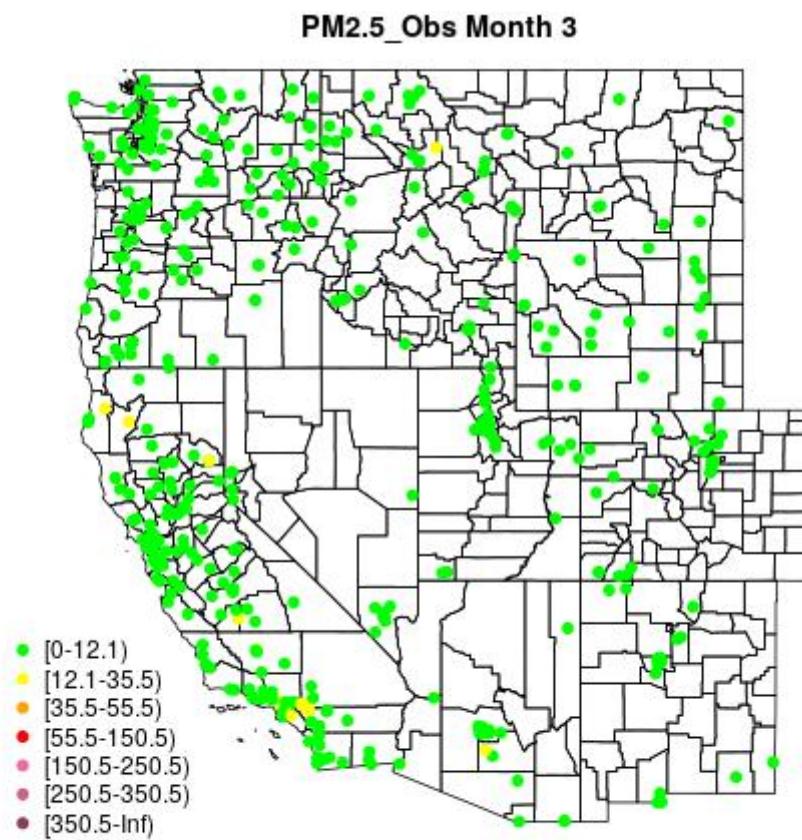


Figure 248: PM2.5-Obs Month 3

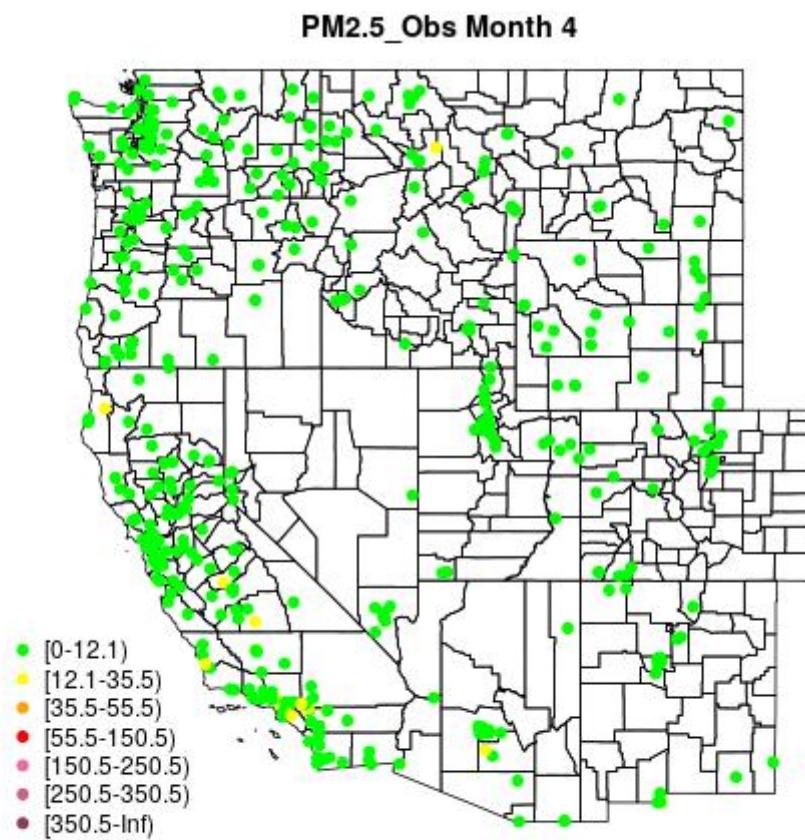


Figure 249: PM2.5-Obs Month 4

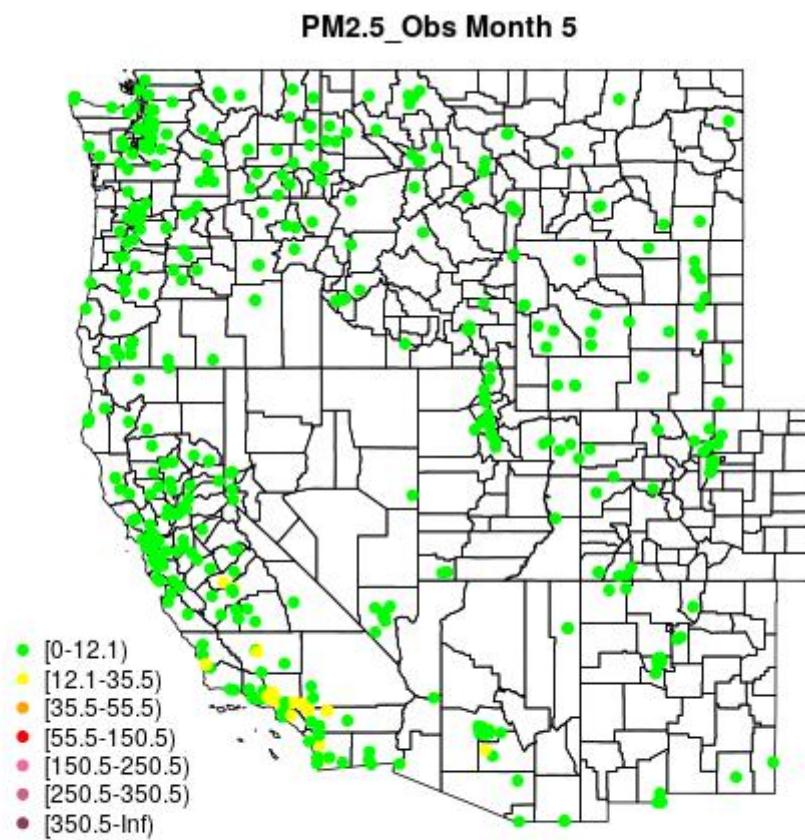


Figure 250: PM2.5-Obs Month 5

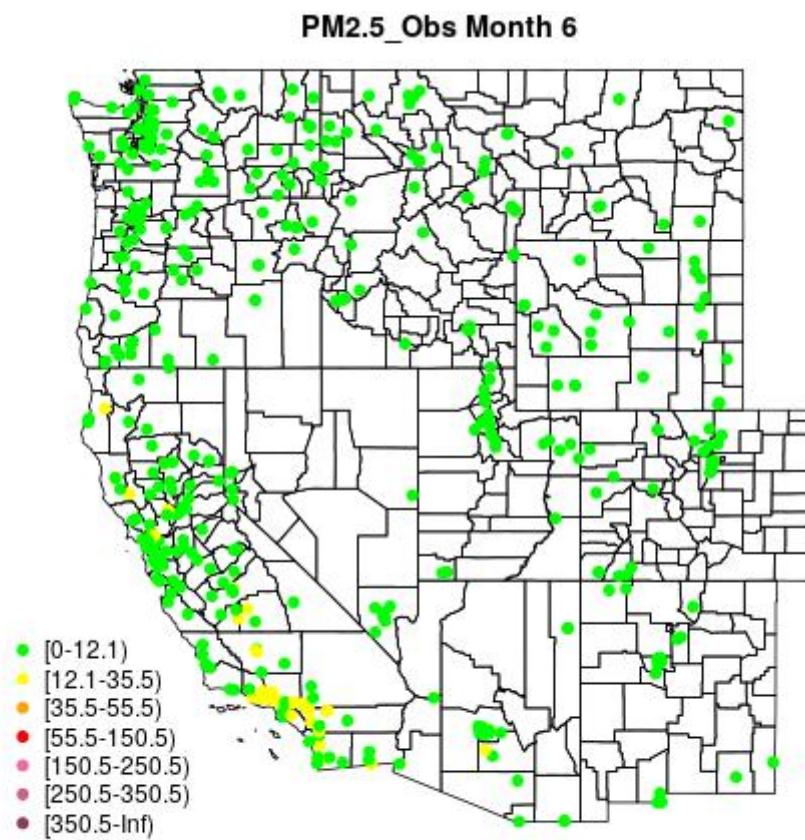


Figure 251: PM2.5-Obs Month 6

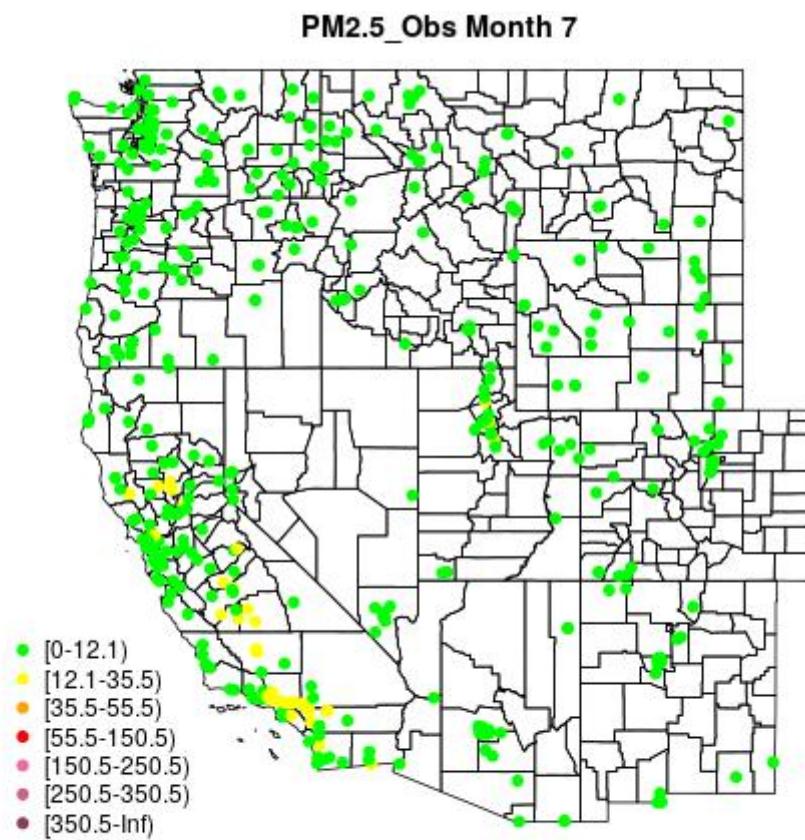


Figure 252: PM2.5-Obs Month 7

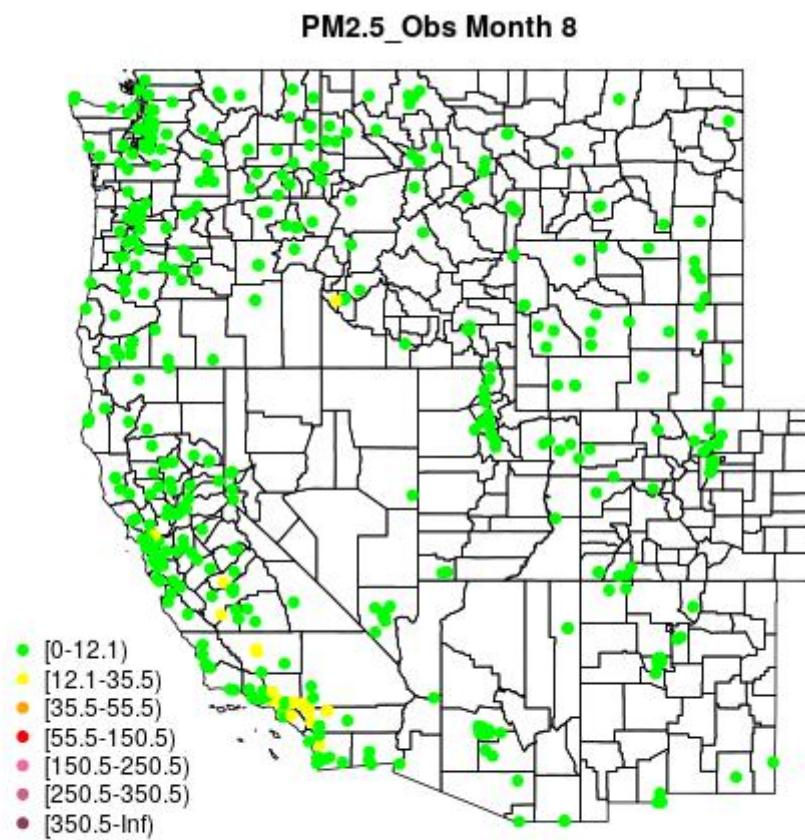


Figure 253: PM2.5-Obs Month 8

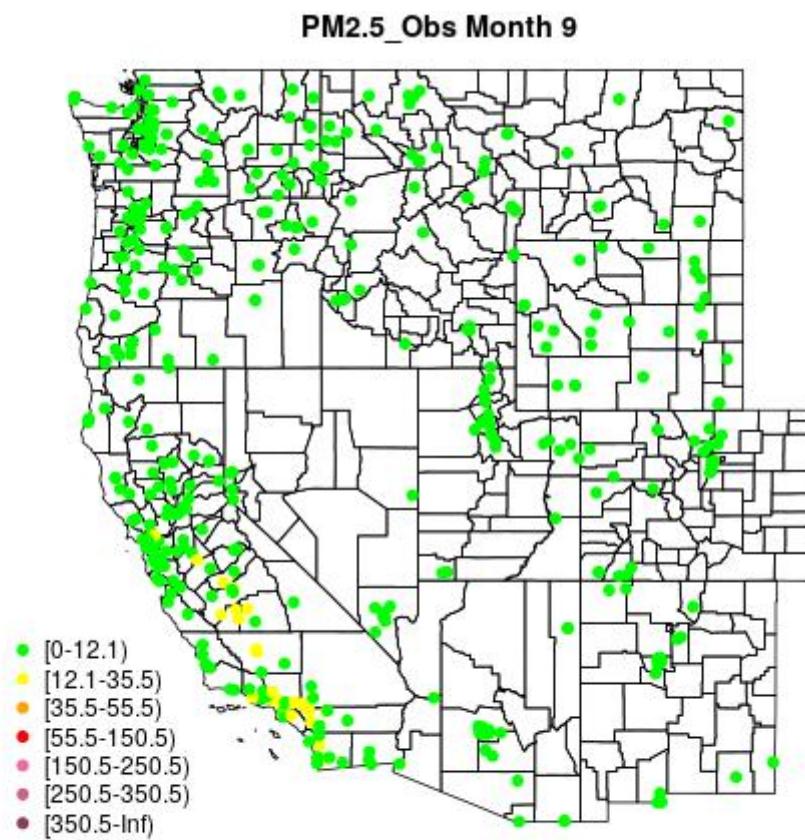


Figure 254: PM2.5-Obs Month 9

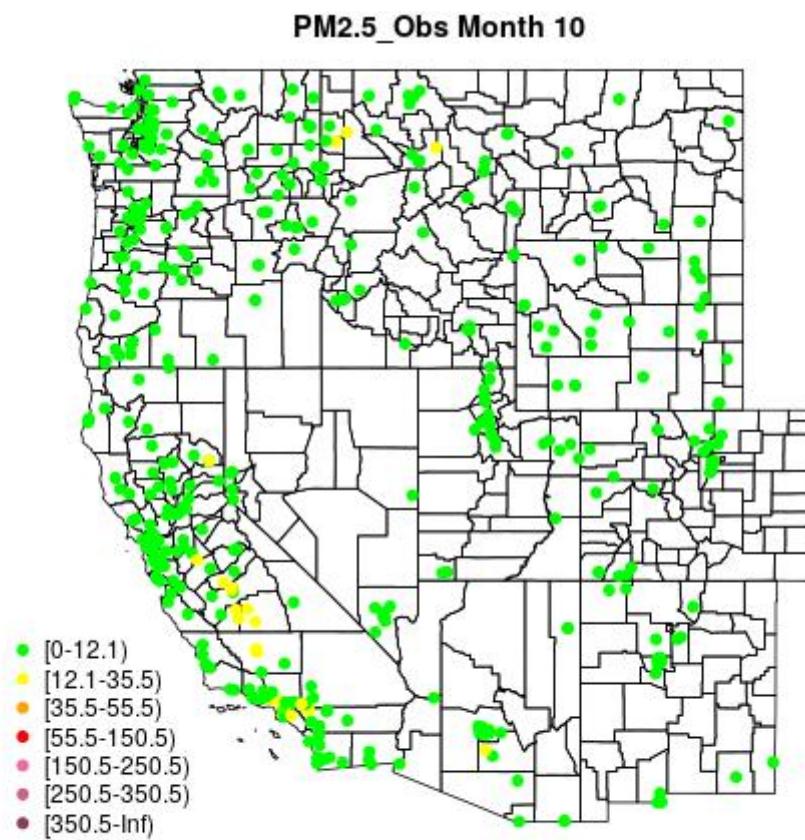


Figure 255: PM2.5-Obs Month 10

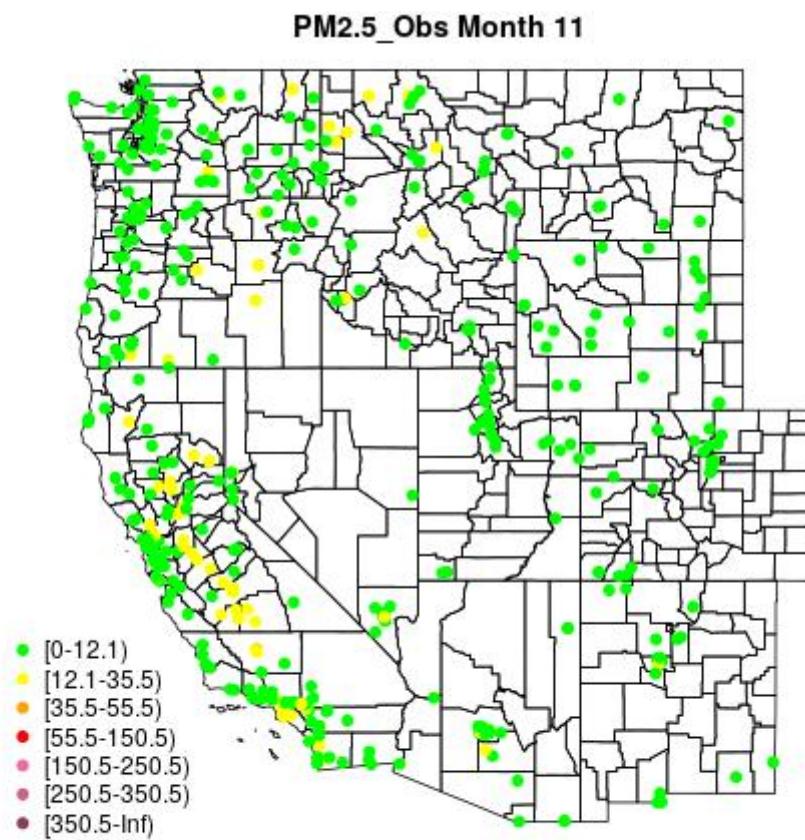


Figure 256: PM2.5-Obs Month 11

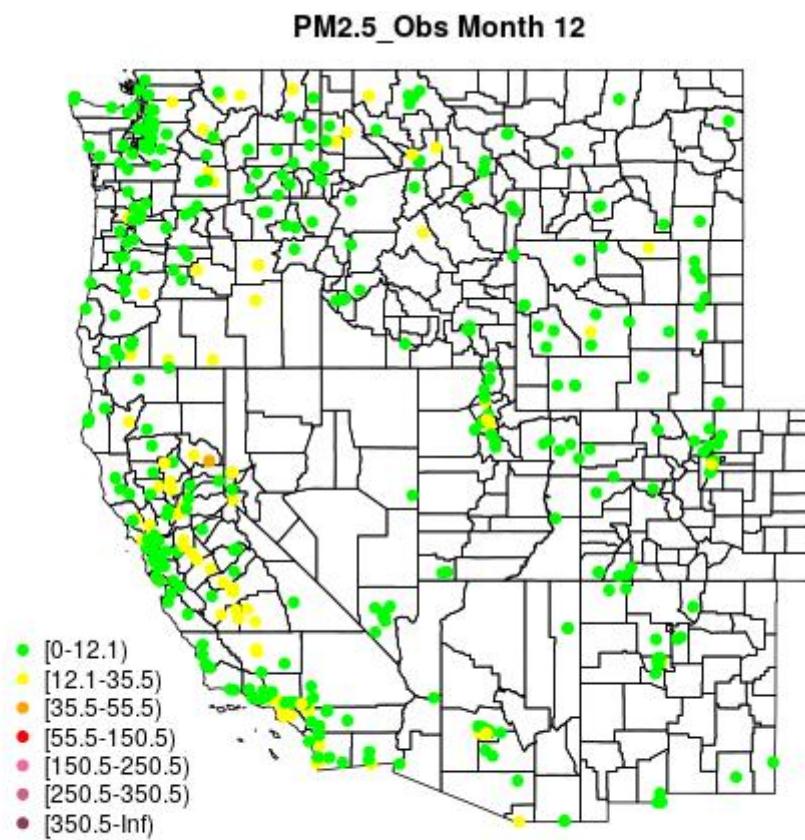


Figure 257: PM2.5-Obs Month 12

A_100 Month 1

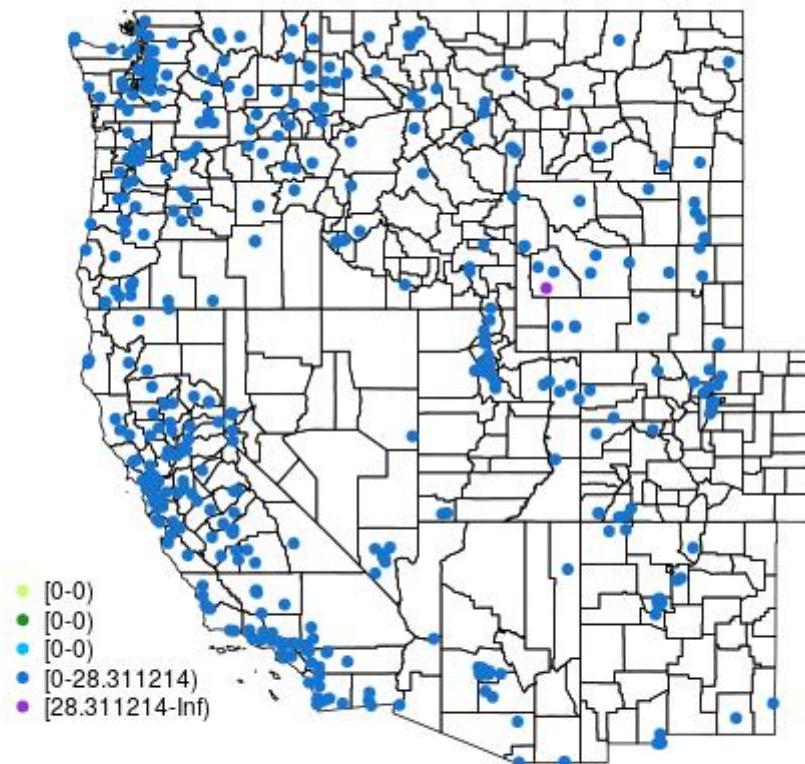


Figure 258: A-100 Month 1

A_100 Month 2

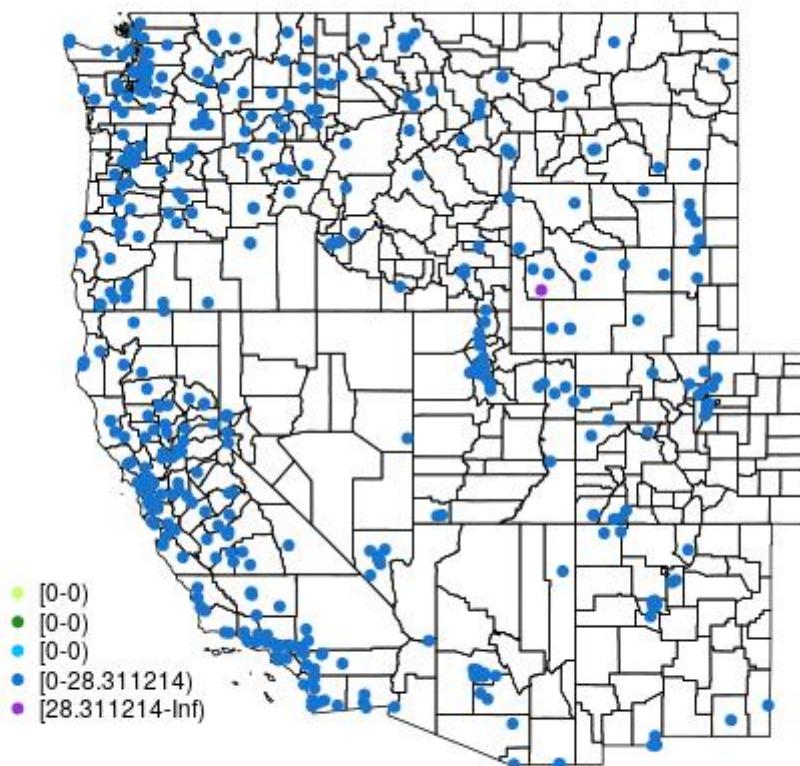


Figure 259: A-100 Month 2

A_100 Month 3

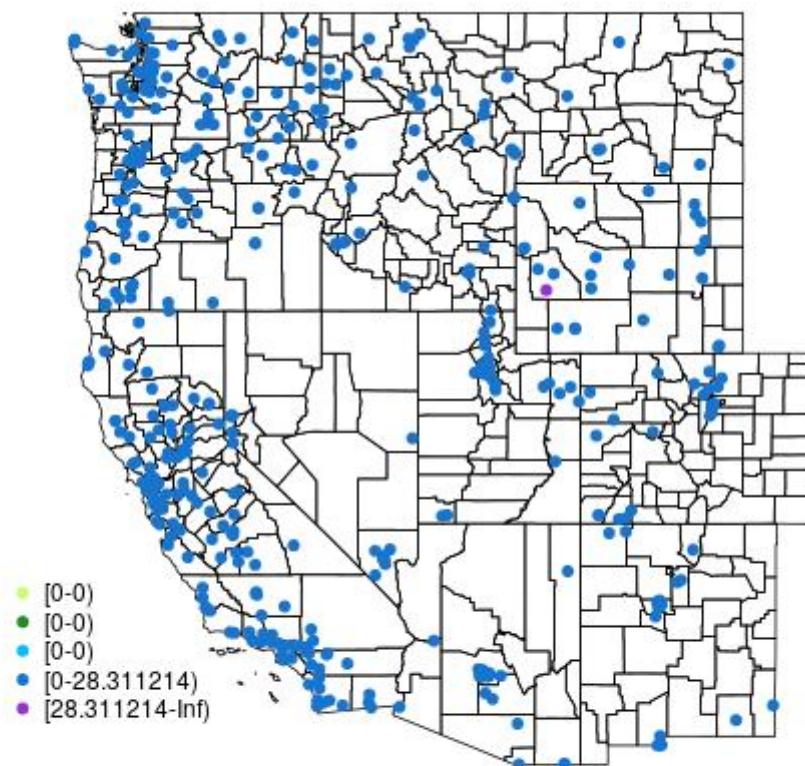


Figure 260: A-100 Month 3

A_100 Month 4

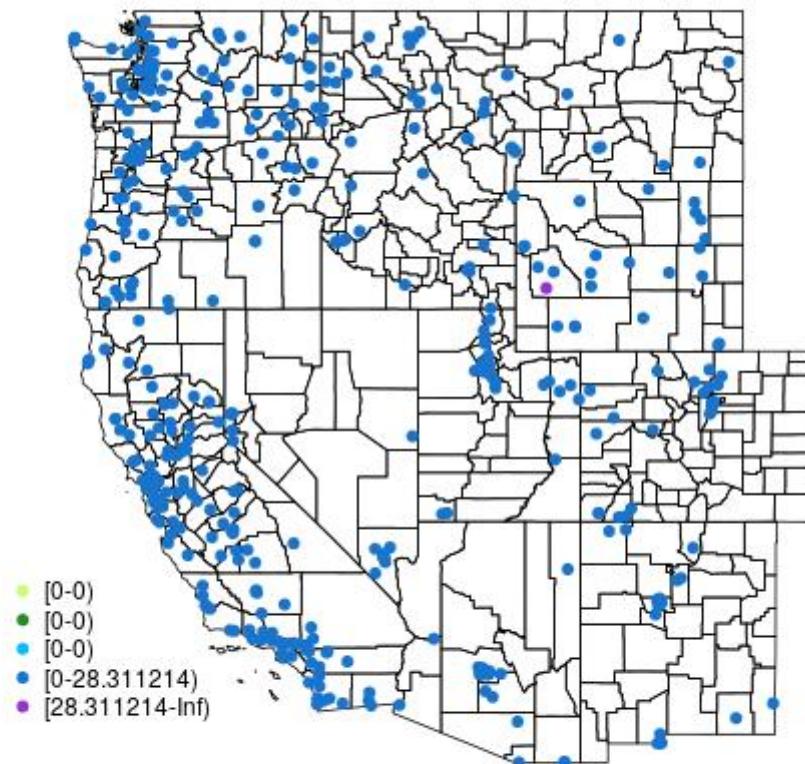


Figure 261: A-100 Month 4

A_100 Month 5

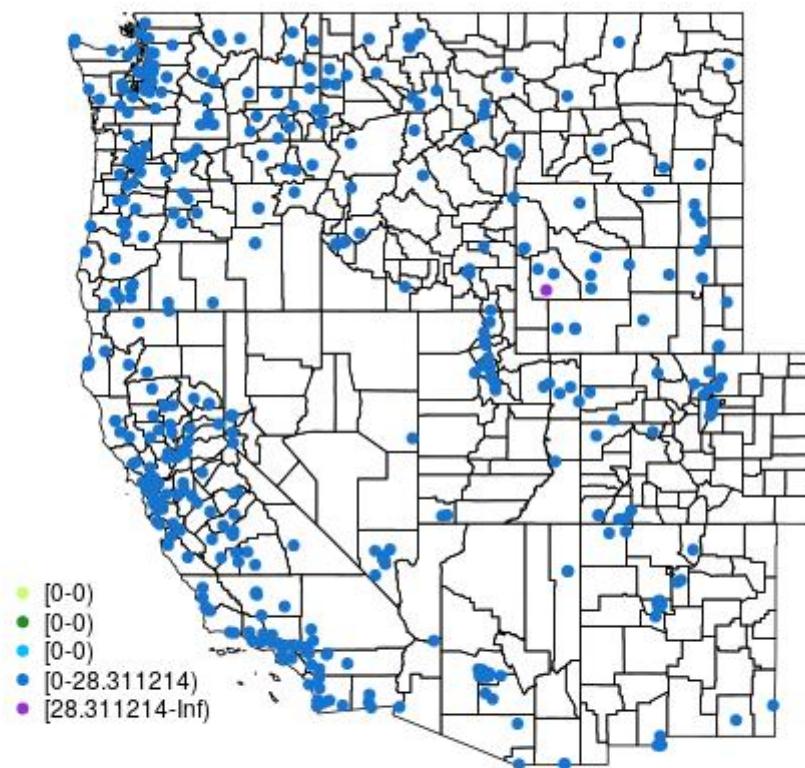


Figure 262: A-100 Month 5

A_100 Month 6

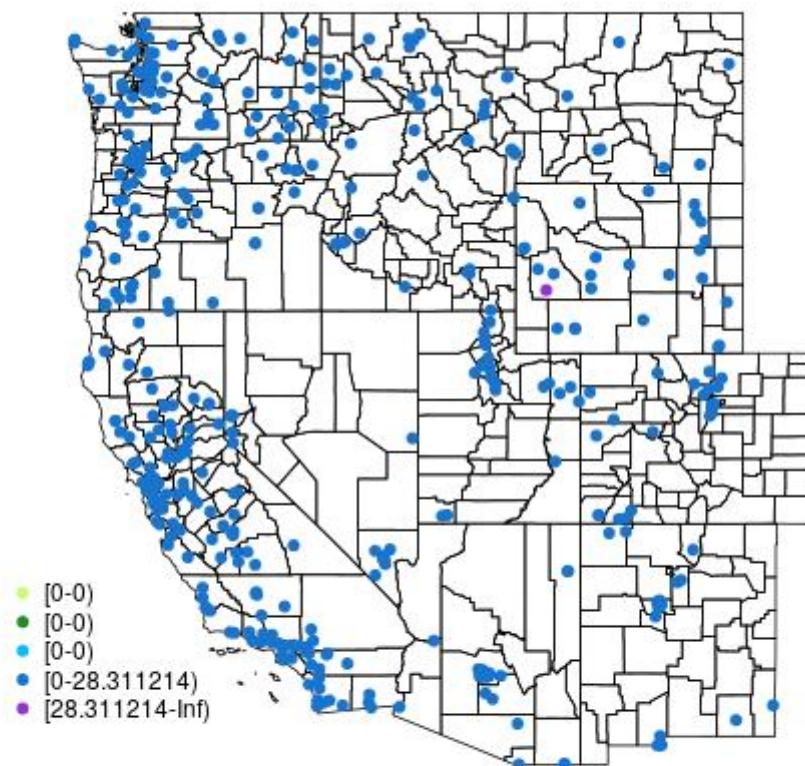


Figure 263: A-100 Month 6

A_100 Month 7

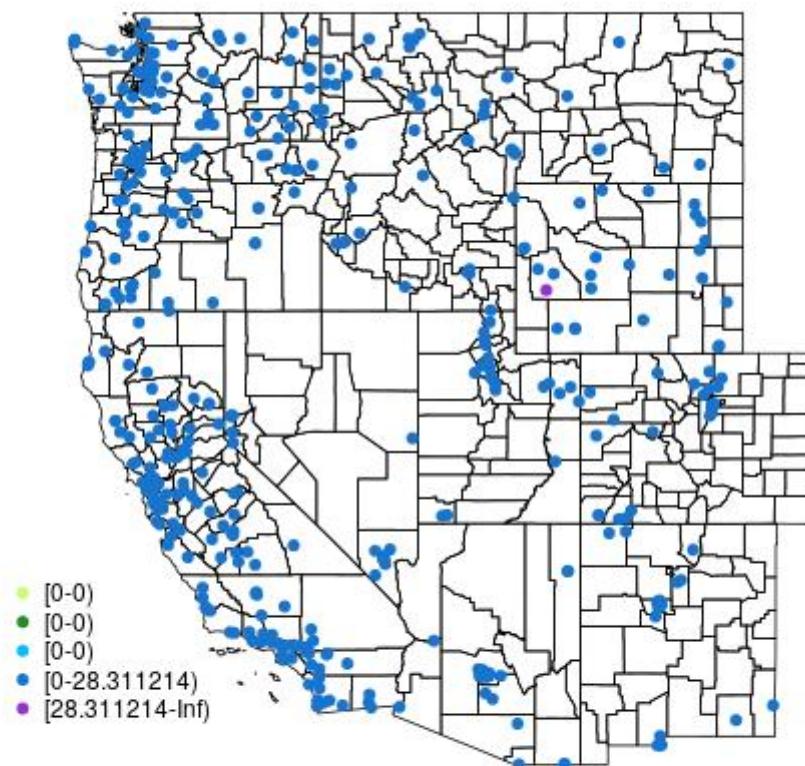


Figure 264: A-100 Month 7

A_100 Month 8

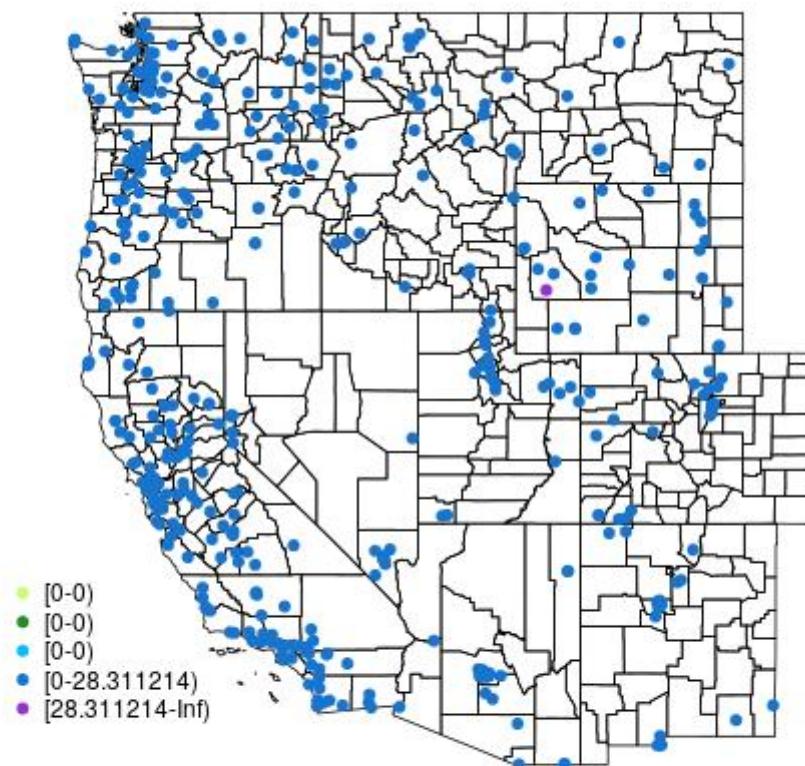


Figure 265: A-100 Month 8

A_100 Month 9

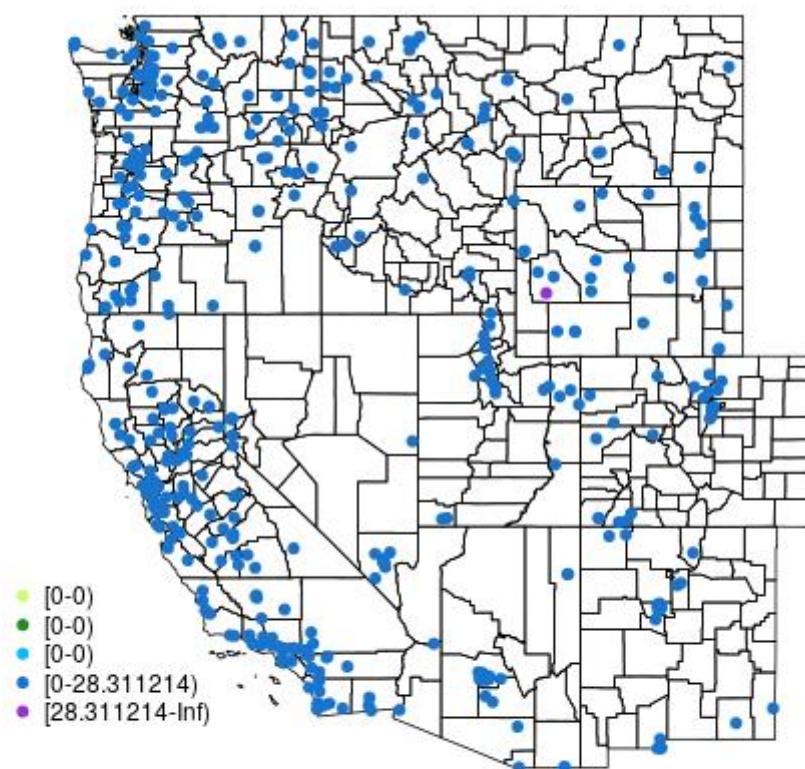


Figure 266: A-100 Month 9

A_100 Month 10

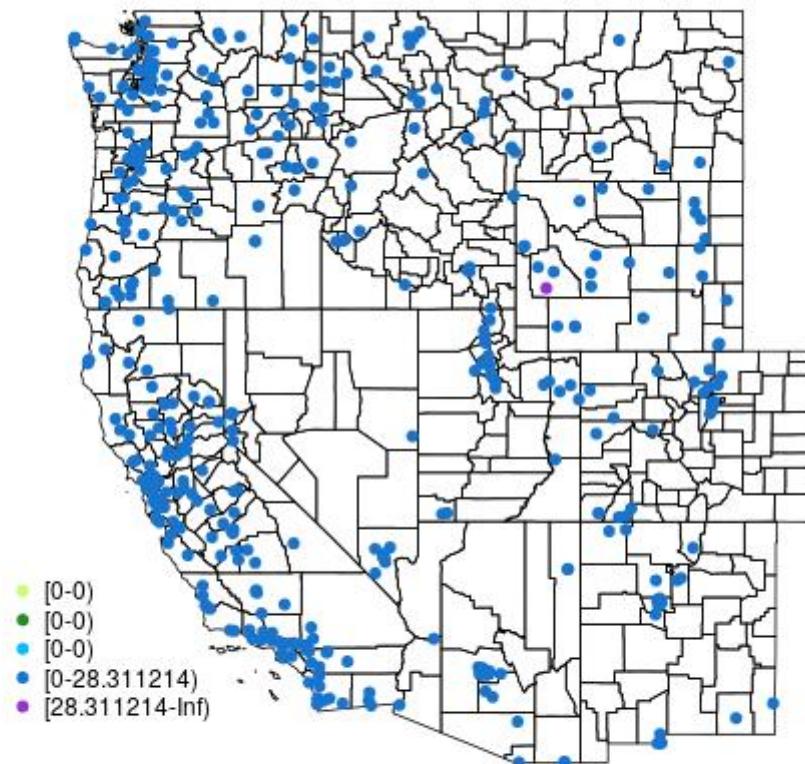


Figure 267: A-100 Month 10

A_100 Month 11

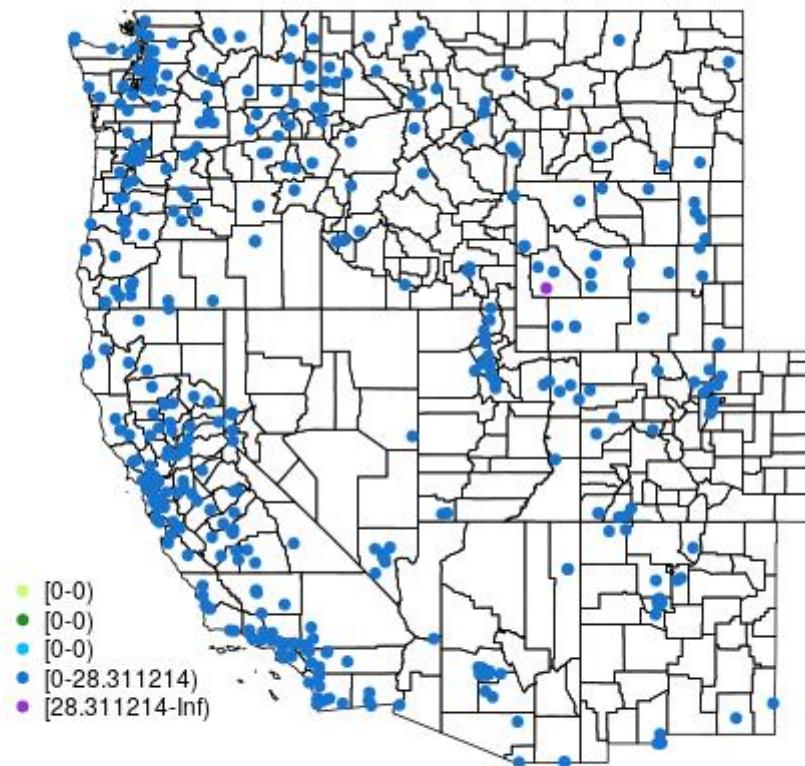


Figure 268: A-100 Month 11

A_100 Month 12

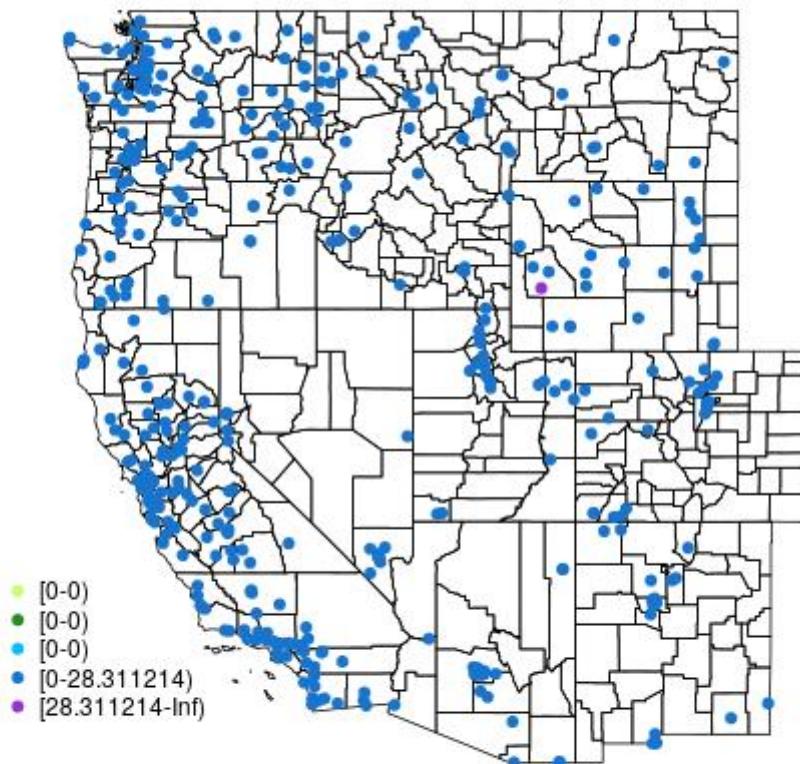


Figure 269: A-100 Month 12

C_100 Month 1

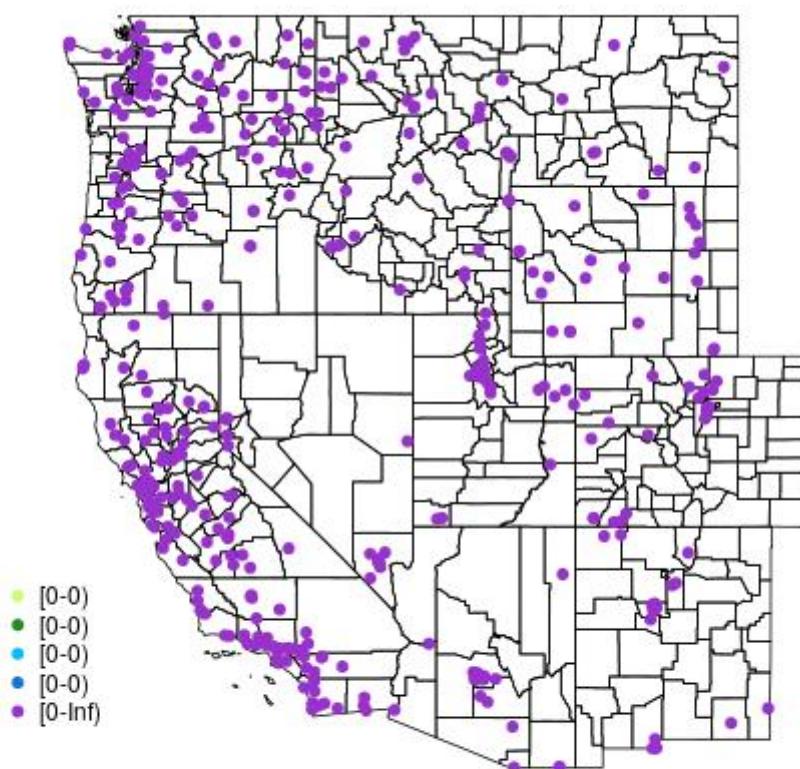


Figure 270: C-100 Month 1

C_100 Month 2

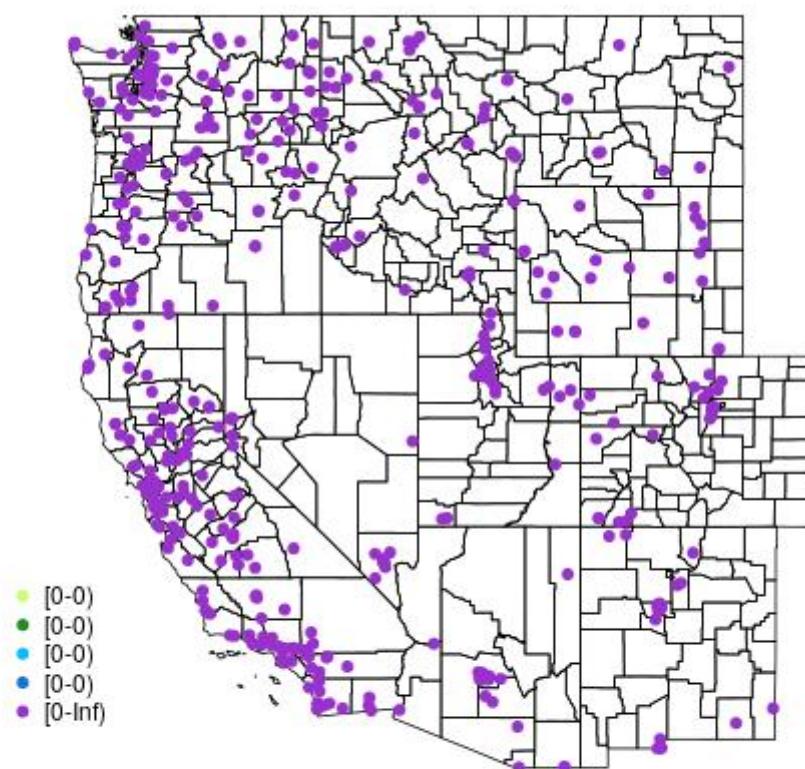


Figure 271: C-100 Month 2

C_100 Month 3

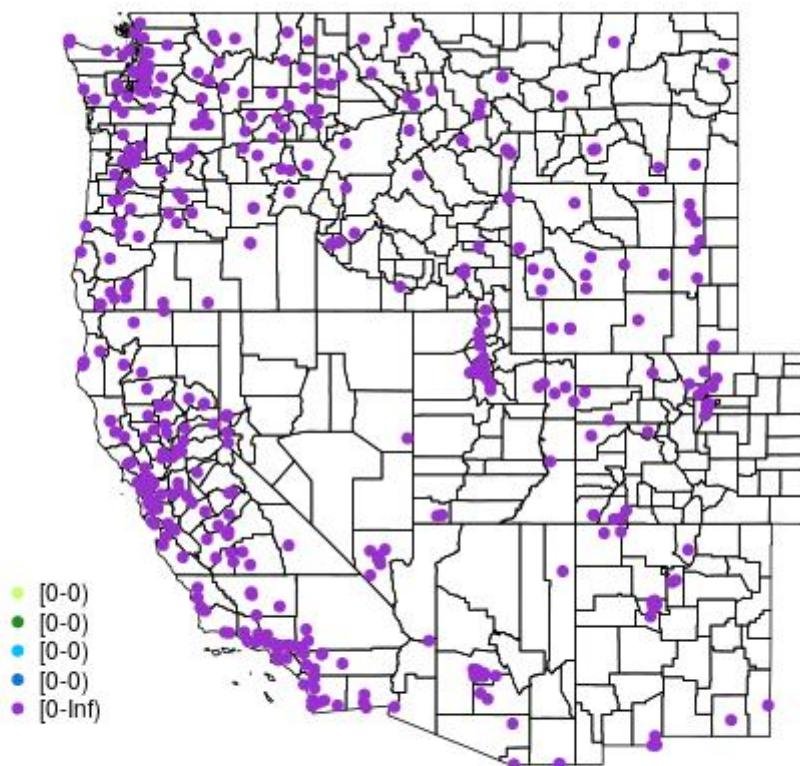


Figure 272: C-100 Month 3

C_100 Month 4

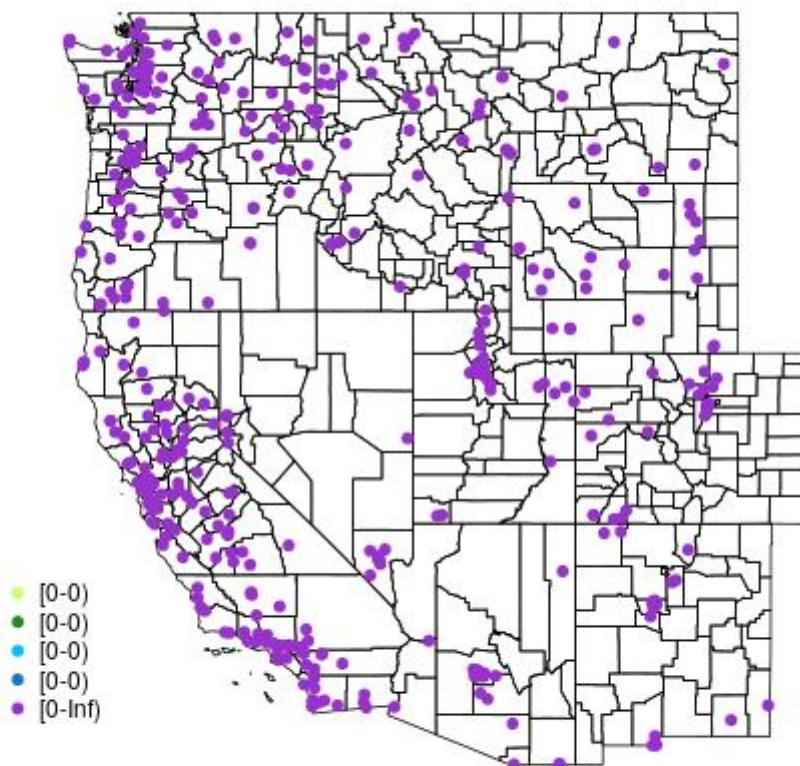


Figure 273: C-100 Month 4

C_100 Month 5

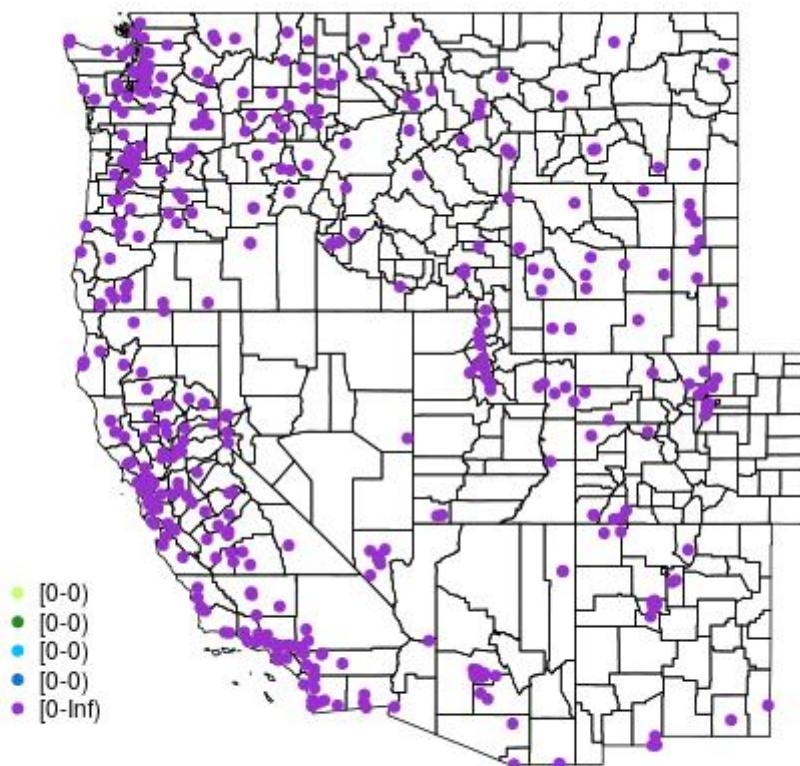


Figure 274: C-100 Month 5

C_100 Month 6

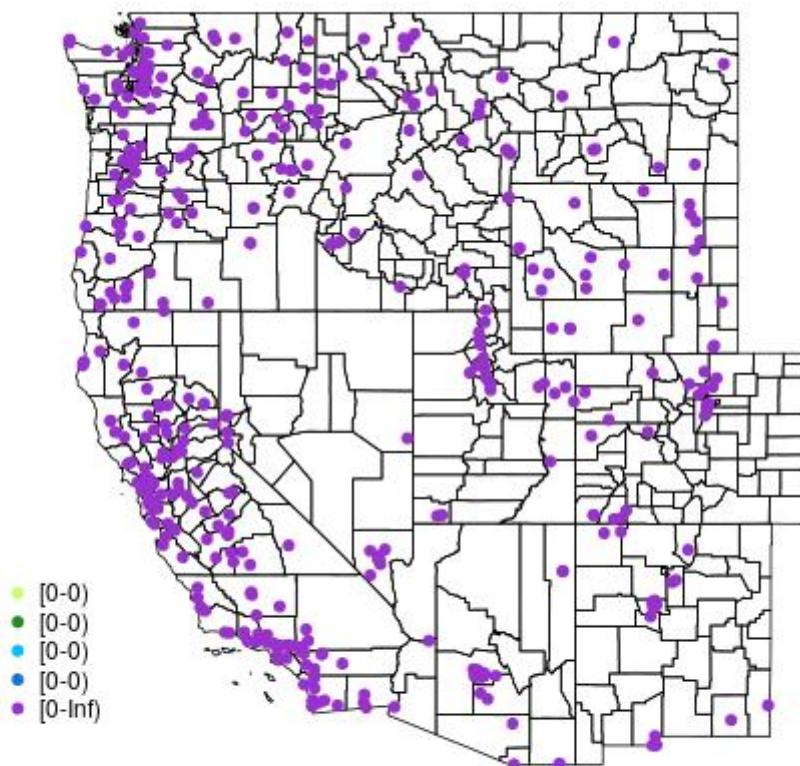


Figure 275: C-100 Month 6

C_100 Month 7

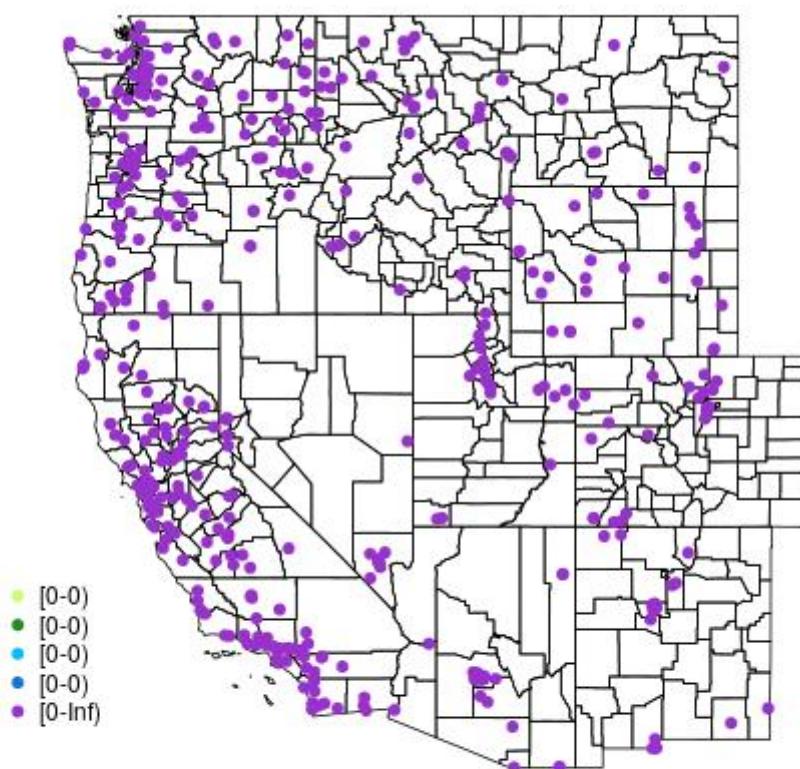


Figure 276: C-100 Month 7

C_100 Month 8

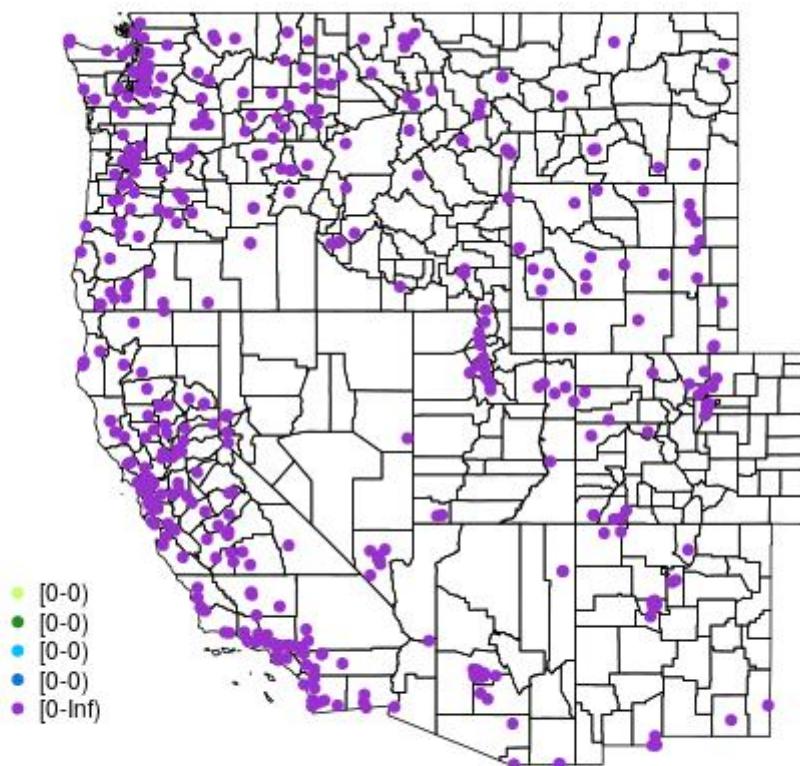


Figure 277: C-100 Month 8

C_100 Month 9

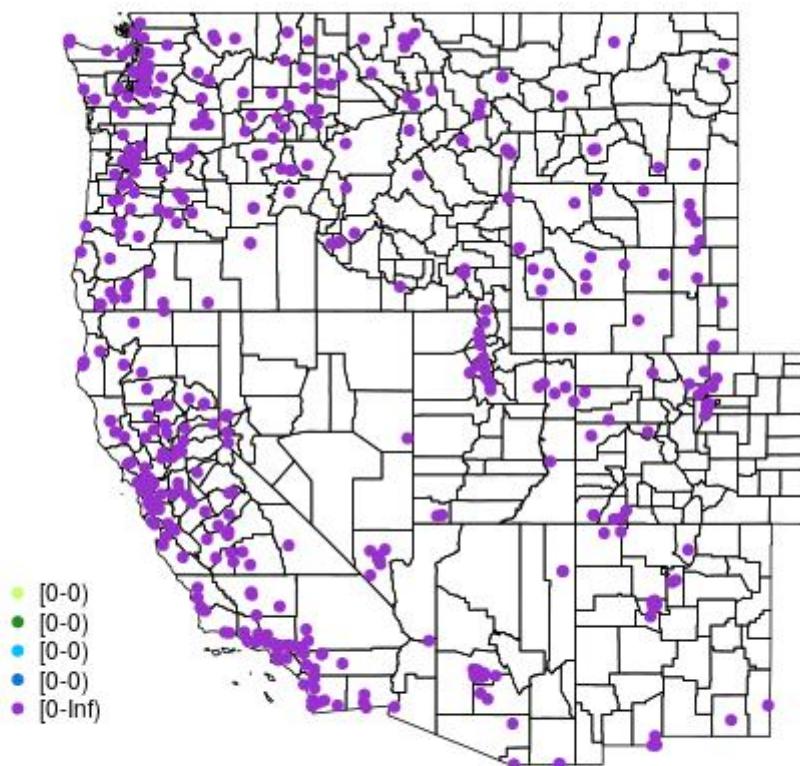


Figure 278: C-100 Month 9

C_100 Month 10

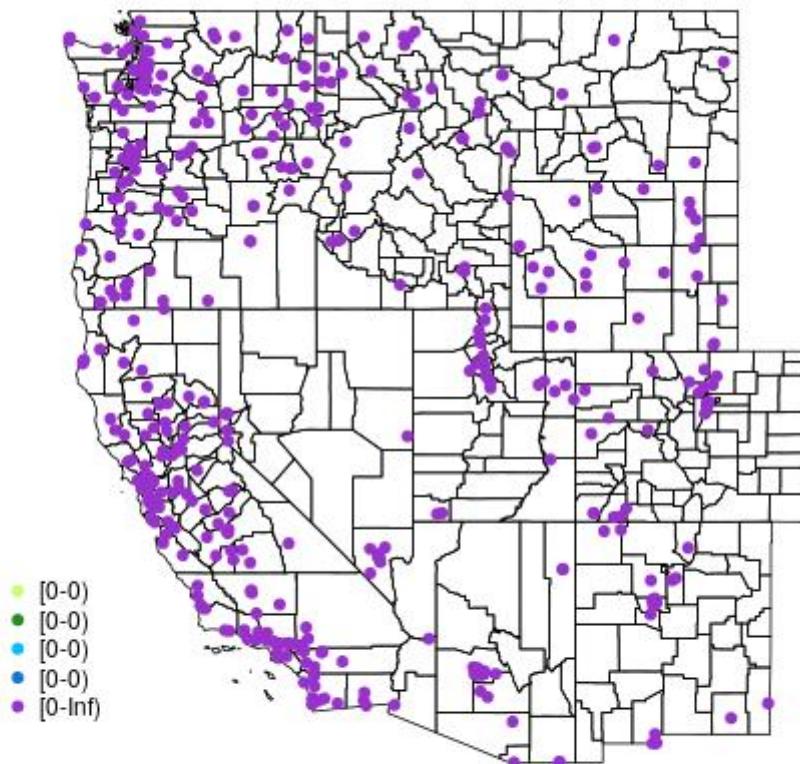


Figure 279: C-100 Month 10

C_100 Month 11

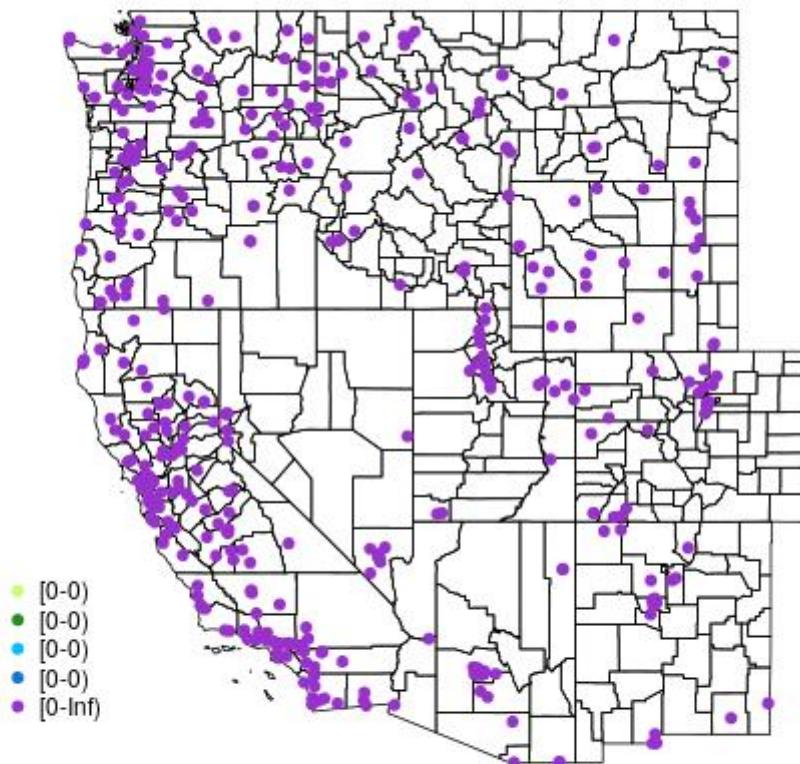


Figure 280: C-100 Month 11

C_100 Month 12

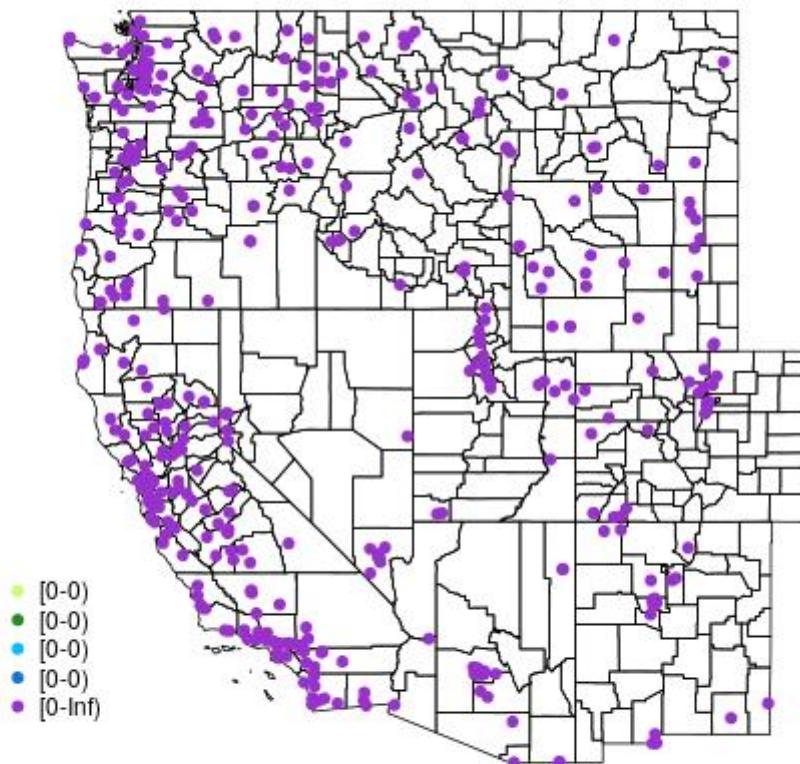


Figure 281: C-100 Month 12

Both_100 Month 1

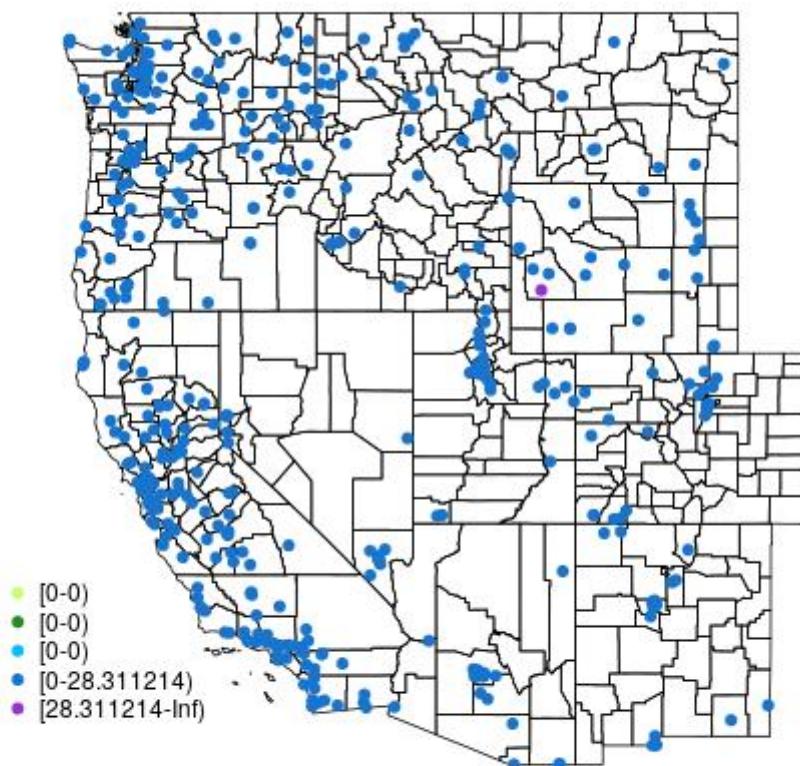


Figure 282: Both-100 Month 1

Both_100 Month 2

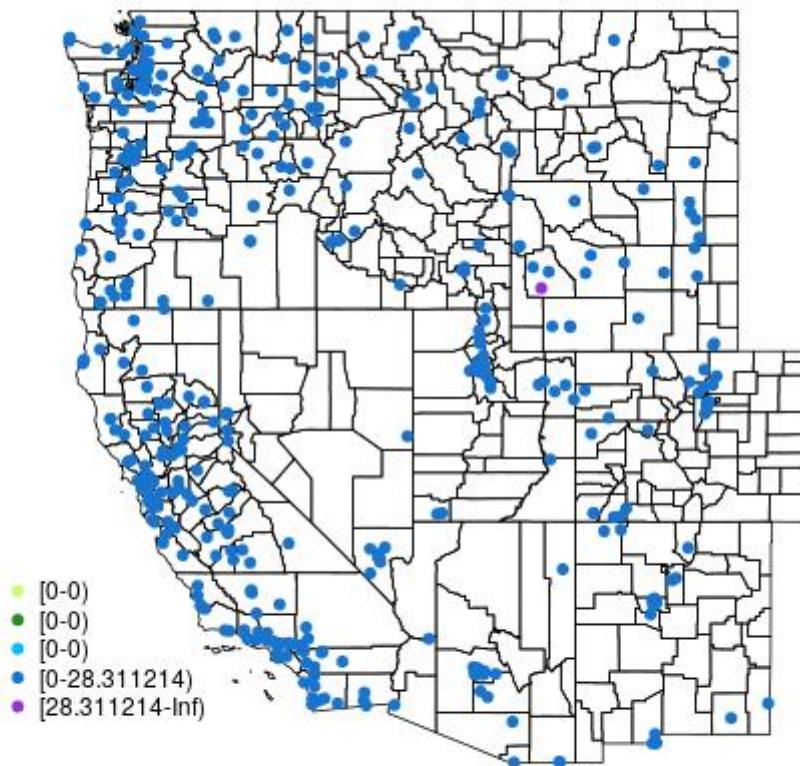


Figure 283: Both-100 Month 2

Both_100 Month 3

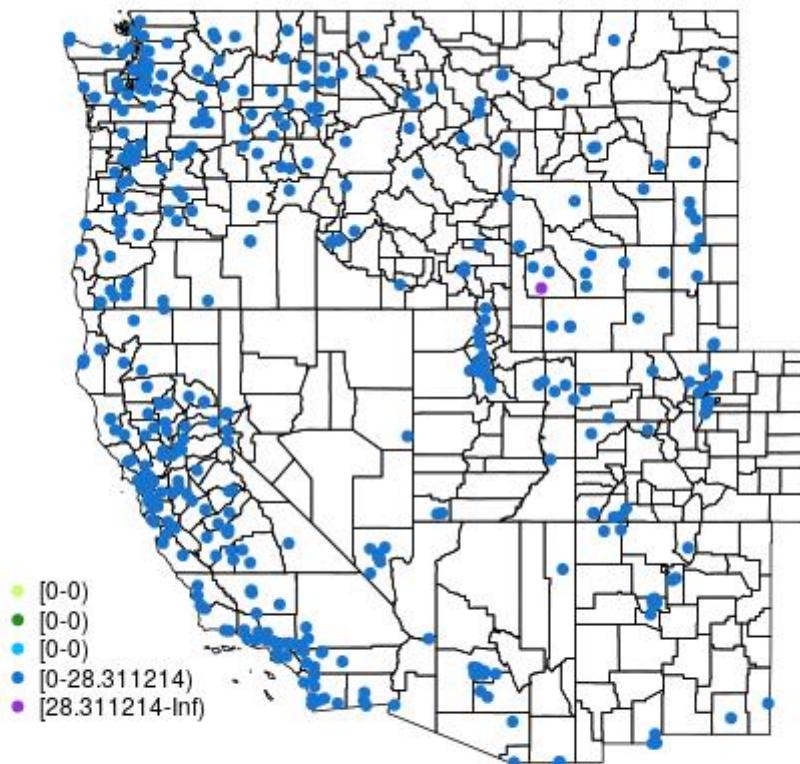


Figure 284: Both-100 Month 3

Both_100 Month 4

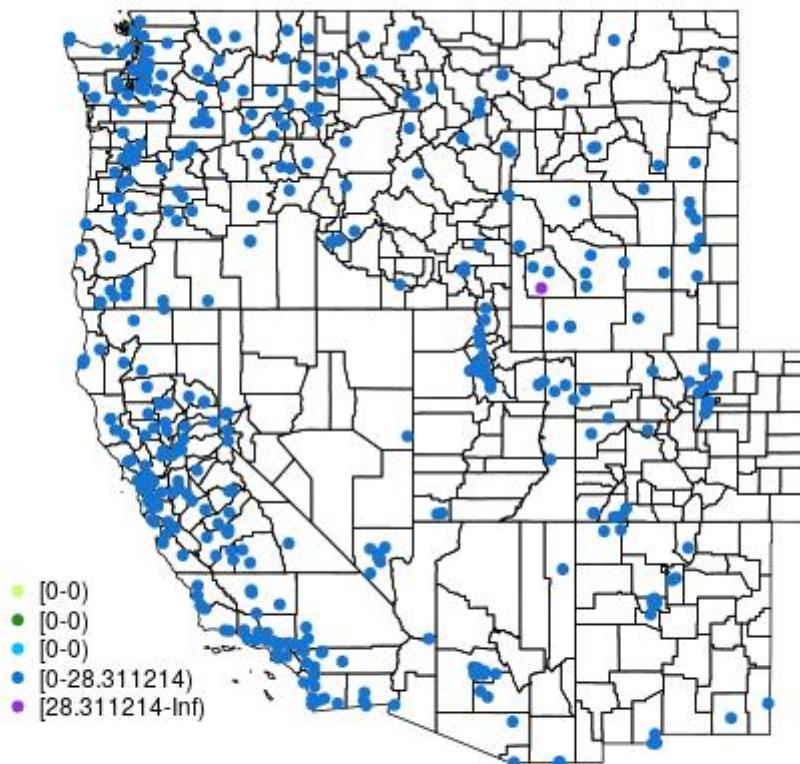


Figure 285: Both-100 Month 4

Both_100 Month 5

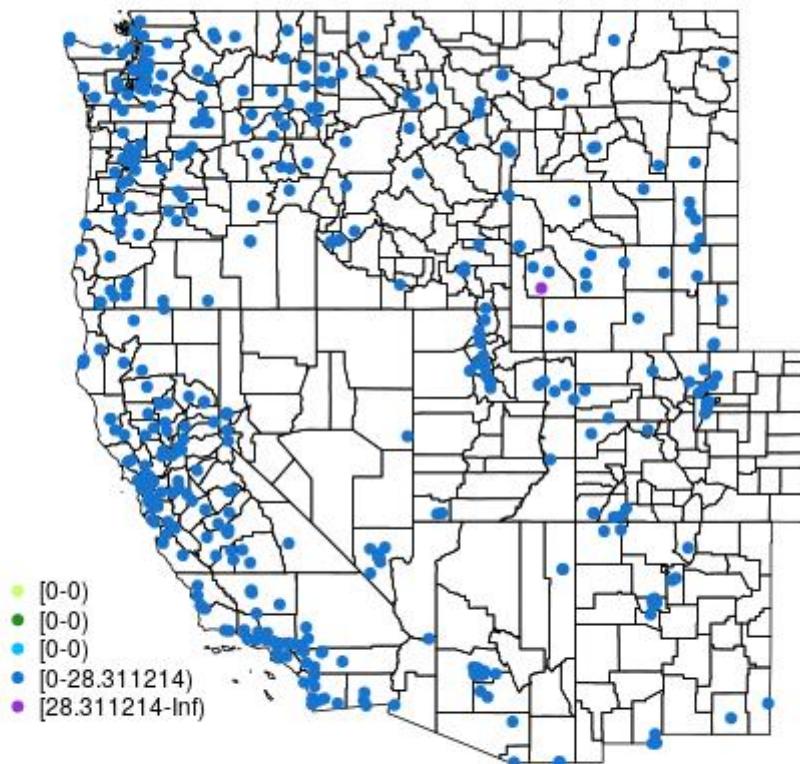


Figure 286: Both-100 Month 5

Both_100 Month 6

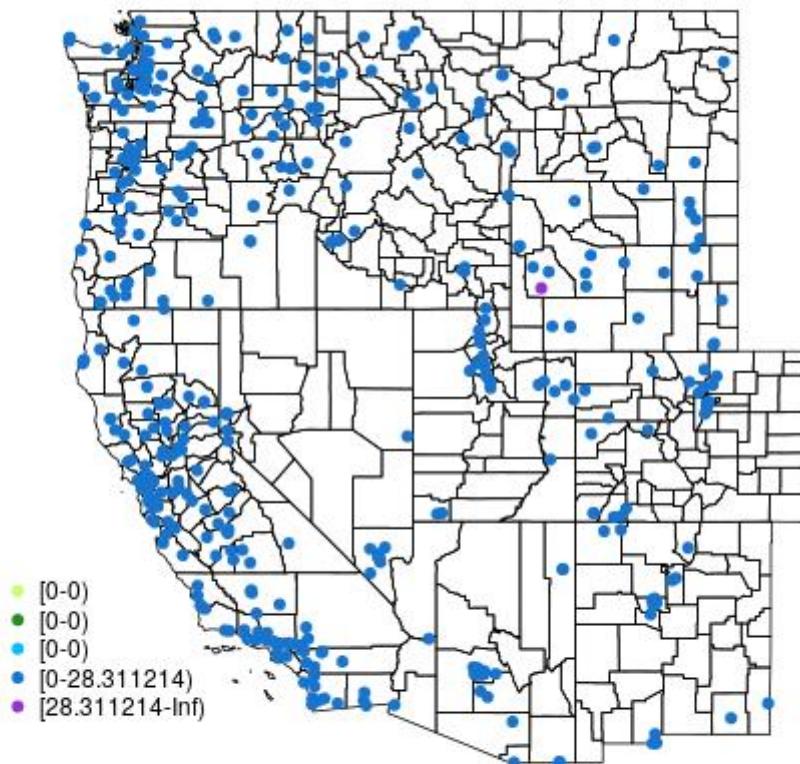


Figure 287: Both-100 Month 6

Both_100 Month 7

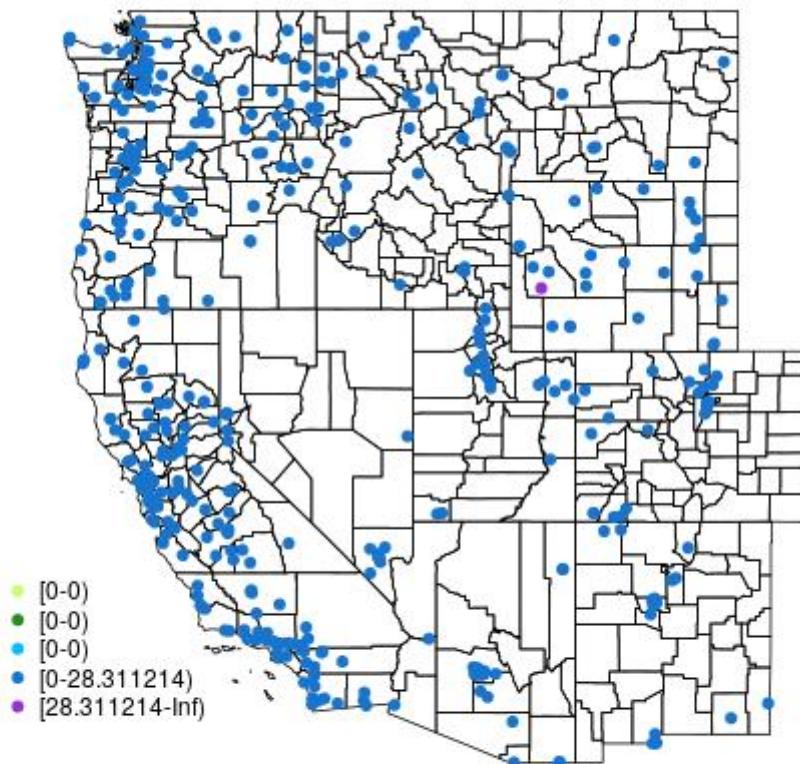


Figure 288: Both-100 Month 7

Both_100 Month 8

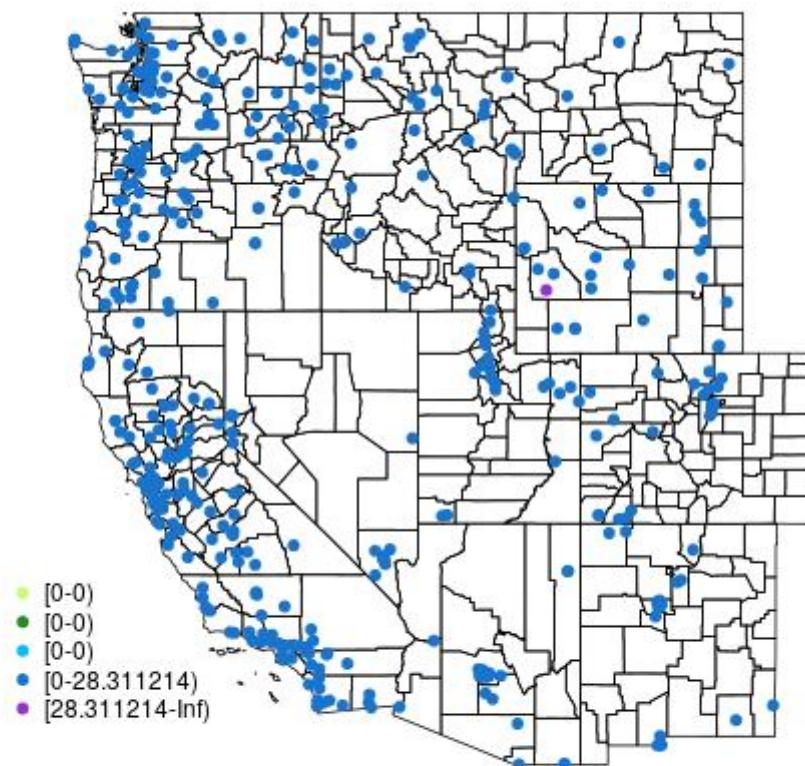


Figure 289: Both-100 Month 8

Both_100 Month 9

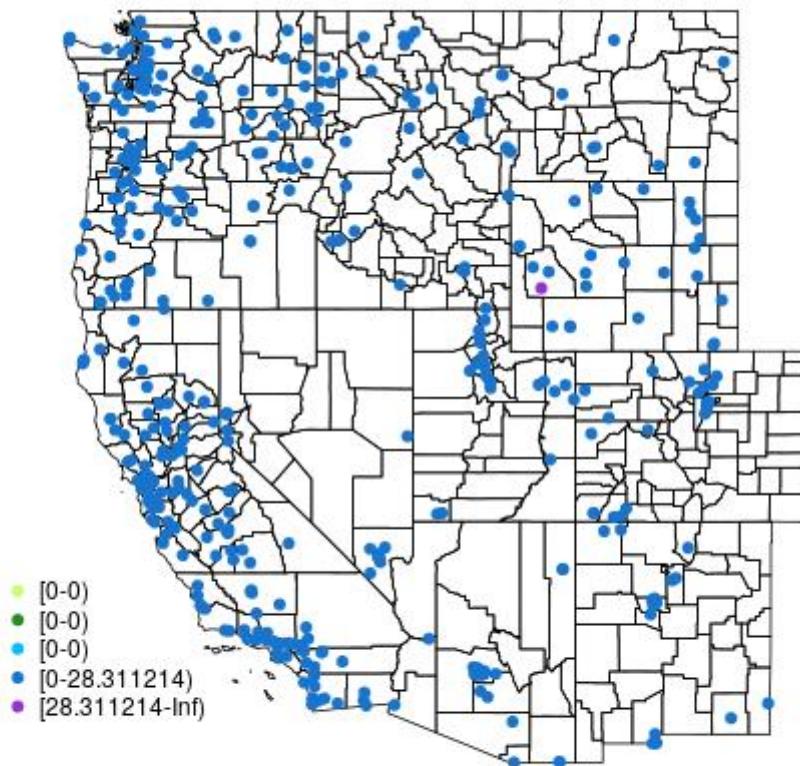


Figure 290: Both-100 Month 9

Both_100 Month 10

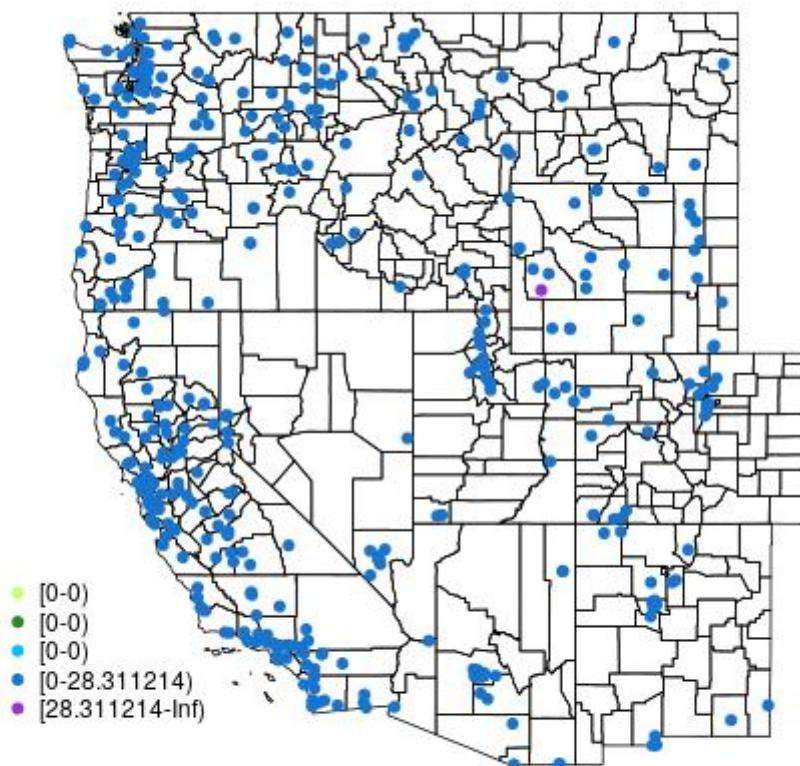


Figure 291: Both-100 Month 10

Both_100 Month 11

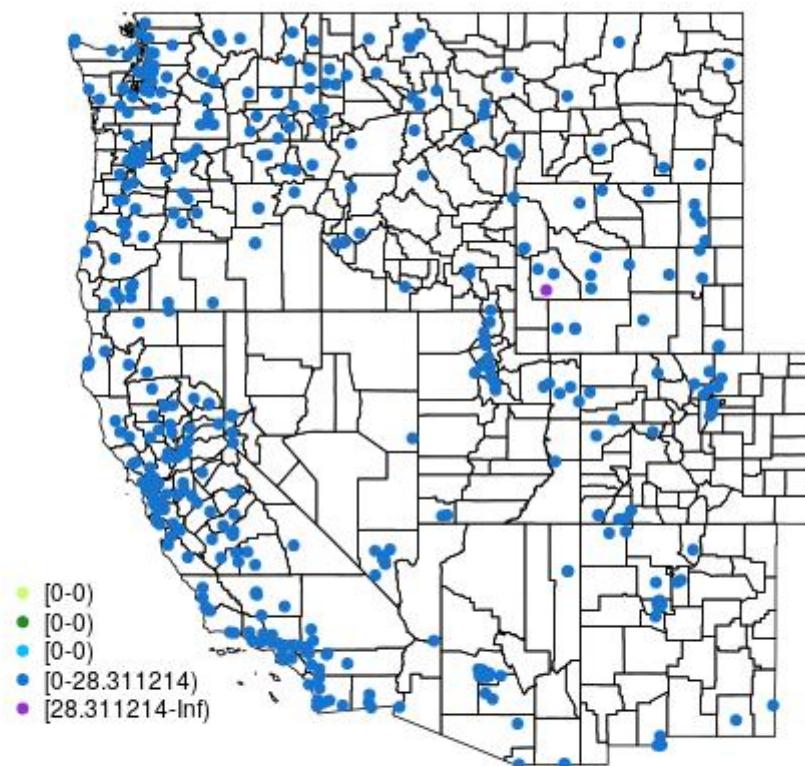


Figure 292: Both-100 Month 11

Both_100 Month 12

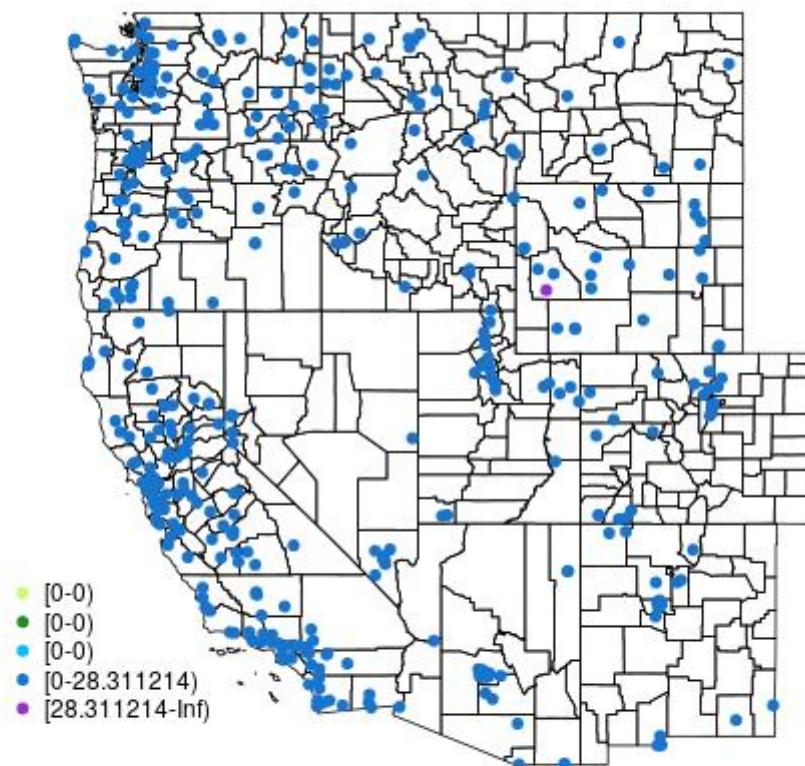


Figure 293: Both-100 Month 12

A_250 Month 1

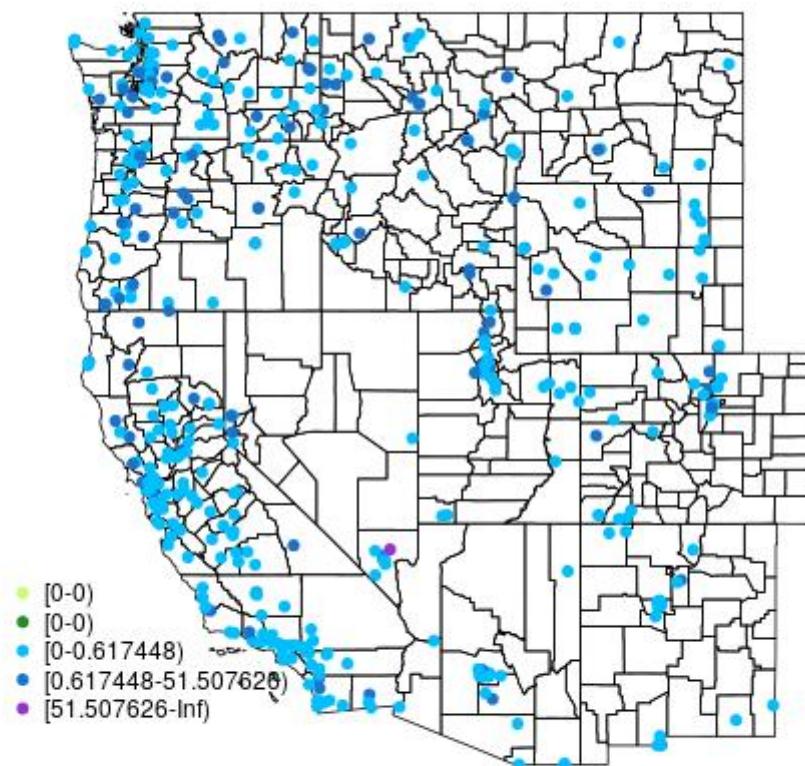


Figure 294: A-250 Month 1

A_250 Month 2

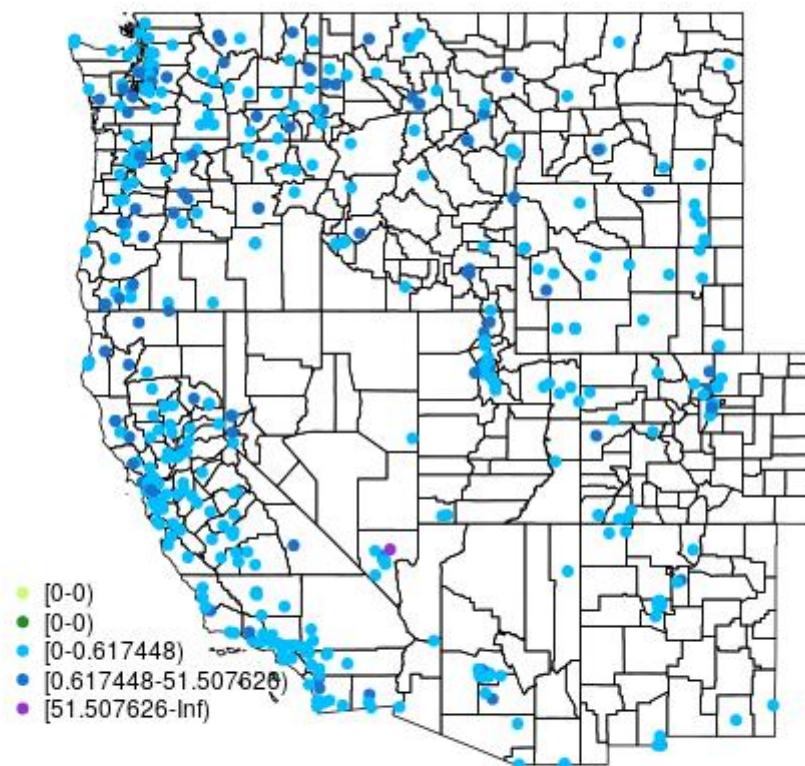


Figure 295: A-250 Month 2

A_250 Month 3

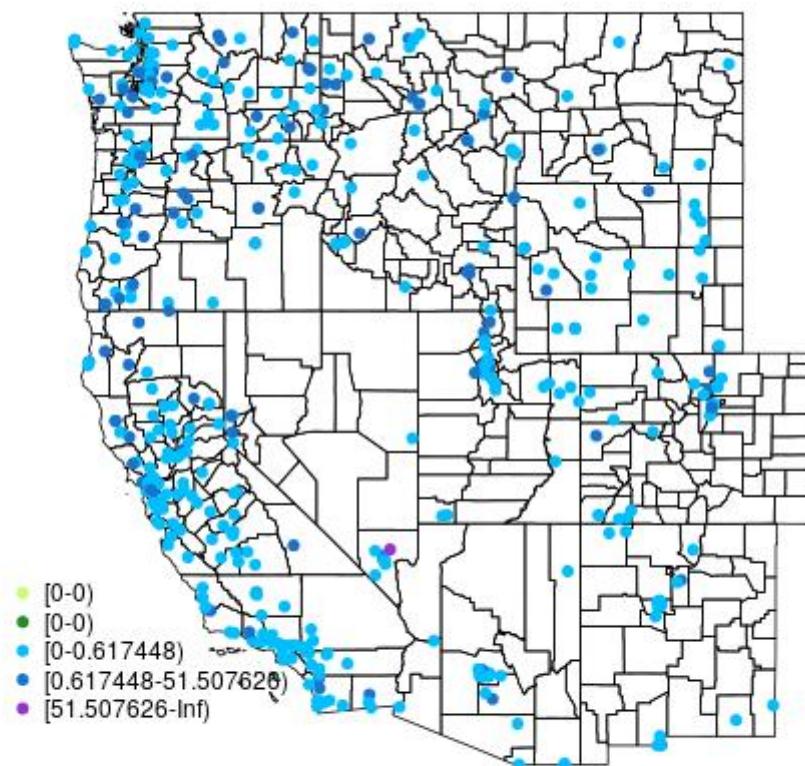


Figure 296: A-250 Month 3

A_250 Month 4

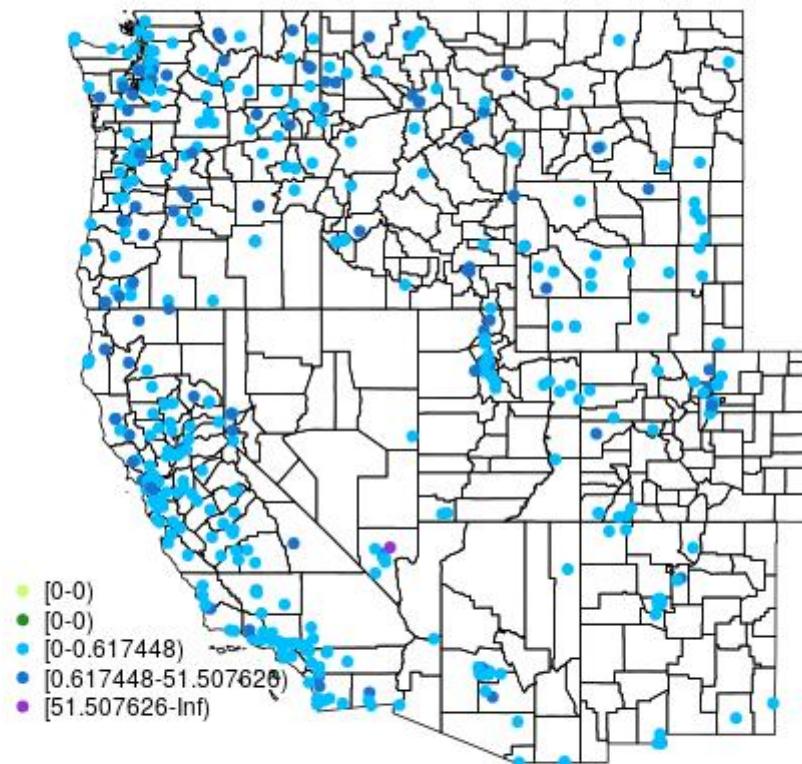


Figure 297: A-250 Month 4

A_250 Month 5

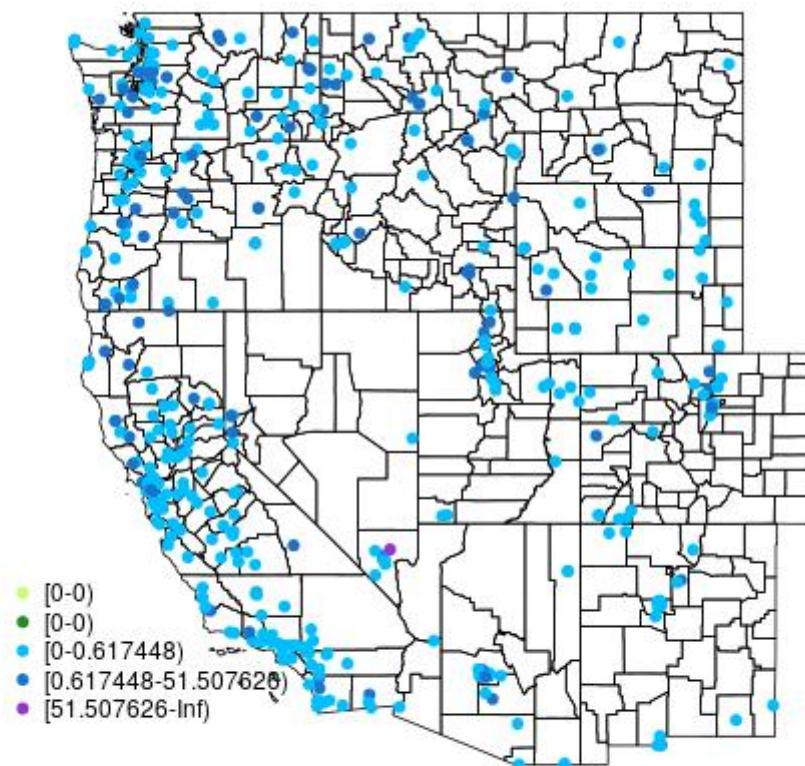


Figure 298: A-250 Month 5

A_250 Month 6

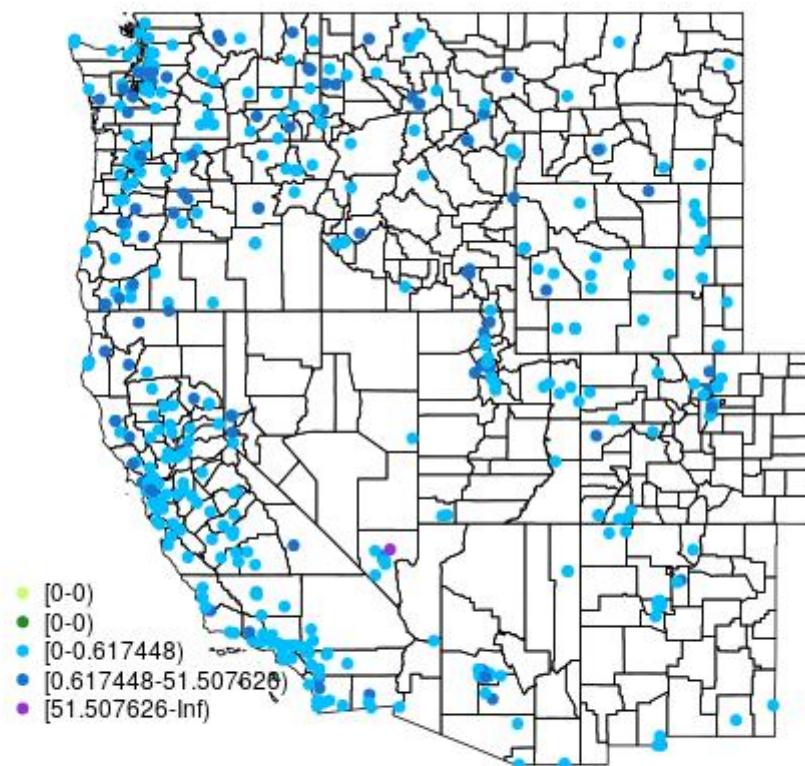


Figure 299: A-250 Month 6

A_250 Month 7

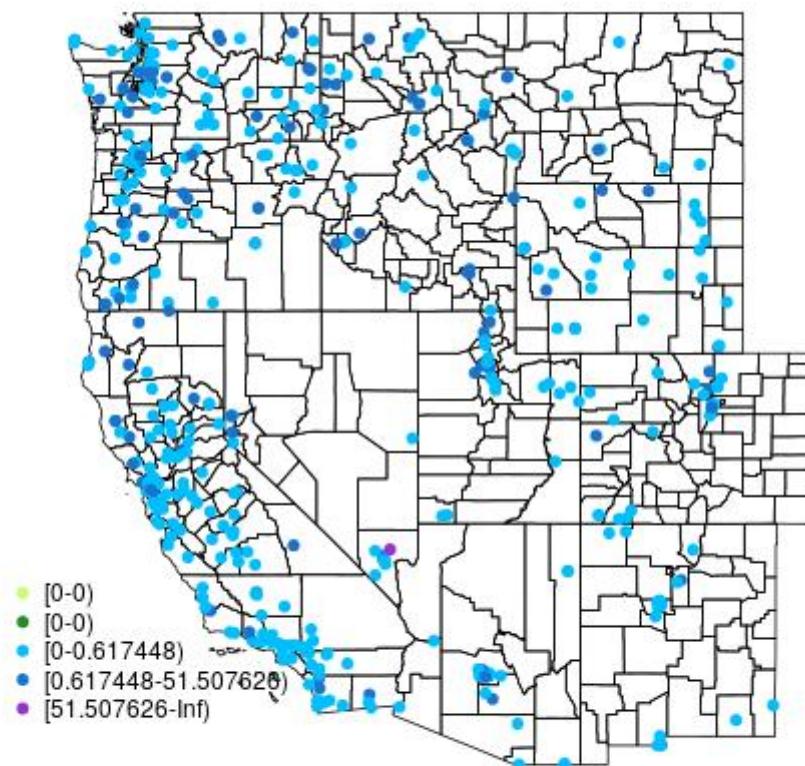


Figure 300: A-250 Month 7

A_250 Month 8

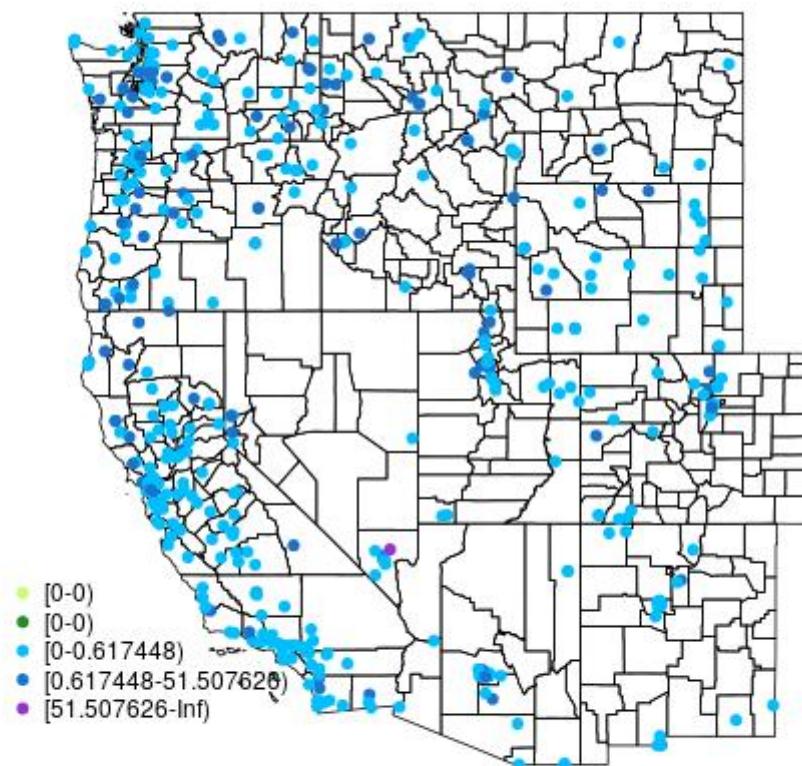


Figure 301: A-250 Month 8

A_250 Month 9

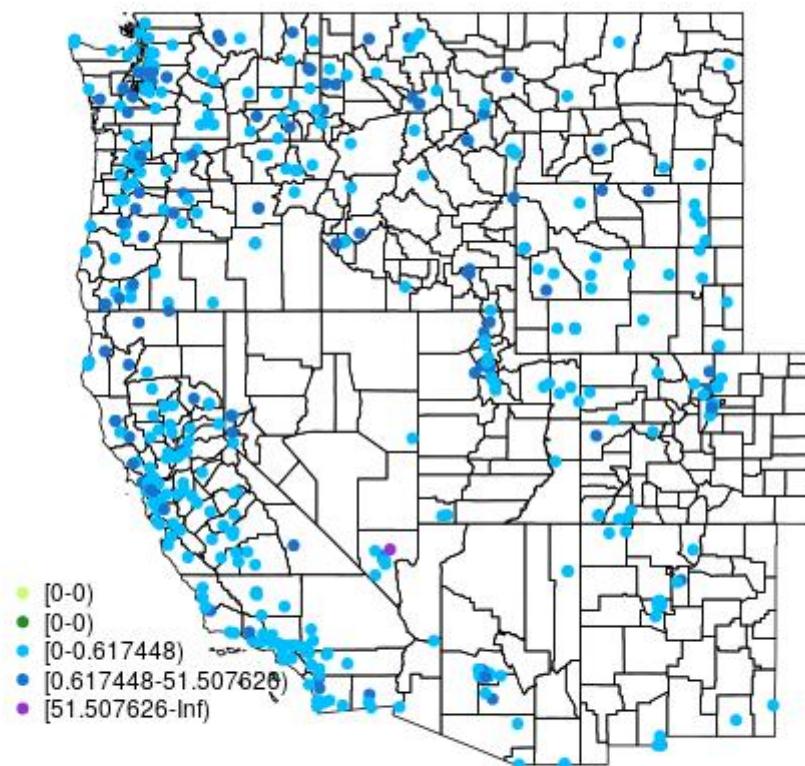


Figure 302: A-250 Month 9

A_250 Month 10

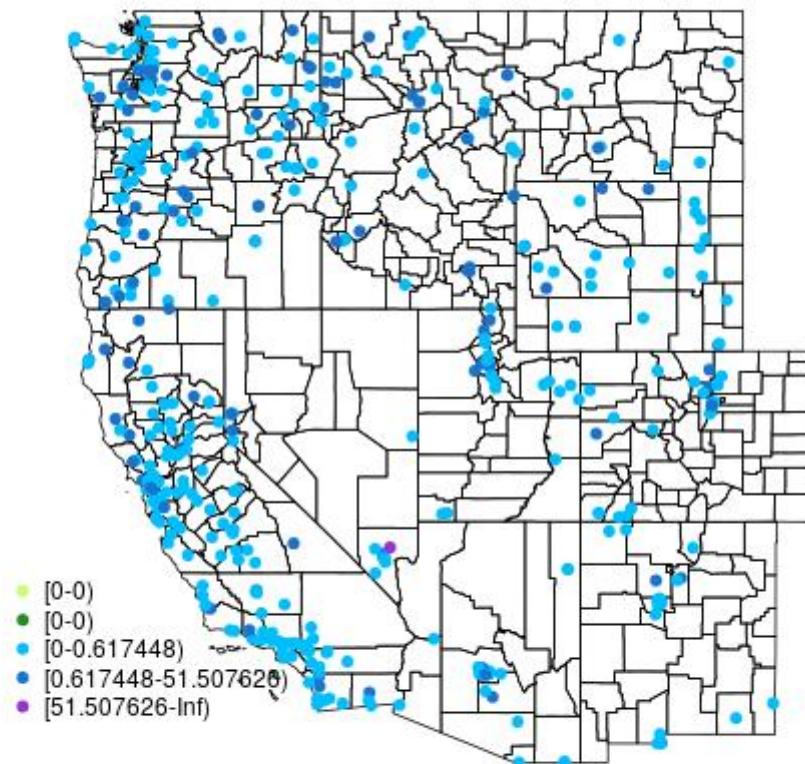


Figure 303: A-250 Month 10

A_250 Month 11

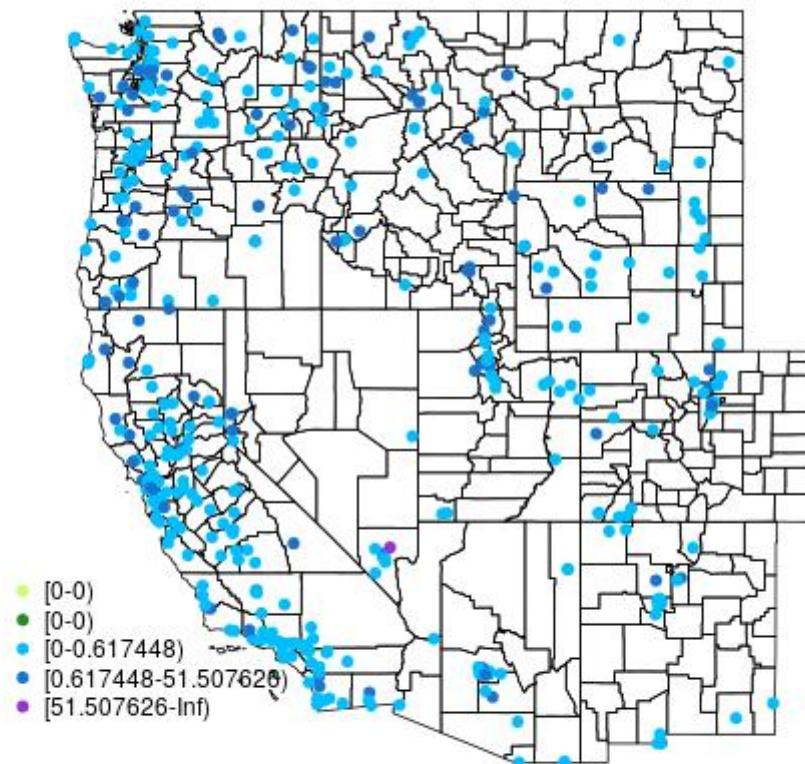


Figure 304: A-250 Month 11

A_250 Month 12

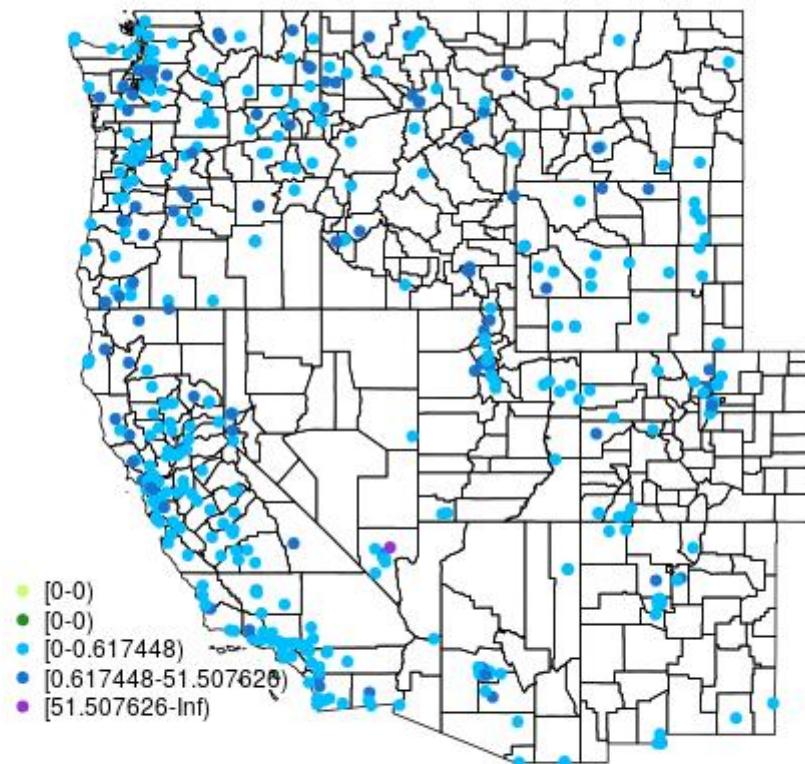


Figure 305: A-250 Month 12

C_250 Month 1

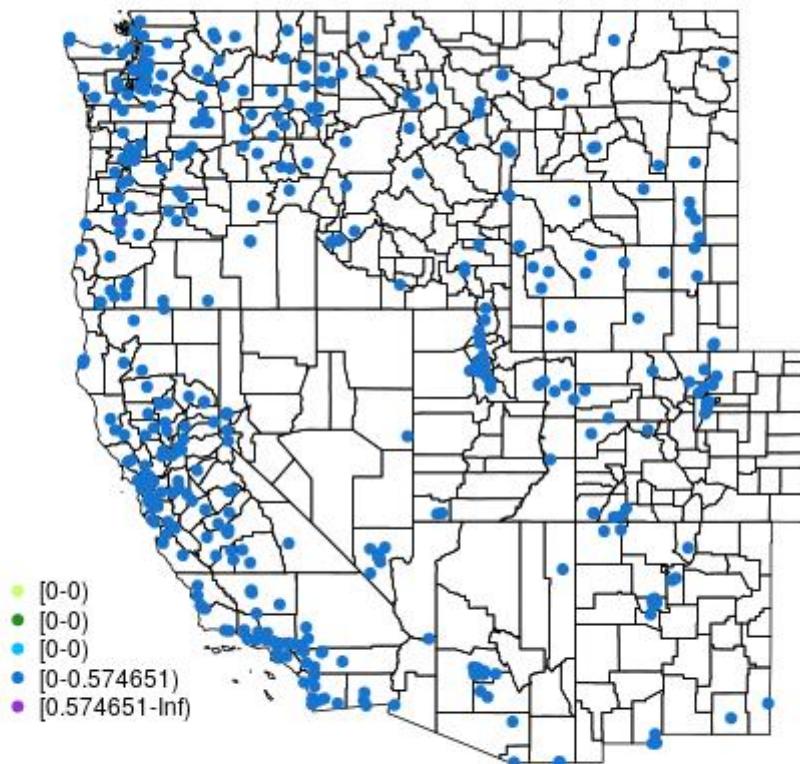


Figure 306: C-250 Month 1

C_250 Month 2

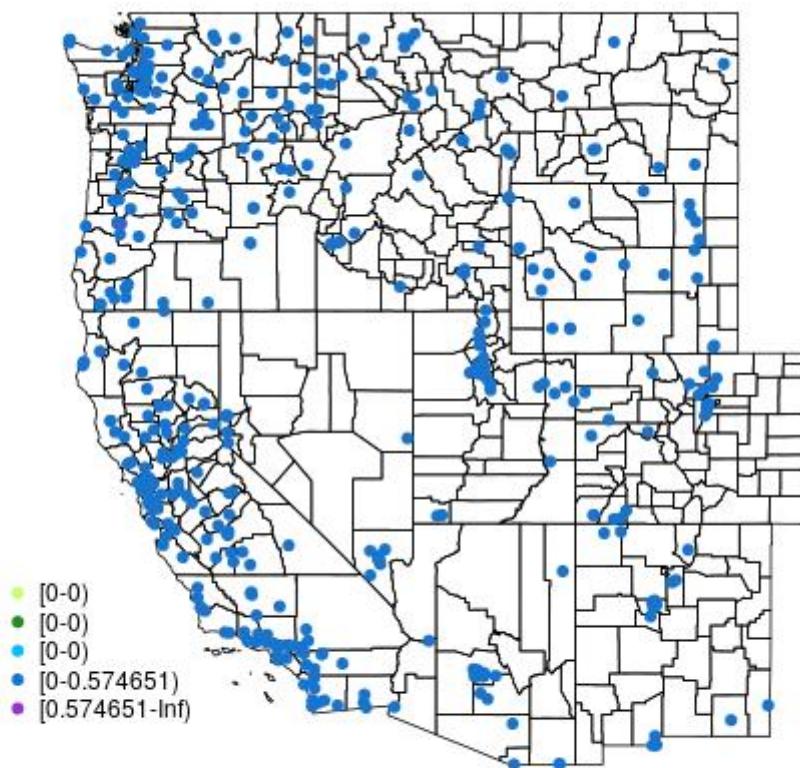


Figure 307: C-250 Month 2

C_250 Month 3

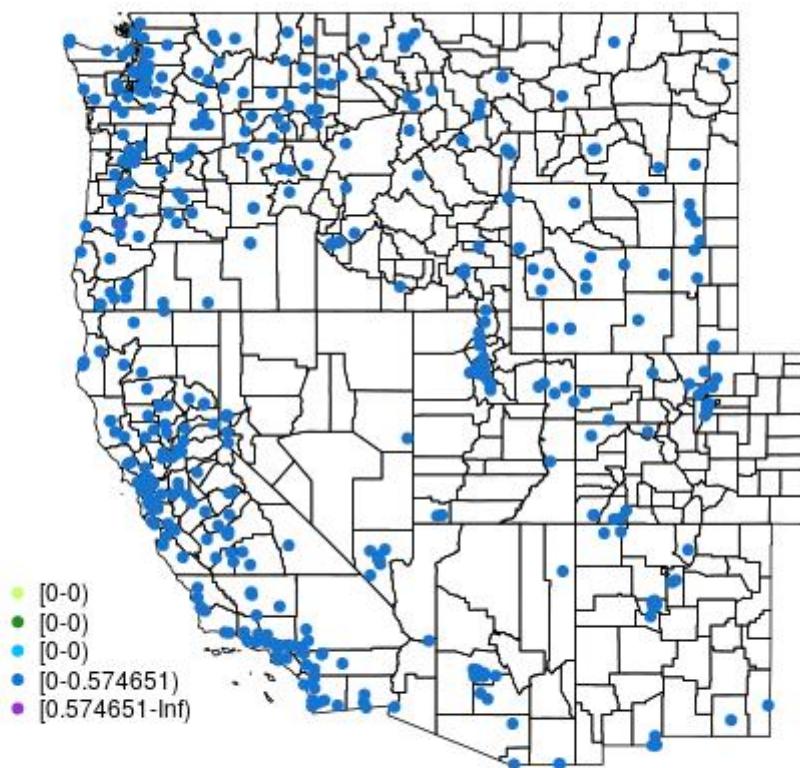


Figure 308: C-250 Month 3

C_250 Month 4

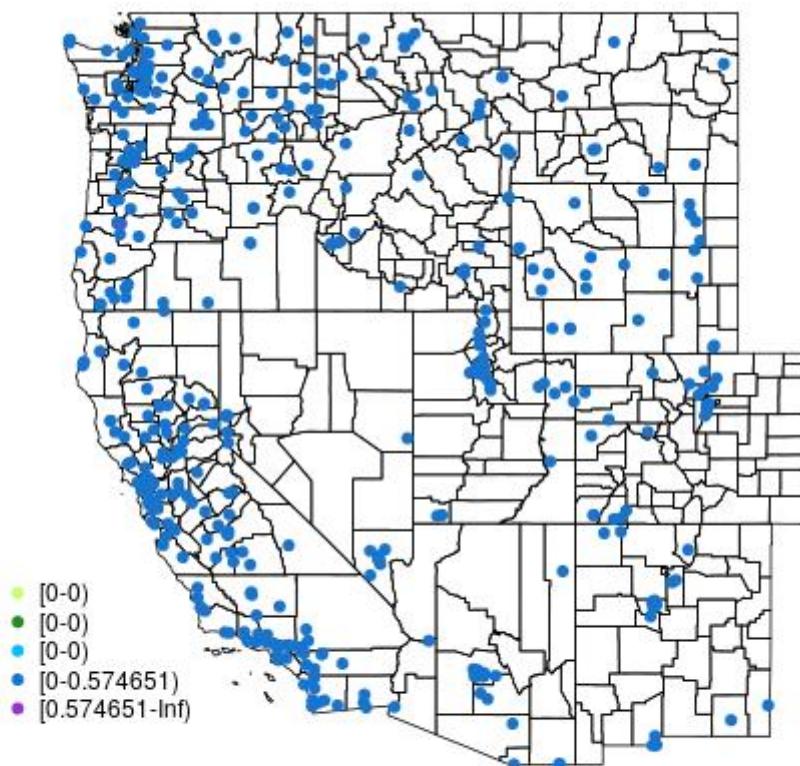


Figure 309: C-250 Month 4

C_250 Month 5

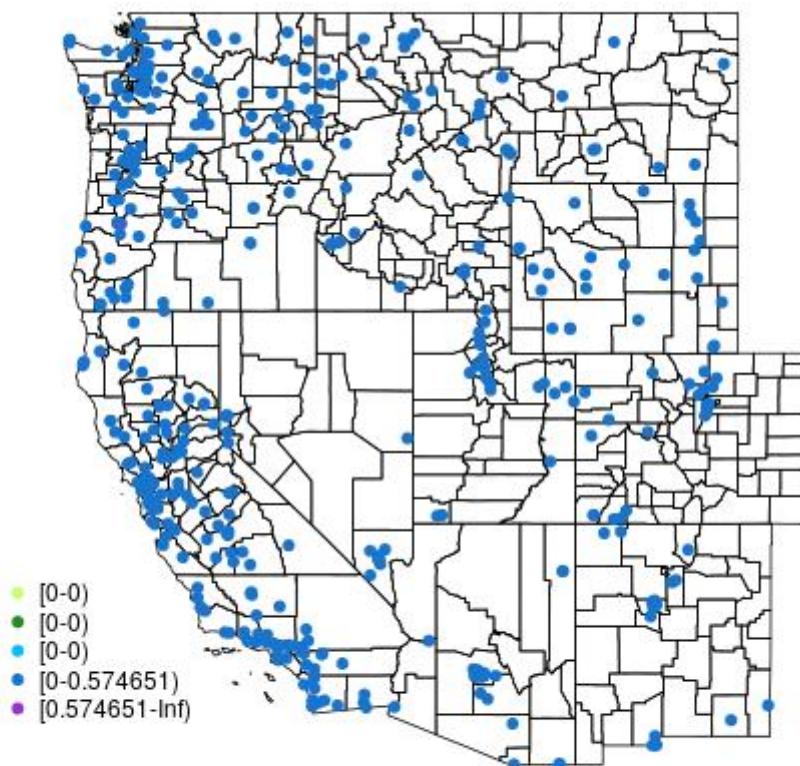


Figure 310: C-250 Month 5

C_250 Month 6

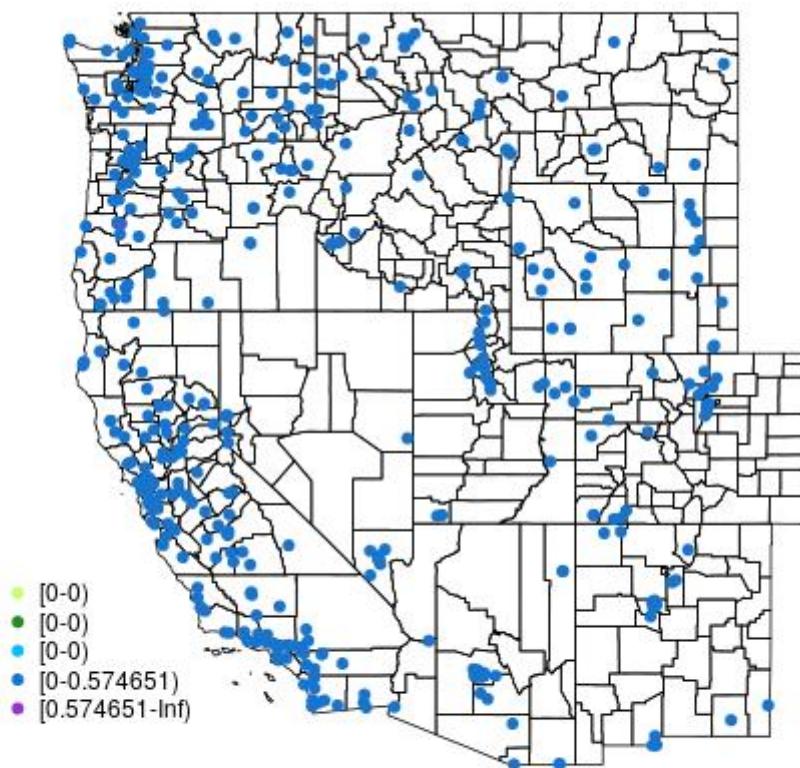


Figure 311: C-250 Month 6

C_250 Month 7

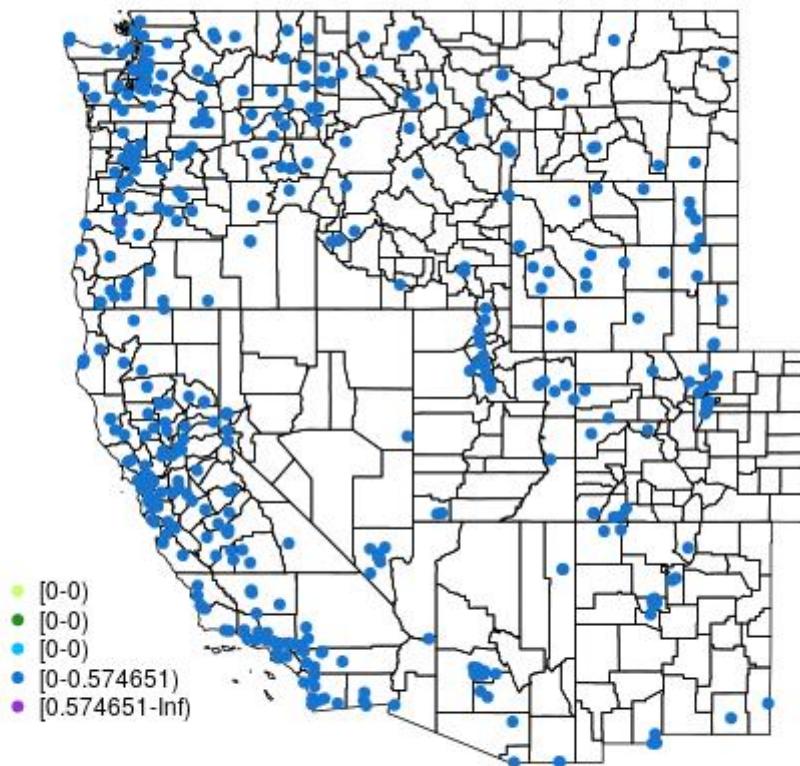


Figure 312: C-250 Month 7

C_250 Month 8

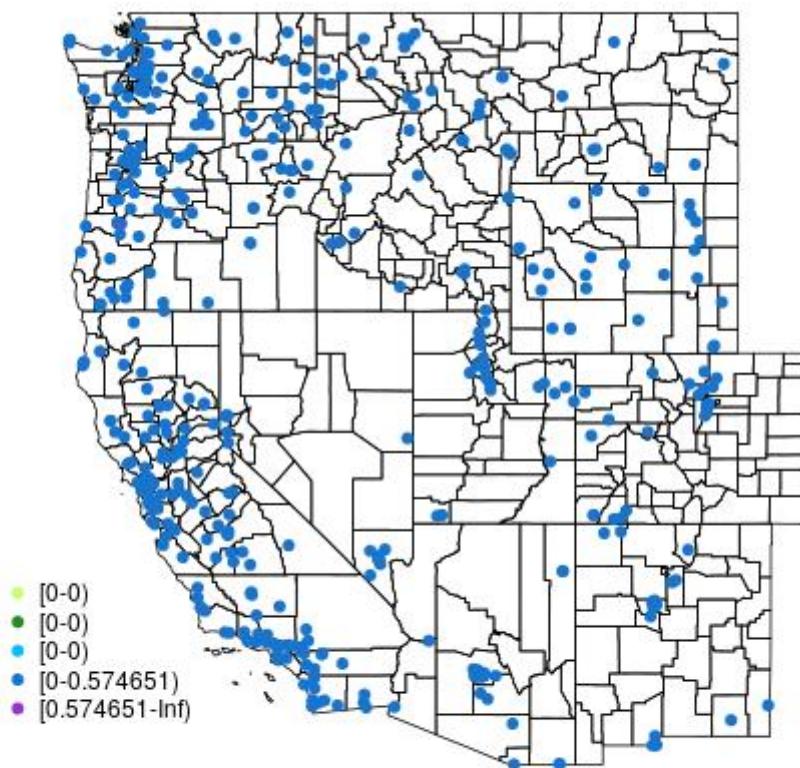


Figure 313: C-250 Month 8

C_250 Month 9

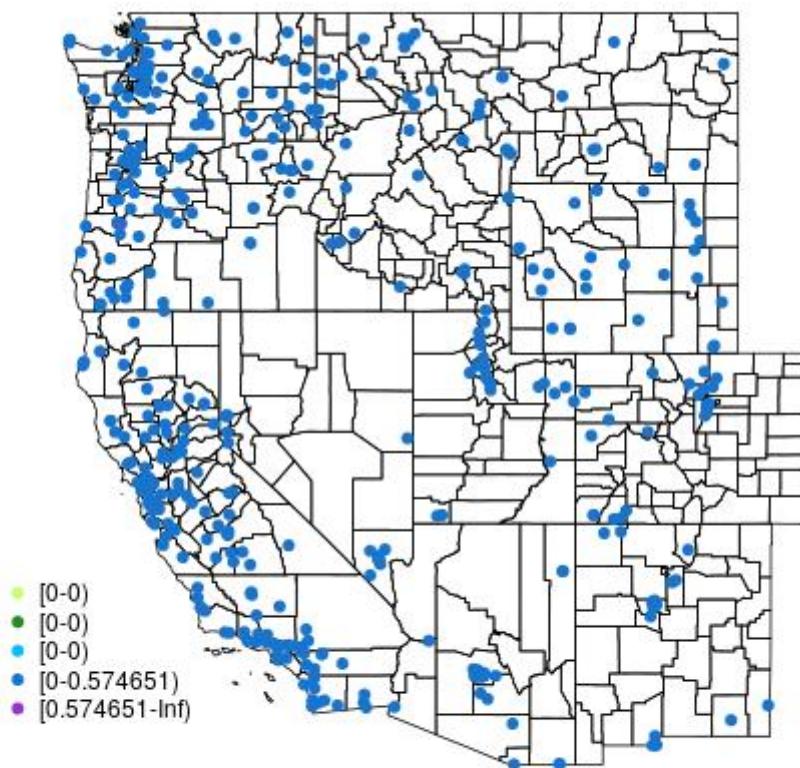


Figure 314: C-250 Month 9

C_250 Month 10

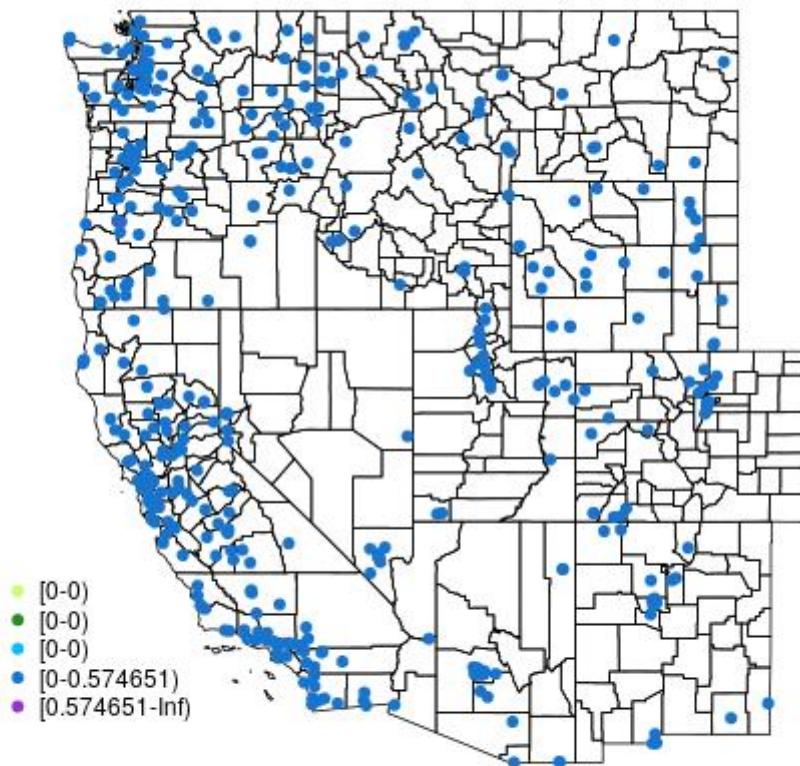


Figure 315: C-250 Month 10

C_250 Month 11

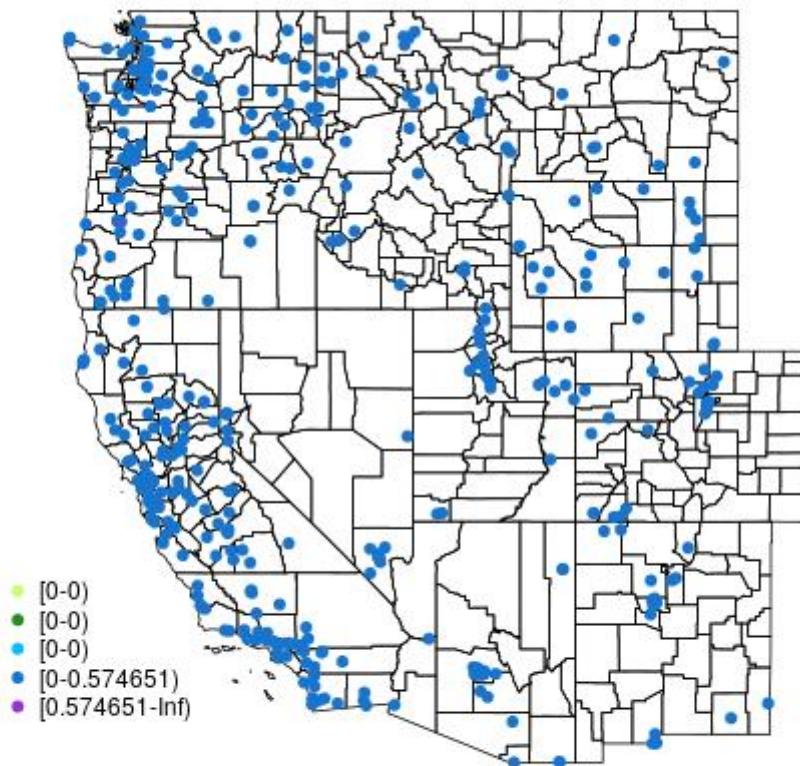


Figure 316: C-250 Month 11

C_250 Month 12

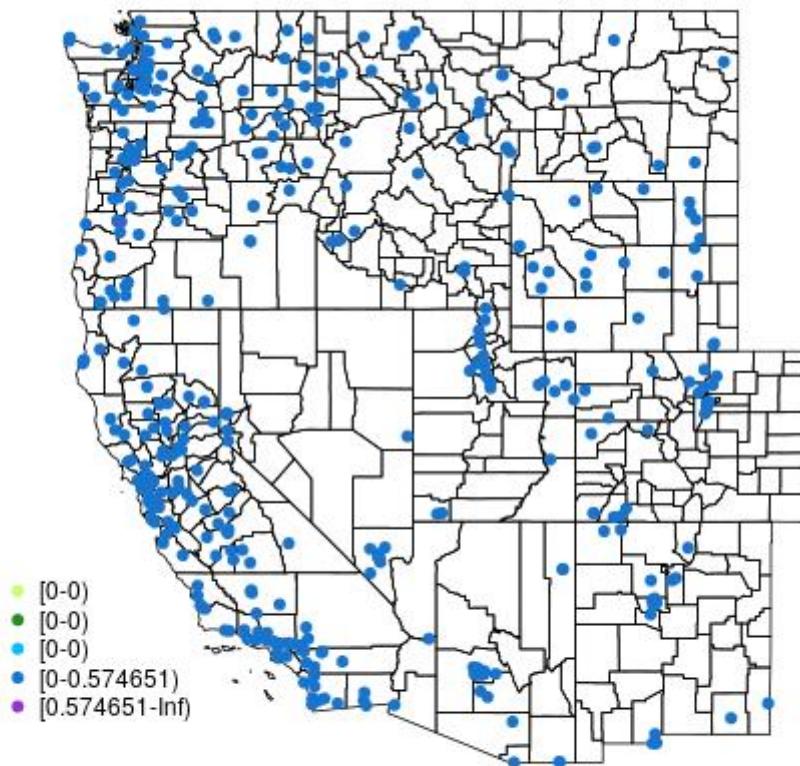


Figure 317: C-250 Month 12

Both_250 Month 1

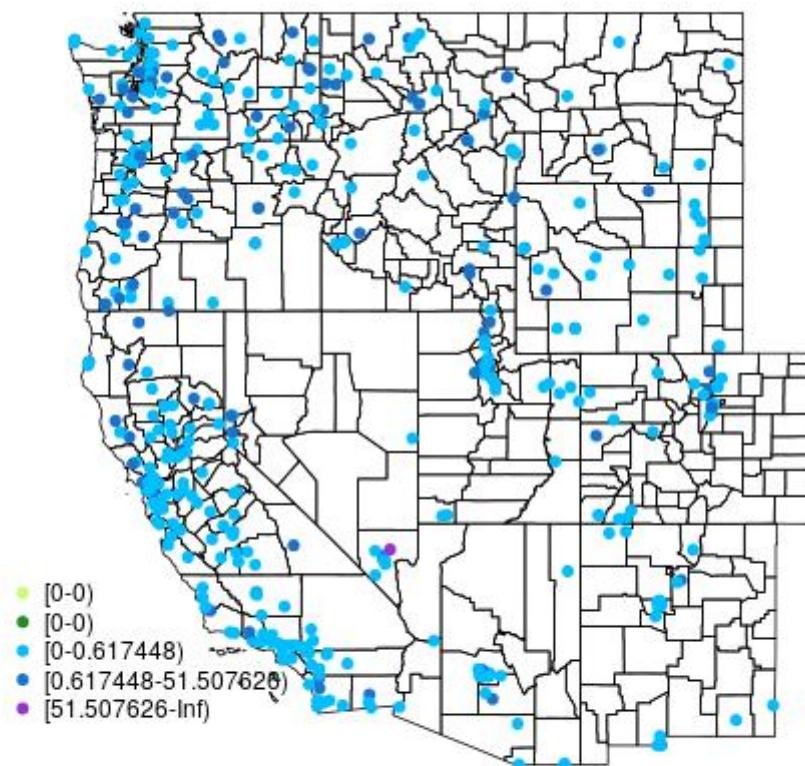


Figure 318: Both-250 Month 1

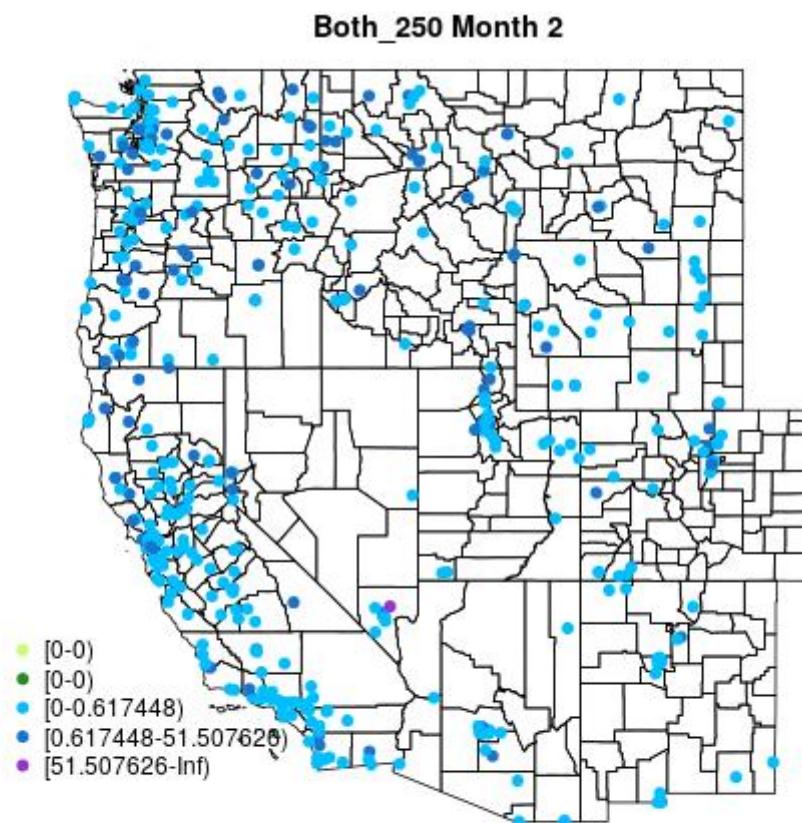


Figure 319: Both-250 Month 2

Both_250 Month 3

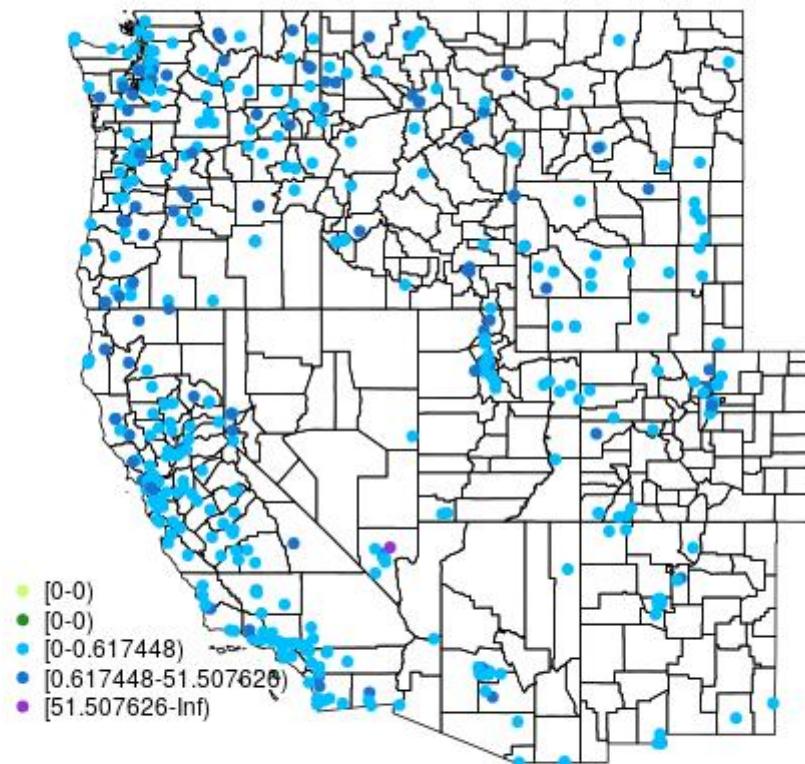


Figure 320: Both-250 Month 3

Both_250 Month 4

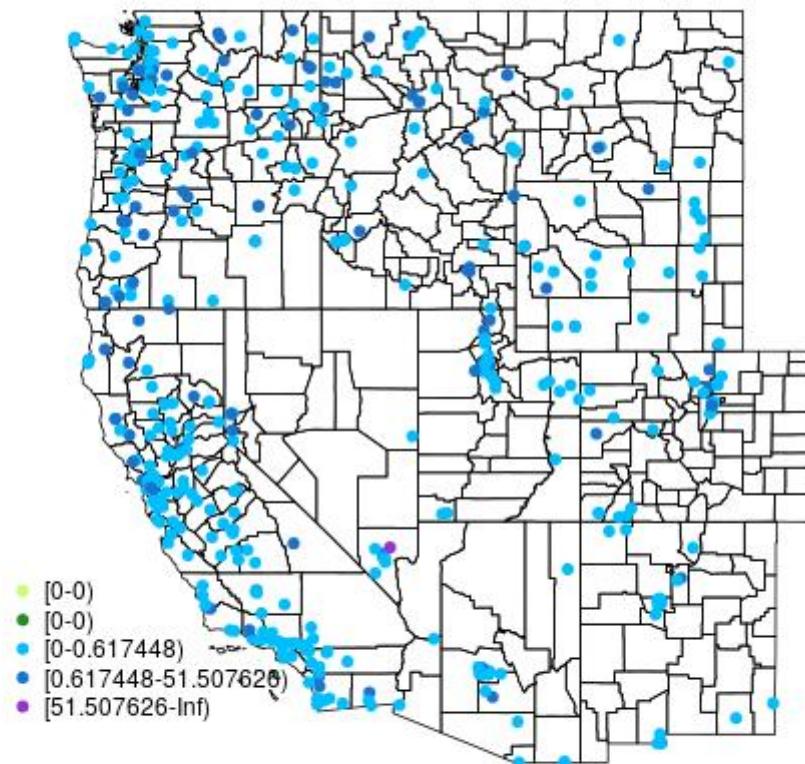


Figure 321: Both-250 Month 4

Both_250 Month 5

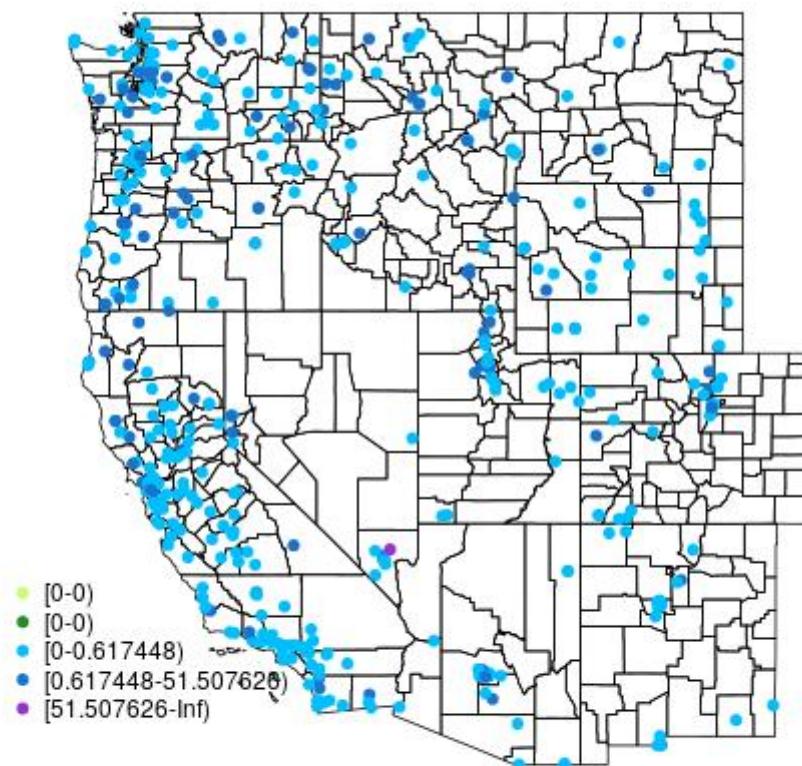


Figure 322: Both-250 Month 5

Both_250 Month 6

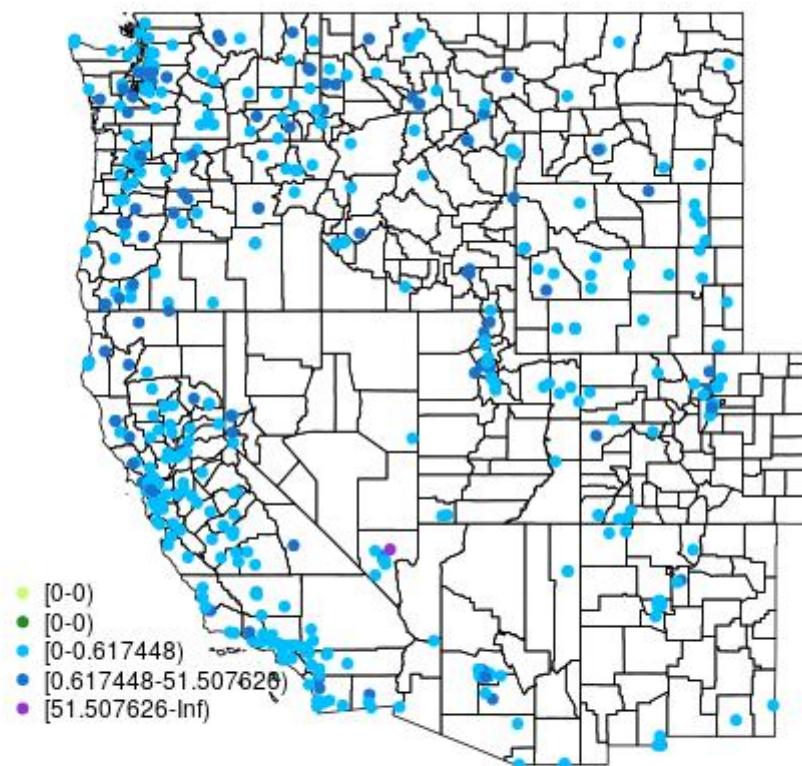


Figure 323: Both-250 Month 6

Both_250 Month 7

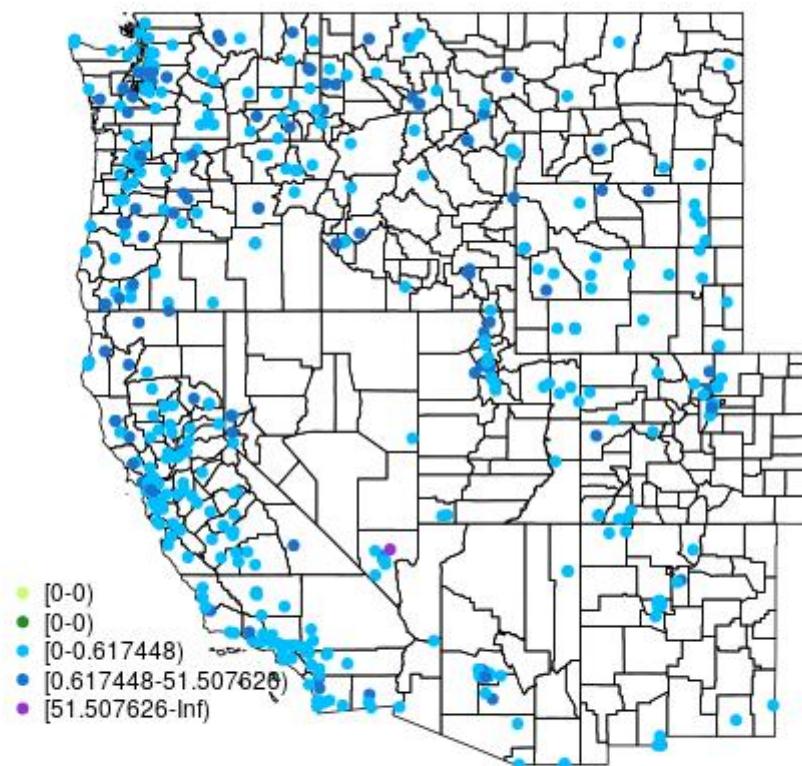


Figure 324: Both-250 Month 7

Both_250 Month 8

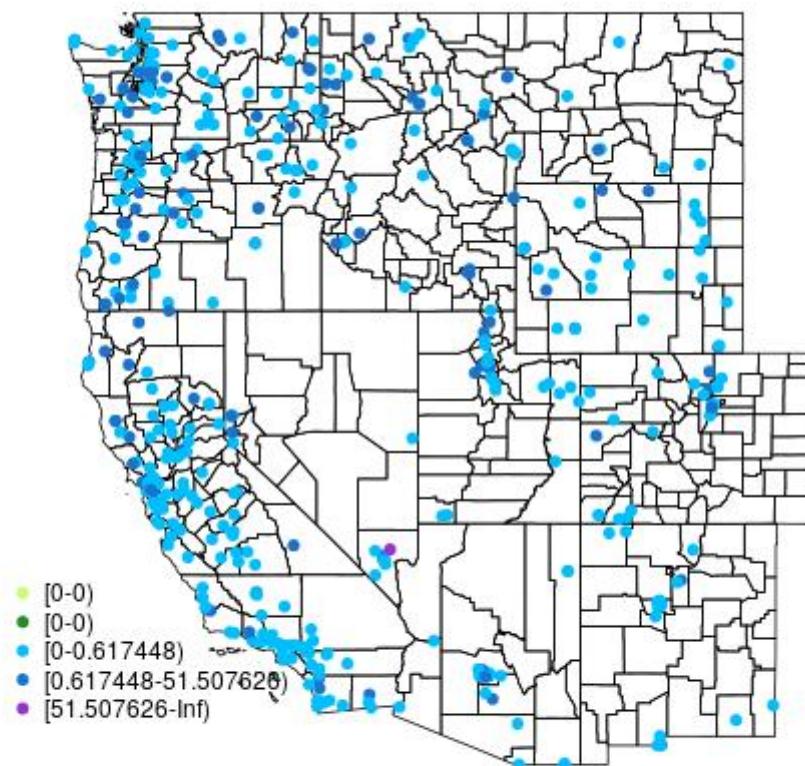


Figure 325: Both-250 Month 8

Both_250 Month 9

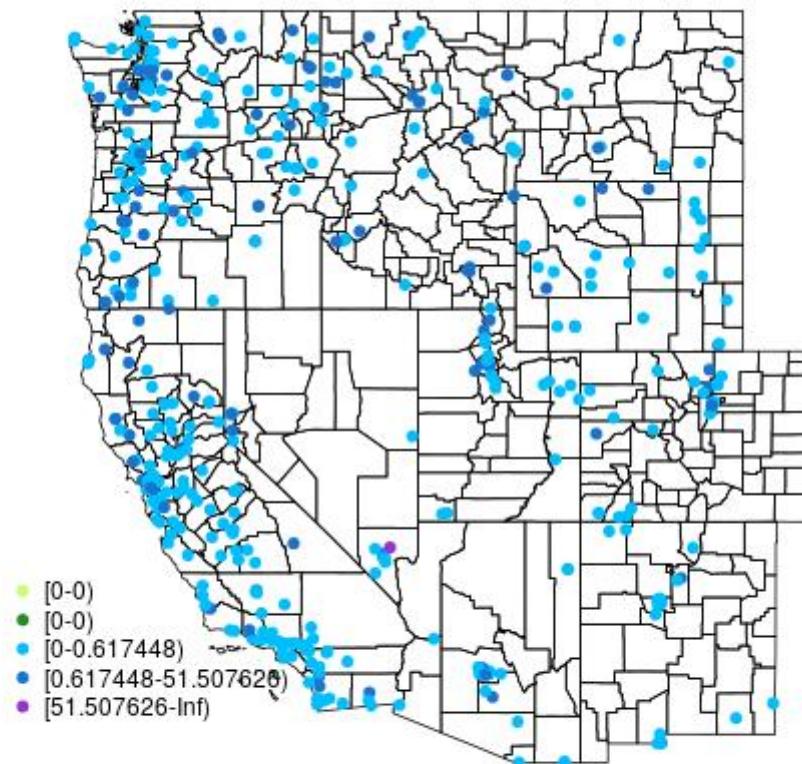


Figure 326: Both-250 Month 9

Both_250 Month 10

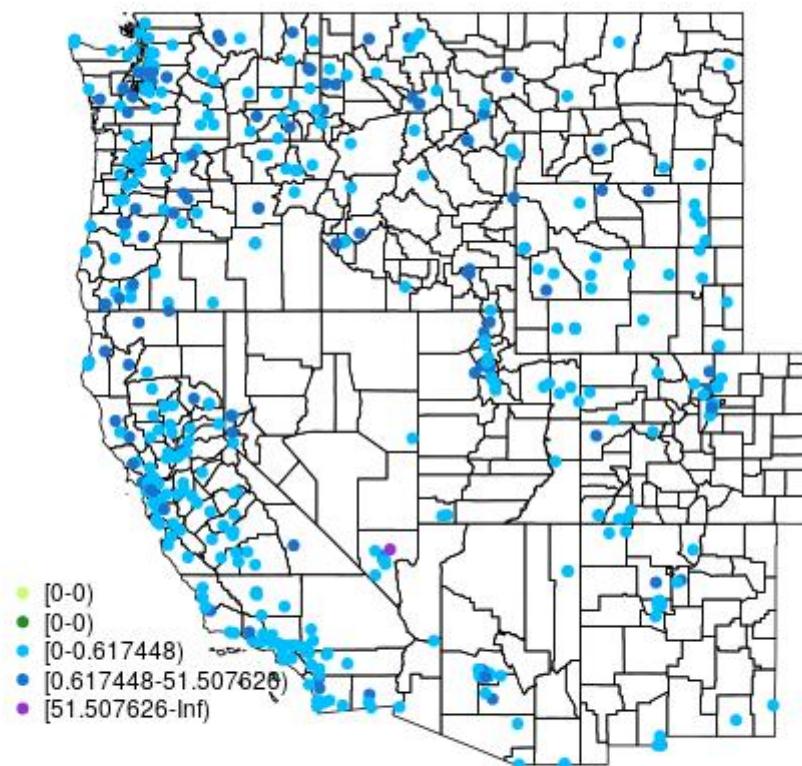


Figure 327: Both-250 Month 10

Both_250 Month 11

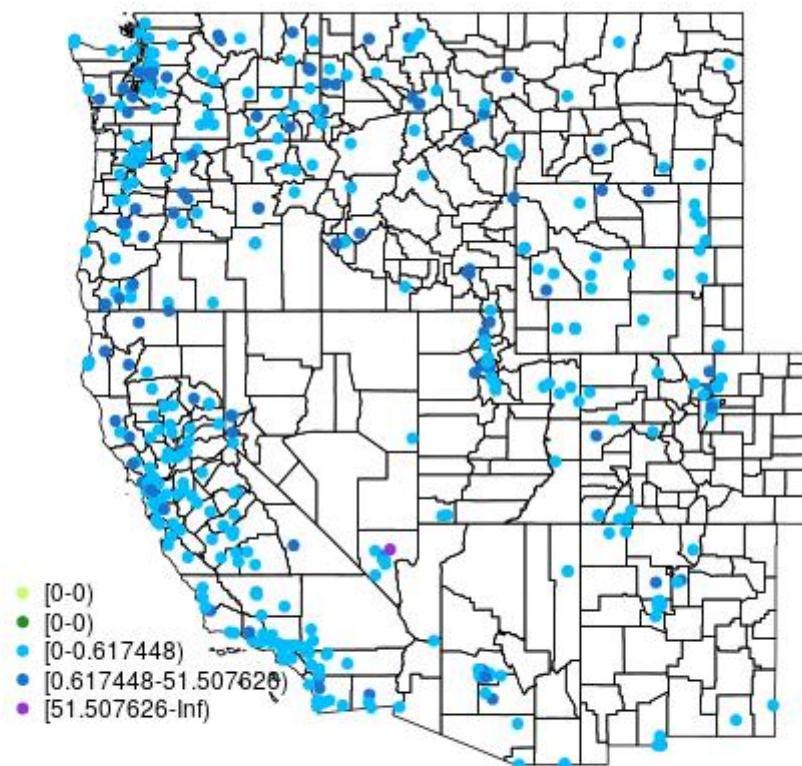


Figure 328: Both-250 Month 11

Both_250 Month 12

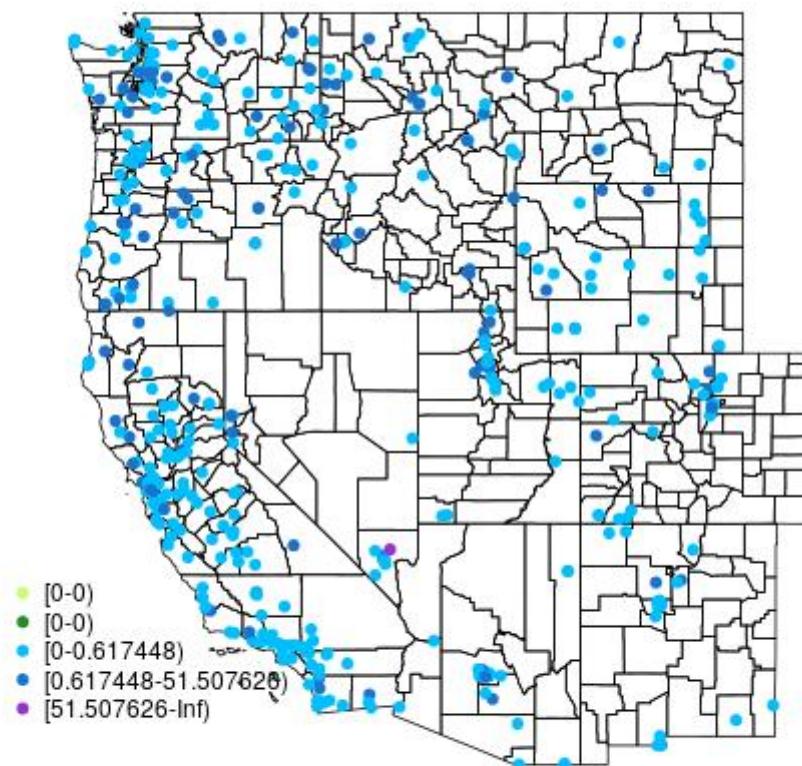


Figure 329: Both-250 Month 12

A_500 Month 1

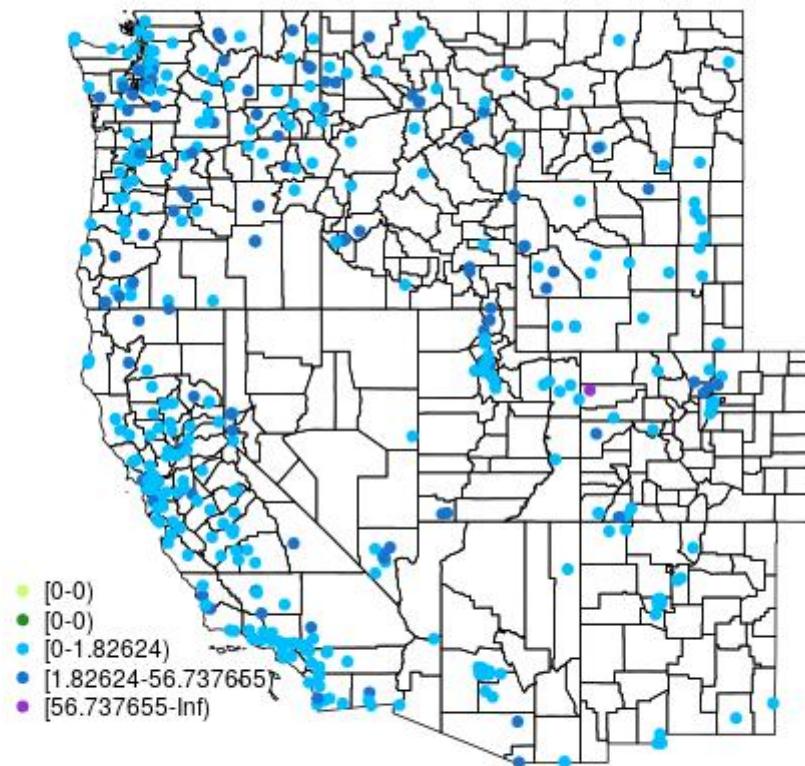


Figure 330: A-500 Month 1

A_500 Month 2

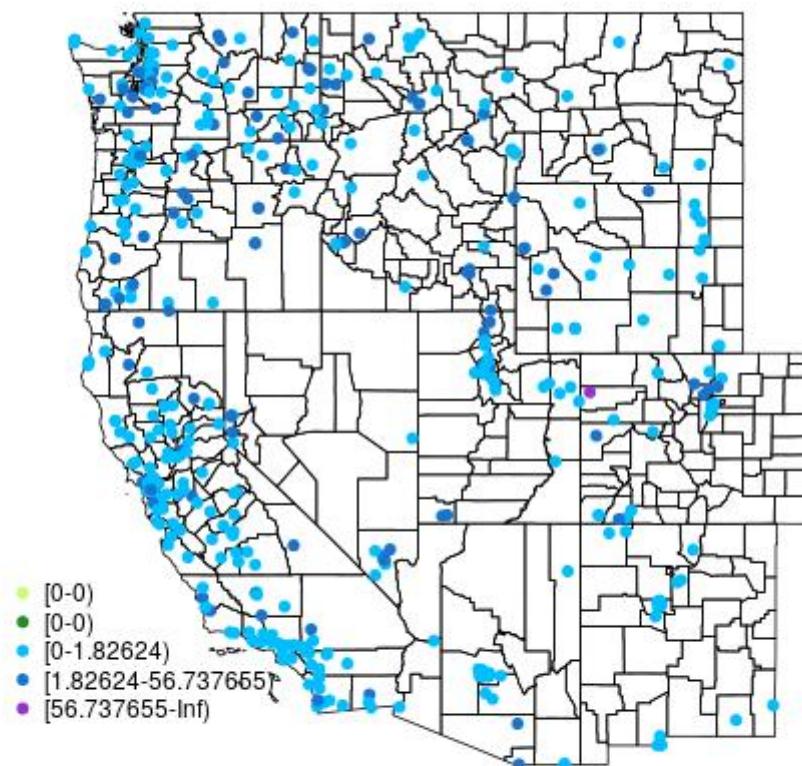


Figure 331: A-500 Month 2

A_500 Month 3

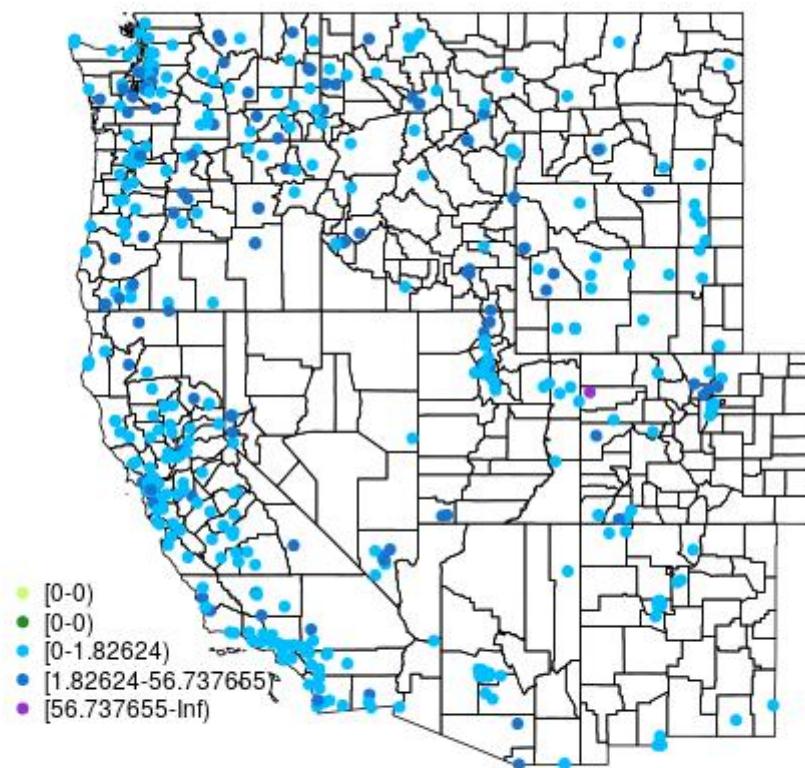


Figure 332: A-500 Month 3

A_500 Month 4

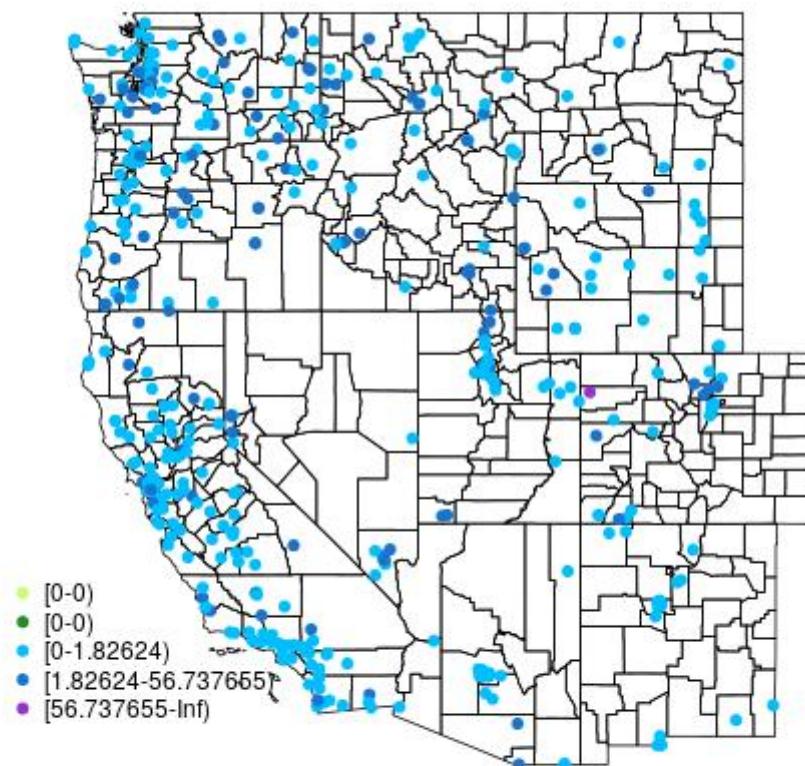


Figure 333: A-500 Month 4

A_500 Month 5

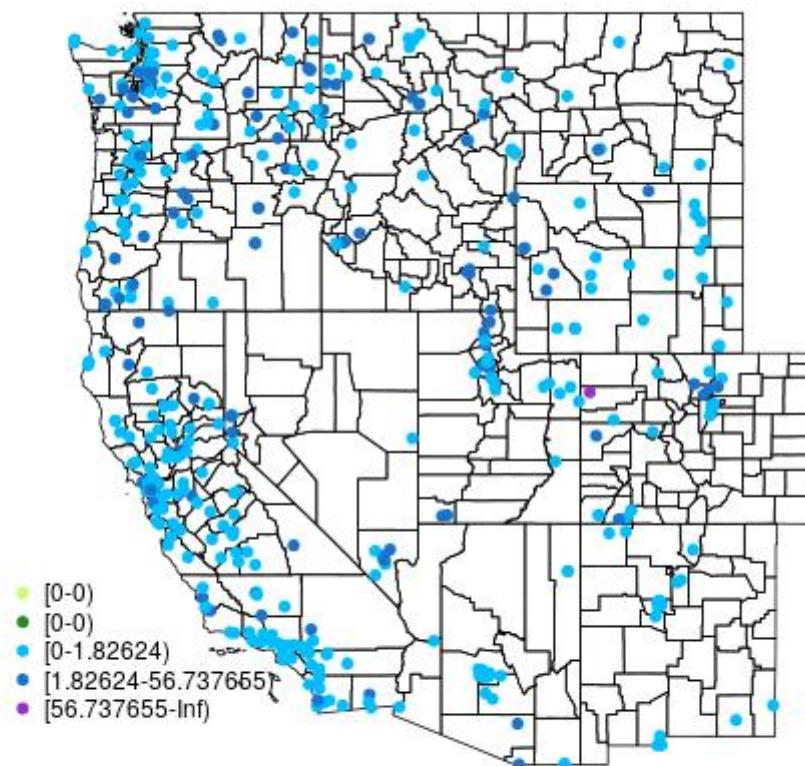


Figure 334: A-500 Month 5

A_500 Month 6

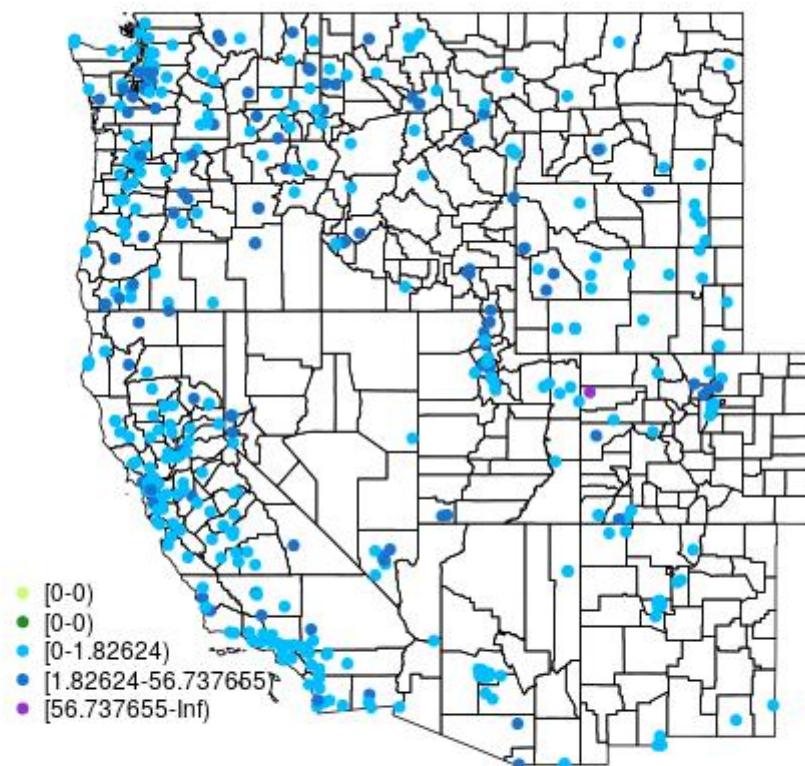


Figure 335: A-500 Month 6

A_500 Month 7

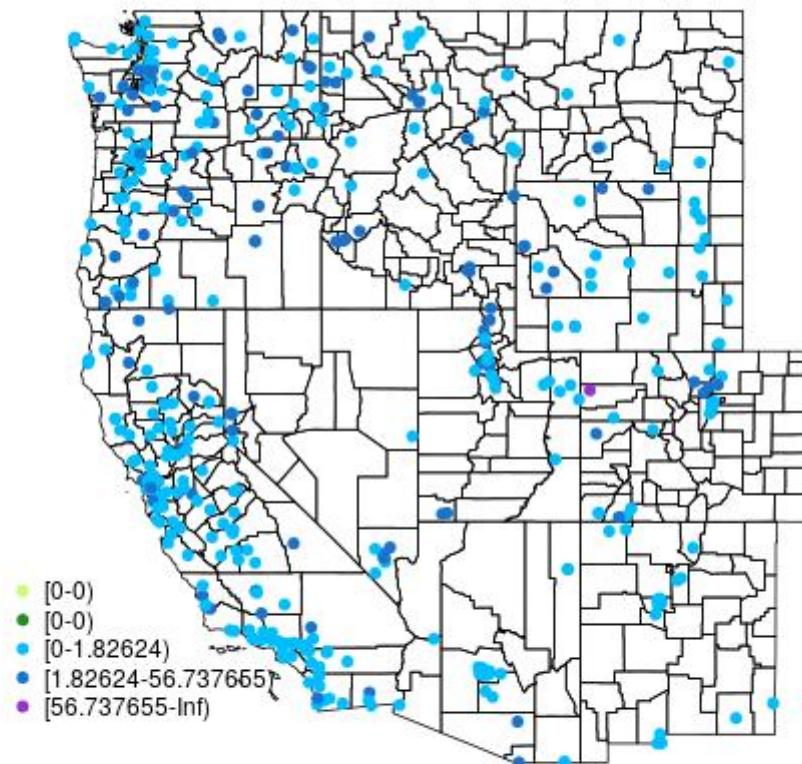


Figure 336: A-500 Month 7

A_500 Month 8

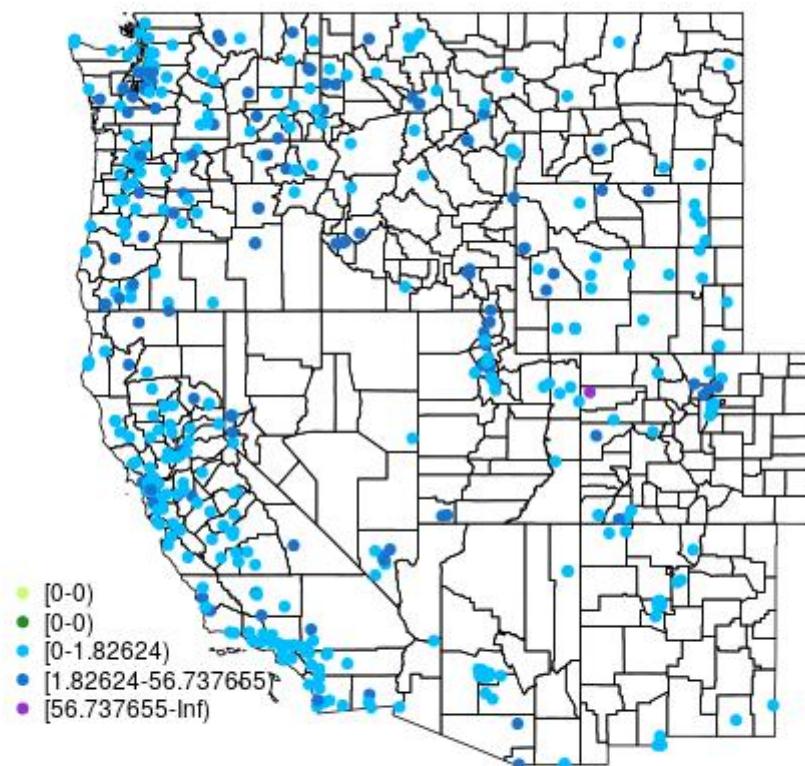


Figure 337: A-500 Month 8

A_500 Month 9

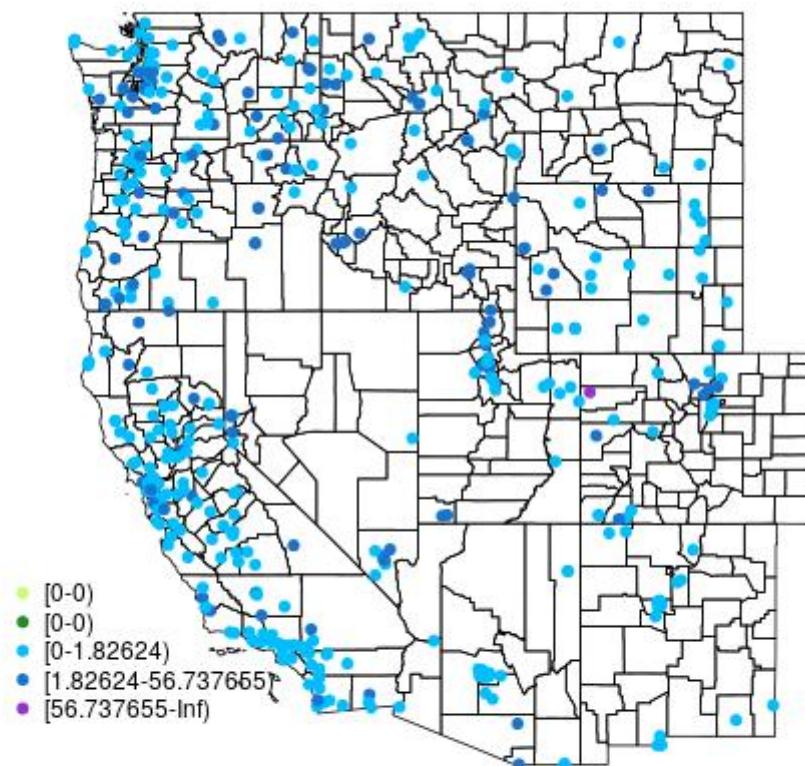


Figure 338: A-500 Month 9

A_500 Month 10

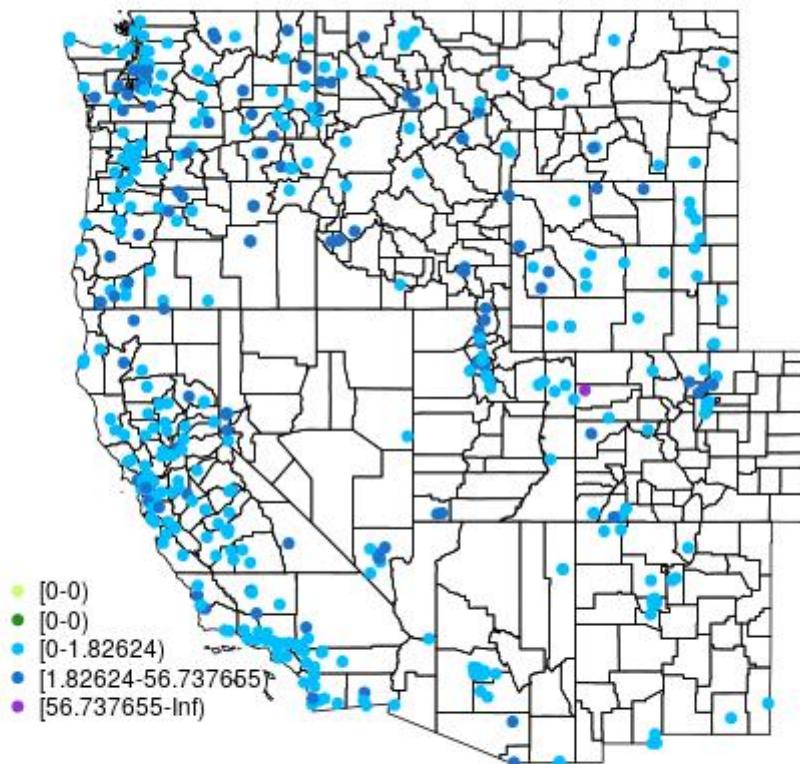


Figure 339: A-500 Month 10

A_500 Month 11

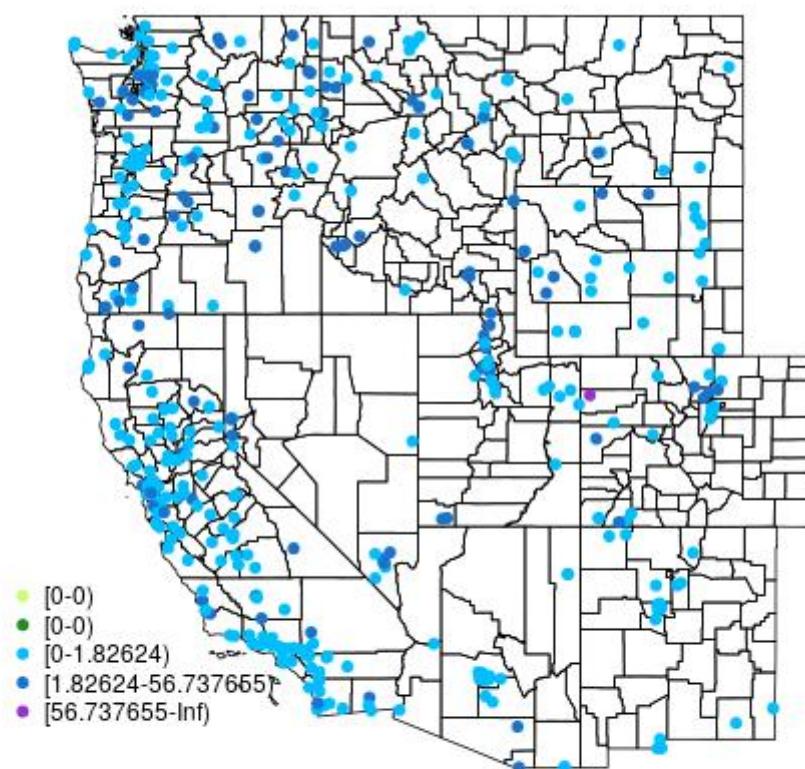


Figure 340: A-500 Month 11

A_500 Month 12

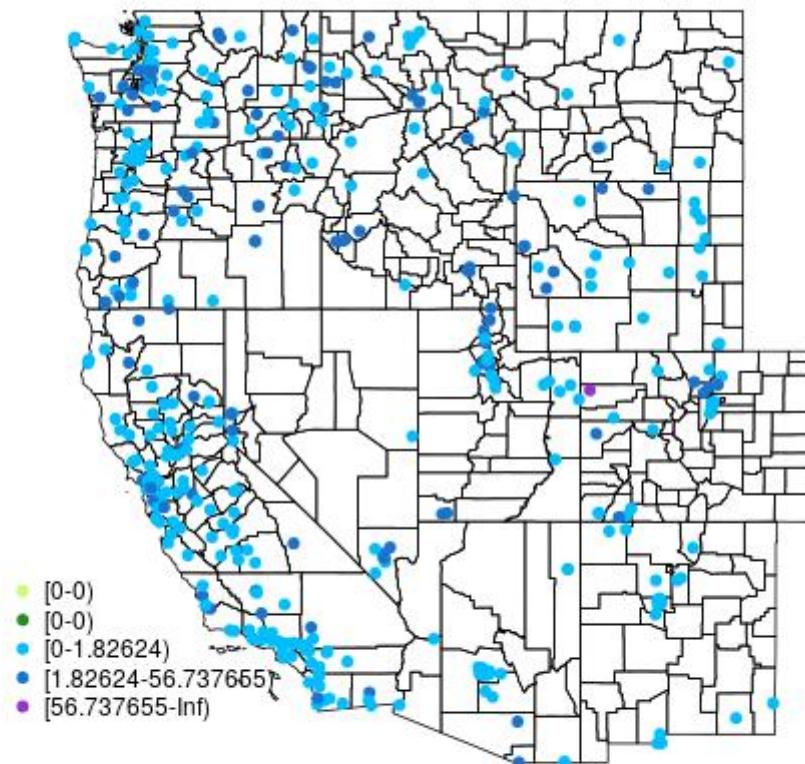


Figure 341: A-500 Month 12

C_500 Month 1

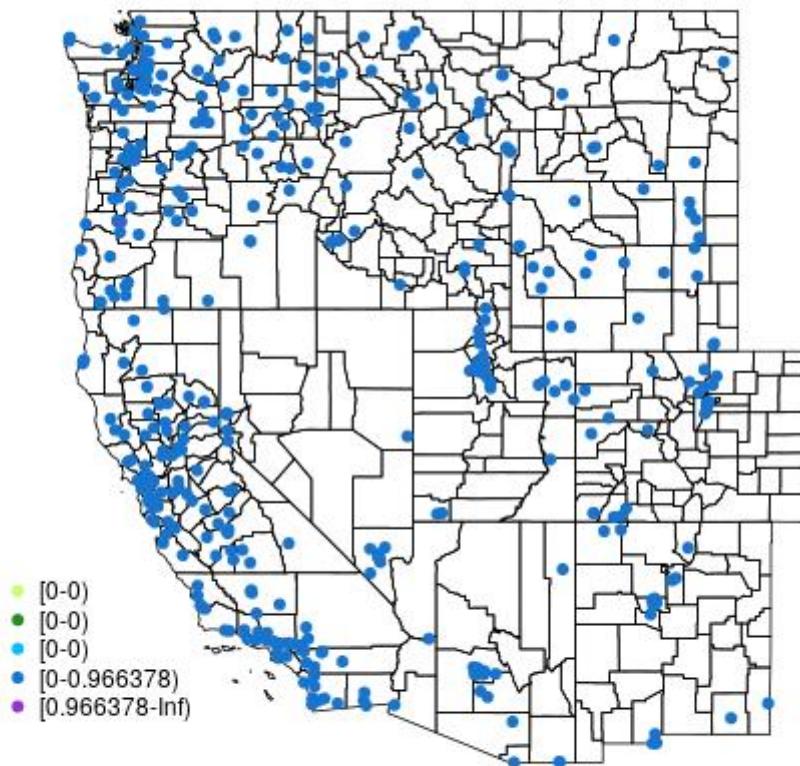


Figure 342: C-500 Month 1

C_500 Month 2

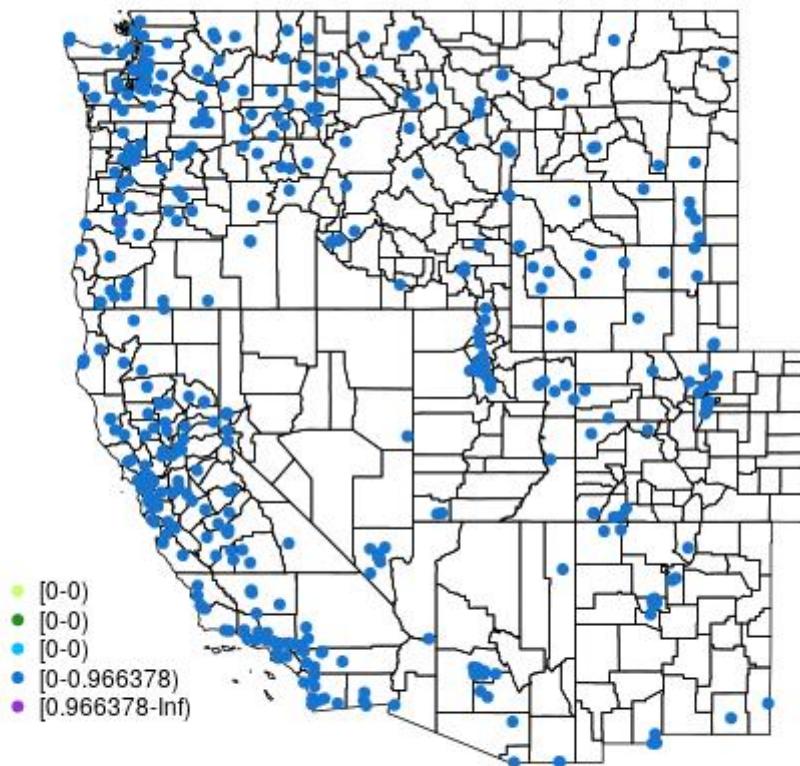


Figure 343: C-500 Month 2

C_500 Month 3

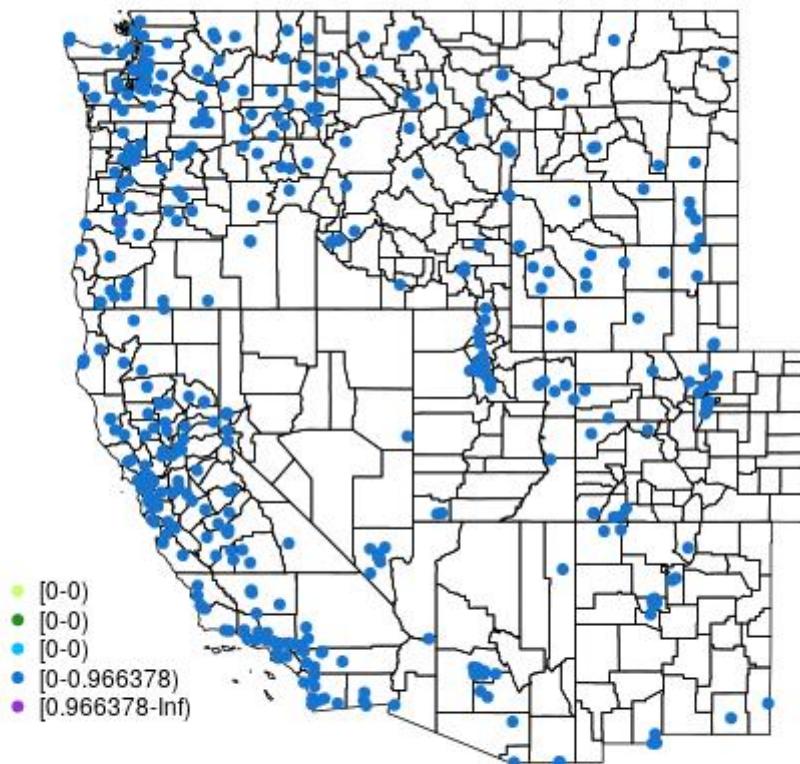


Figure 344: C-500 Month 3

C_500 Month 4

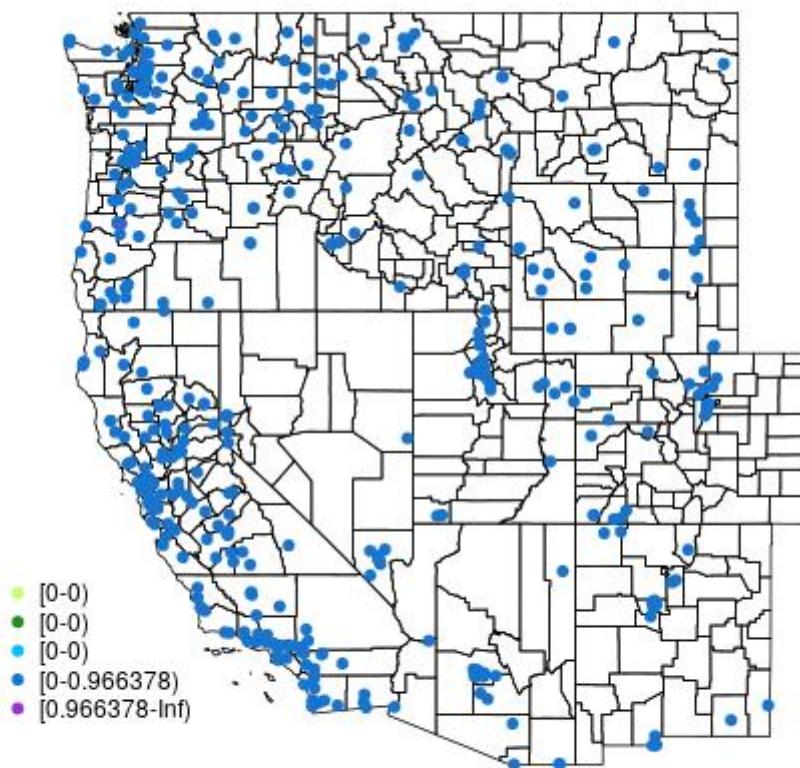


Figure 345: C-500 Month 4

C_500 Month 5

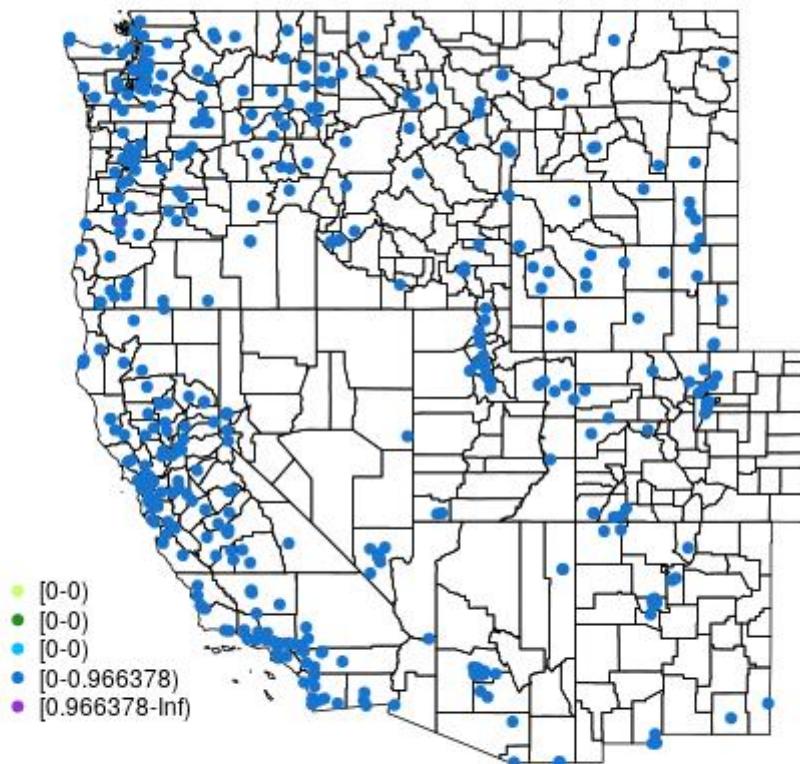


Figure 346: C-500 Month 5

C_500 Month 6

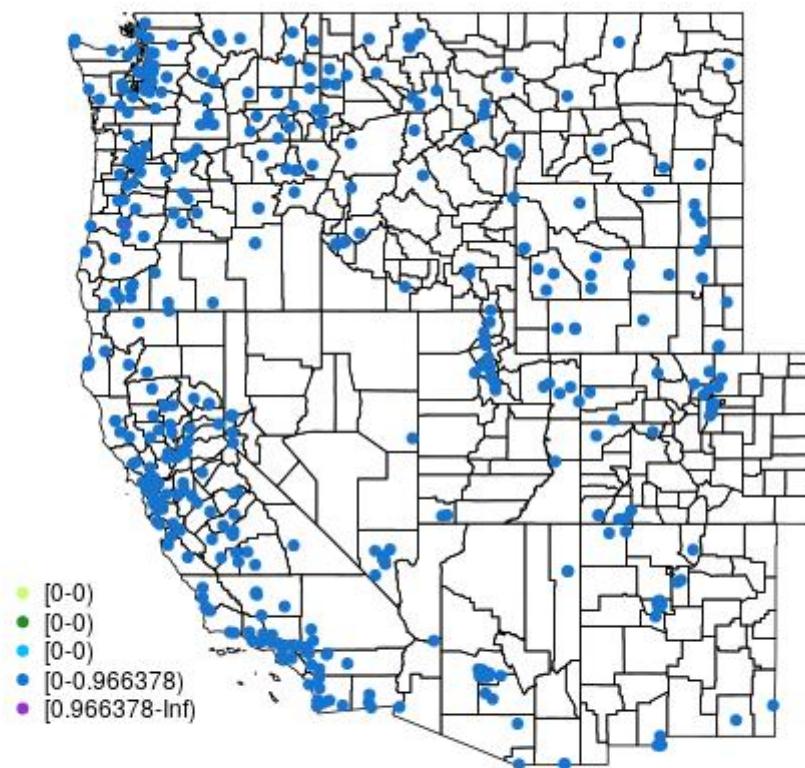


Figure 347: C-500 Month 6

C_500 Month 7

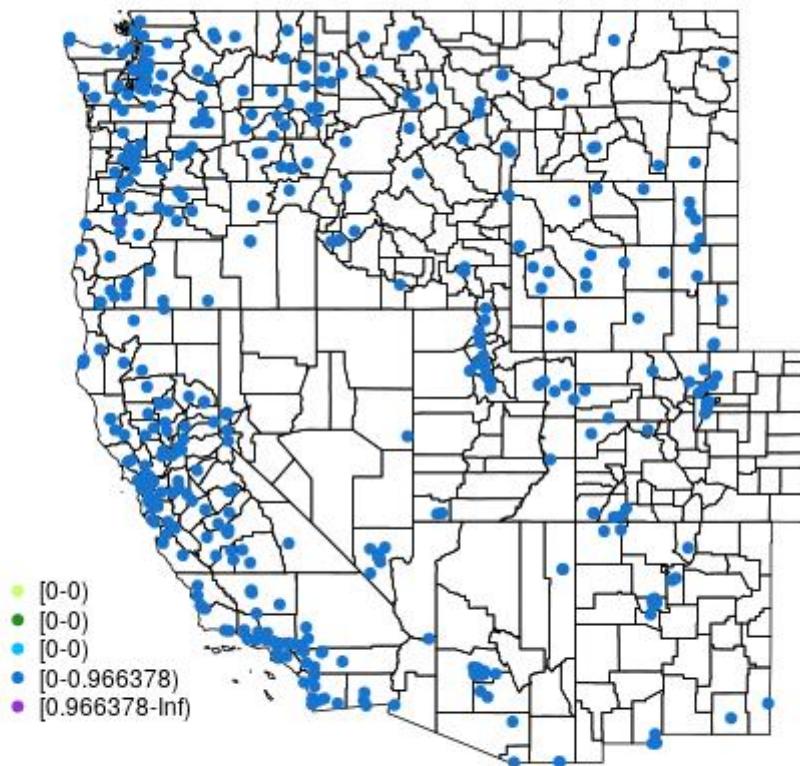


Figure 348: C-500 Month 7

C_500 Month 8

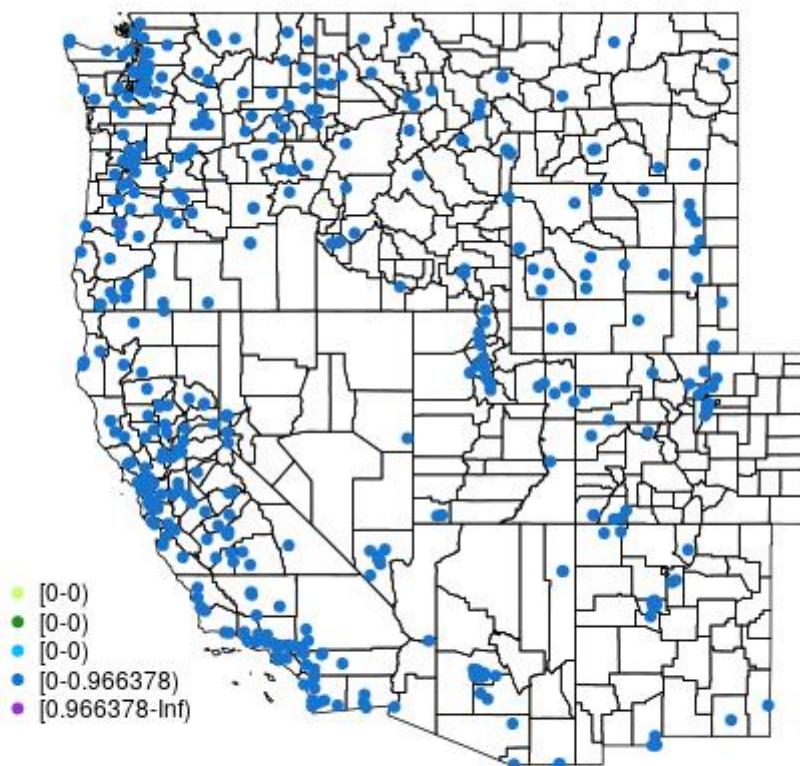


Figure 349: C-500 Month 8

C_500 Month 9

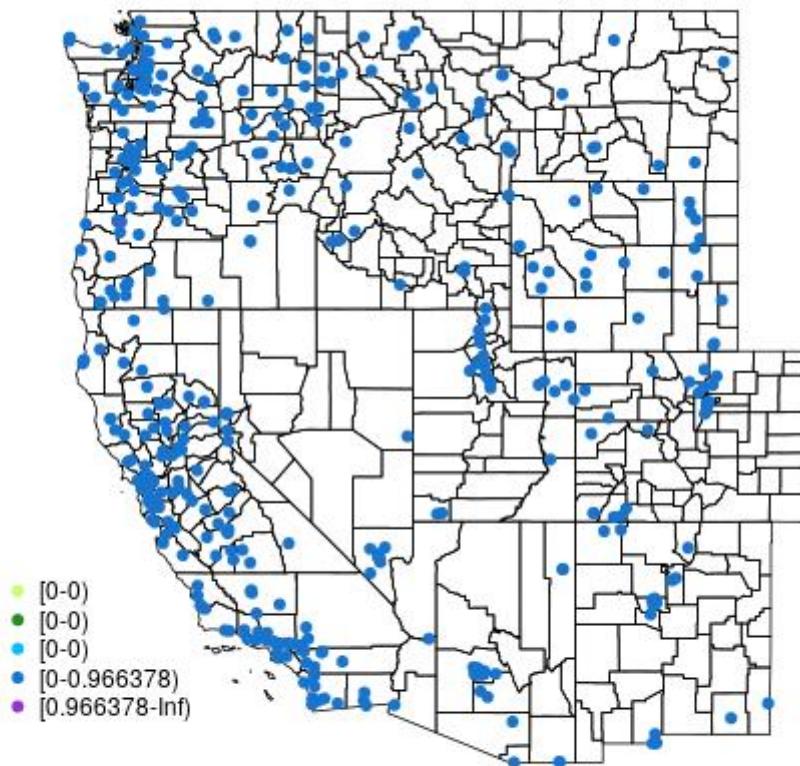


Figure 350: C-500 Month 9

C_500 Month 10

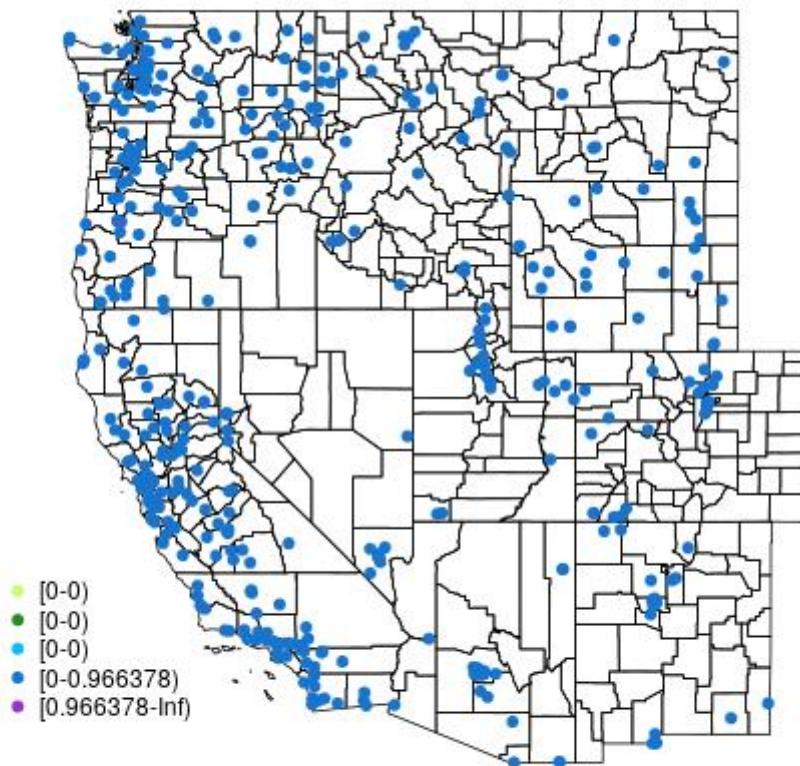


Figure 351: C-500 Month 10

C_500 Month 11

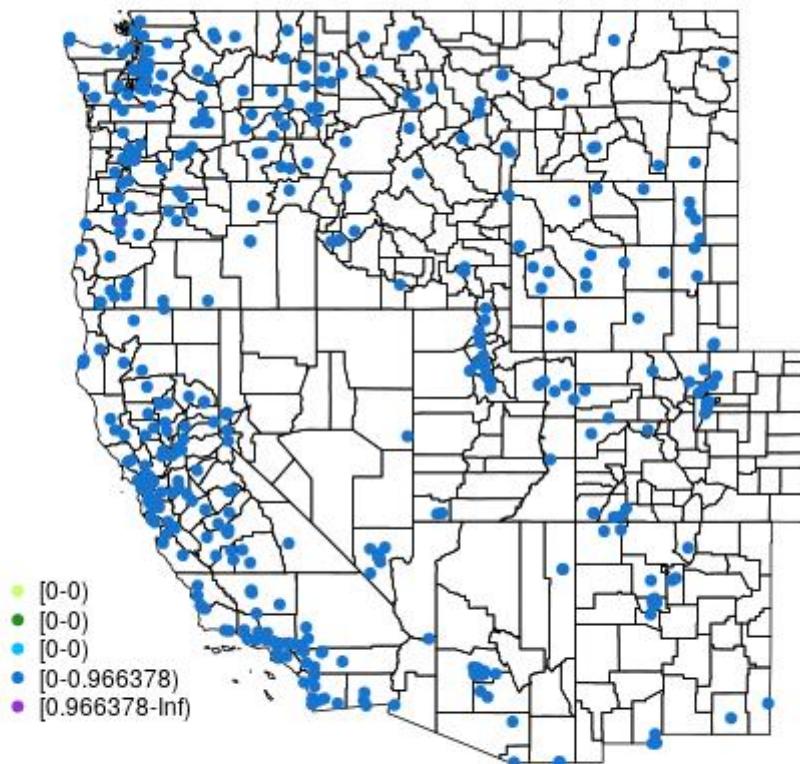


Figure 352: C-500 Month 11

C_500 Month 12

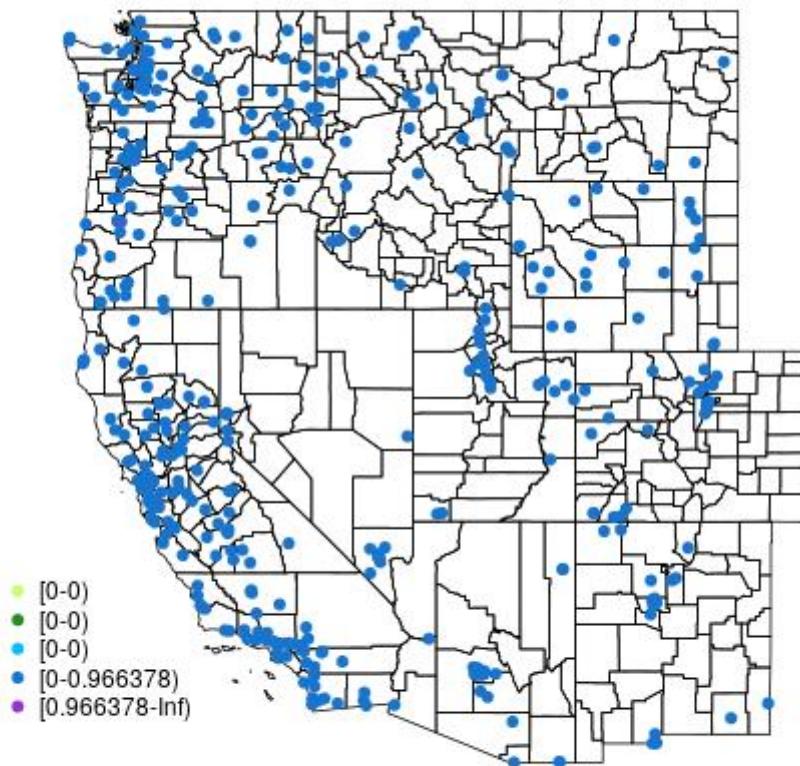


Figure 353: C-500 Month 12

Both_500 Month 1

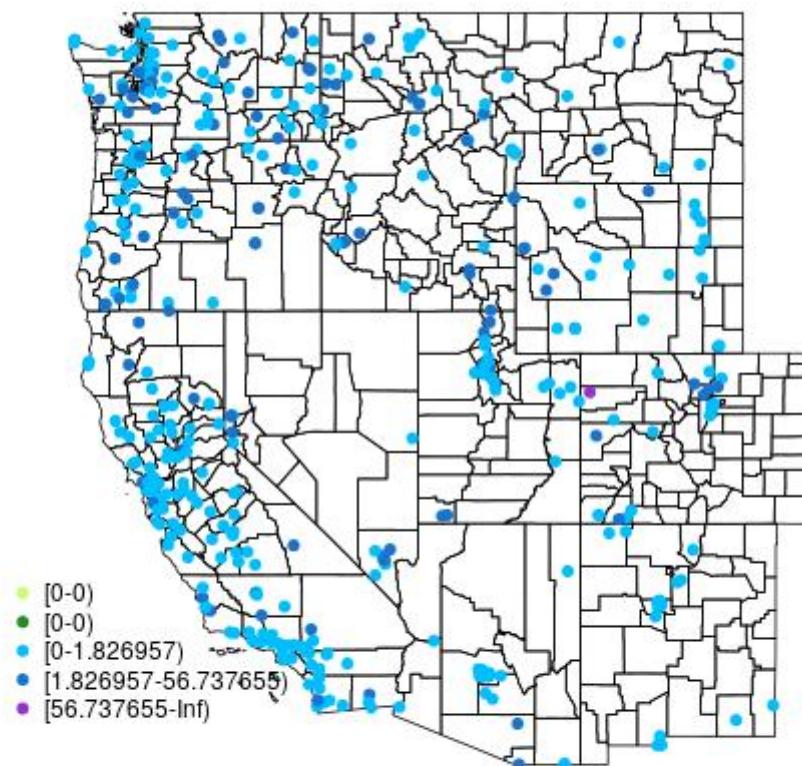


Figure 354: Both-500 Month 1

Both_500 Month 2

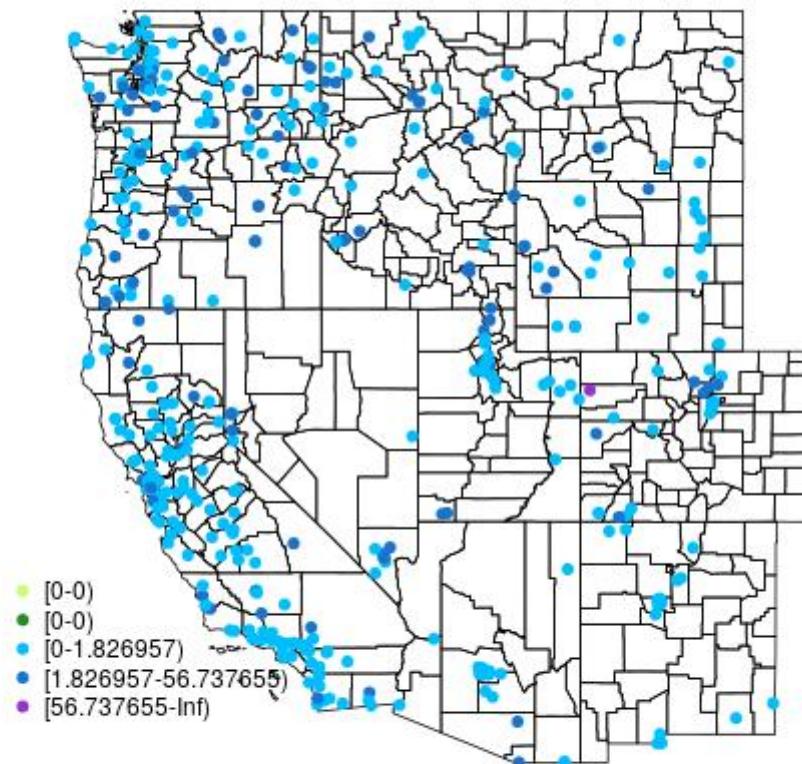


Figure 355: Both-500 Month 2

Both_500 Month 3

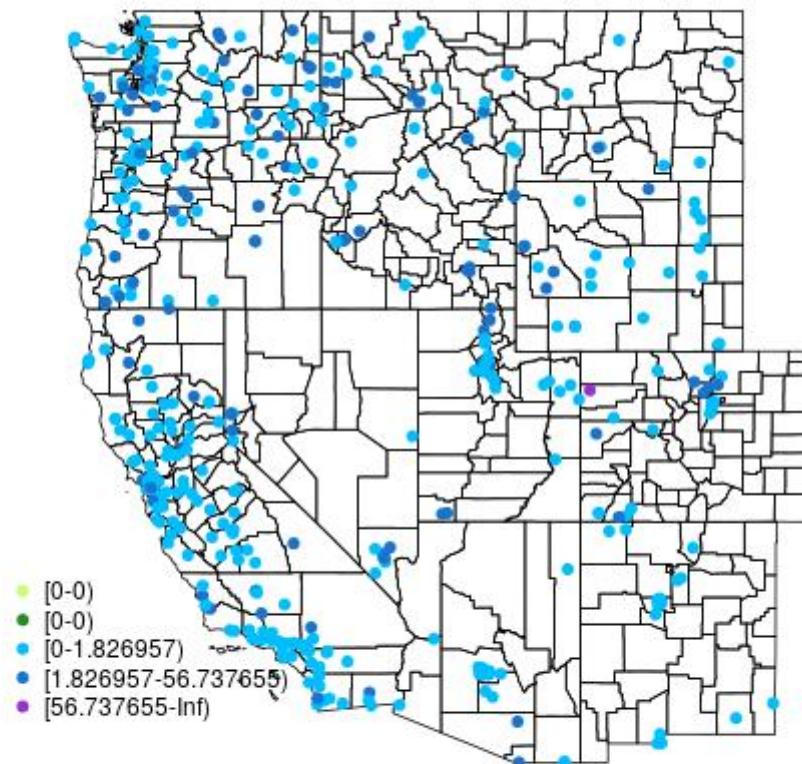


Figure 356: Both-500 Month 3

Both_500 Month 4

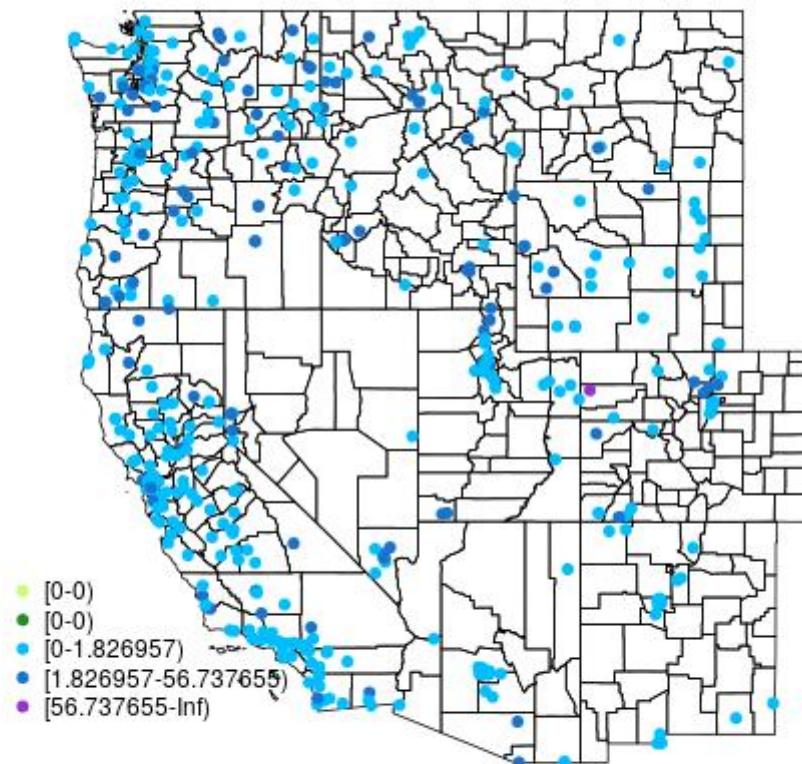


Figure 357: Both-500 Month 4

Both_500 Month 5

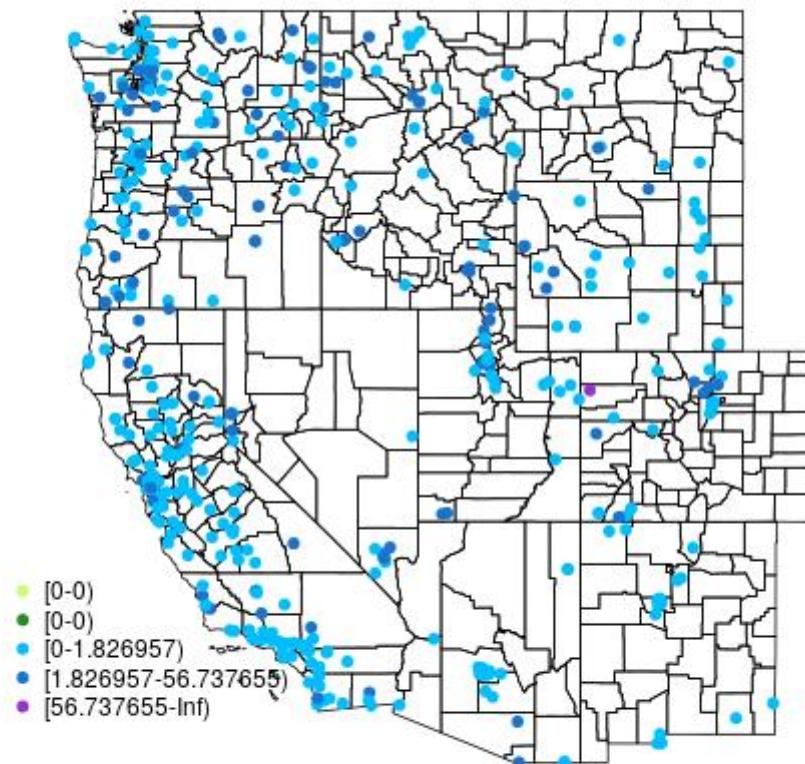


Figure 358: Both-500 Month 5

Both_500 Month 6

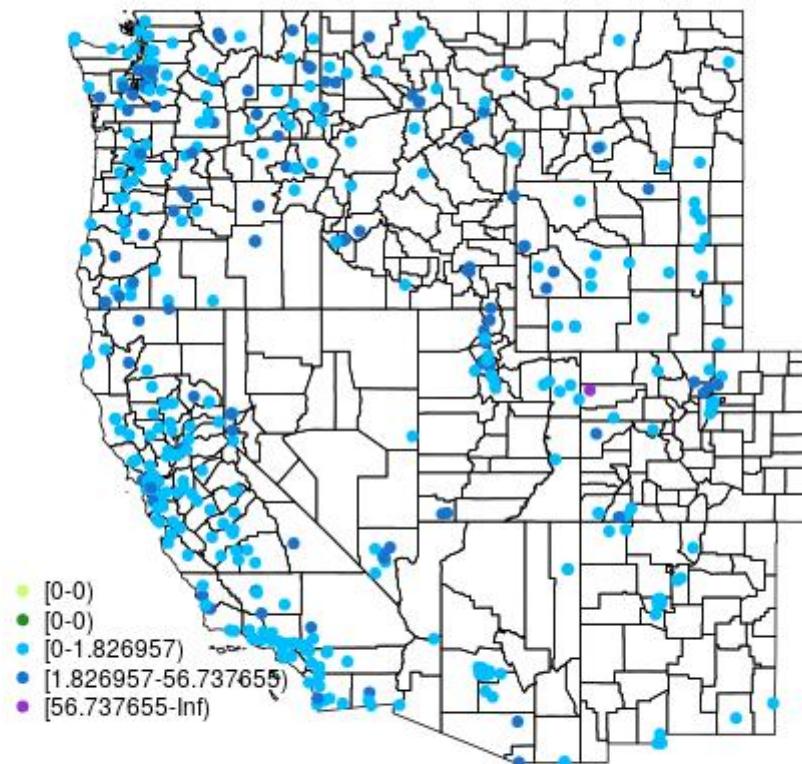


Figure 359: Both-500 Month 6

Both_500 Month 7

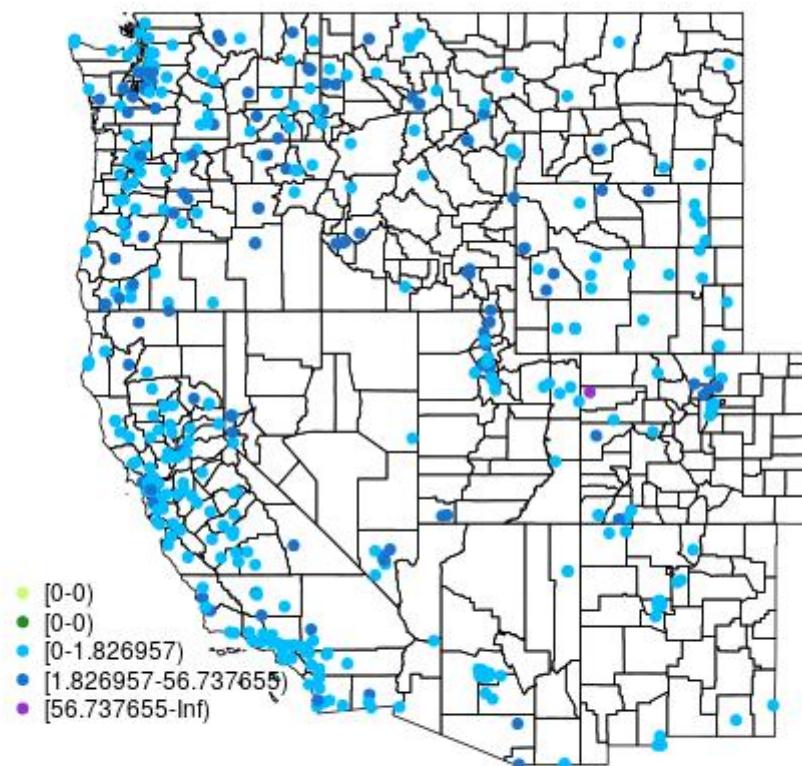


Figure 360: Both-500 Month 7

Both_500 Month 8

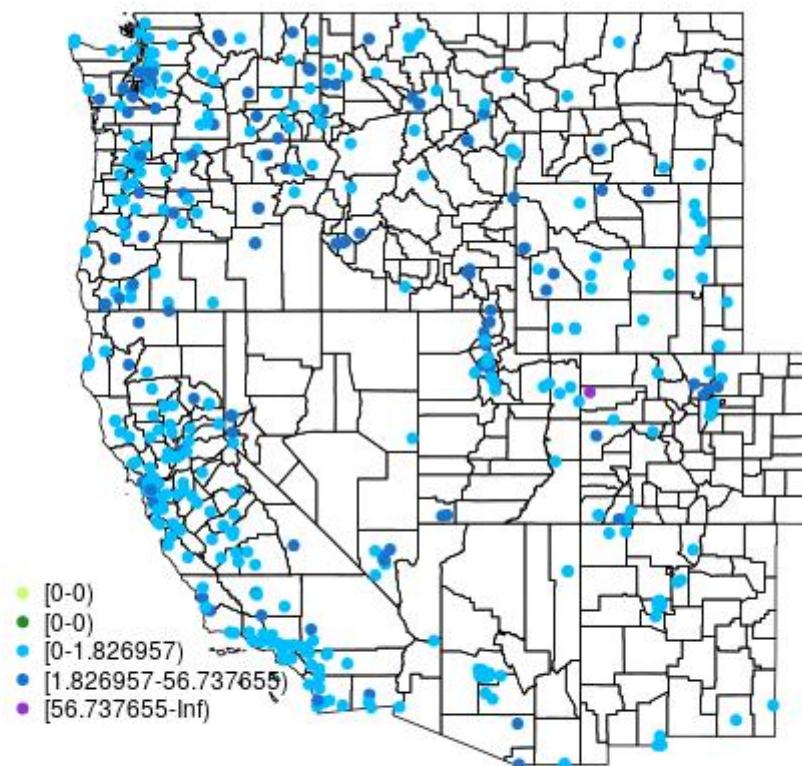


Figure 361: Both-500 Month 8

Both_500 Month 9

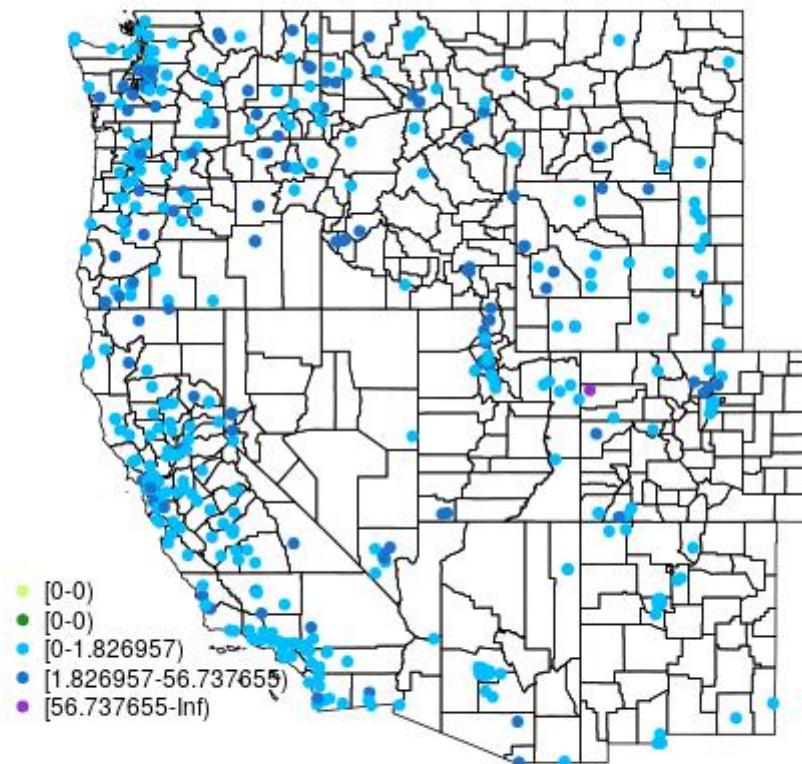


Figure 362: Both-500 Month 9

Both_500 Month 10

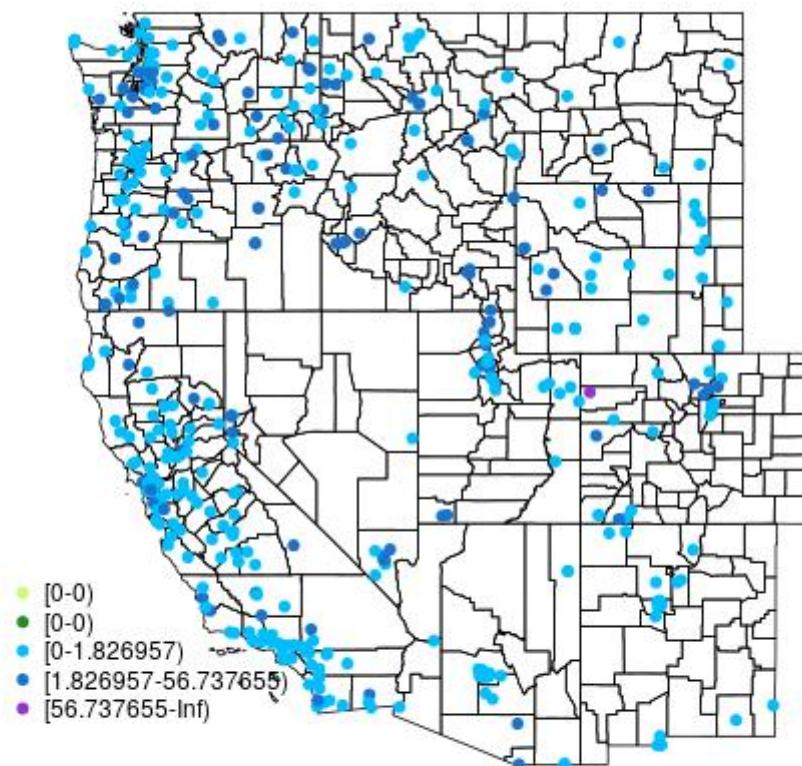


Figure 363: Both-500 Month 10

Both_500 Month 11

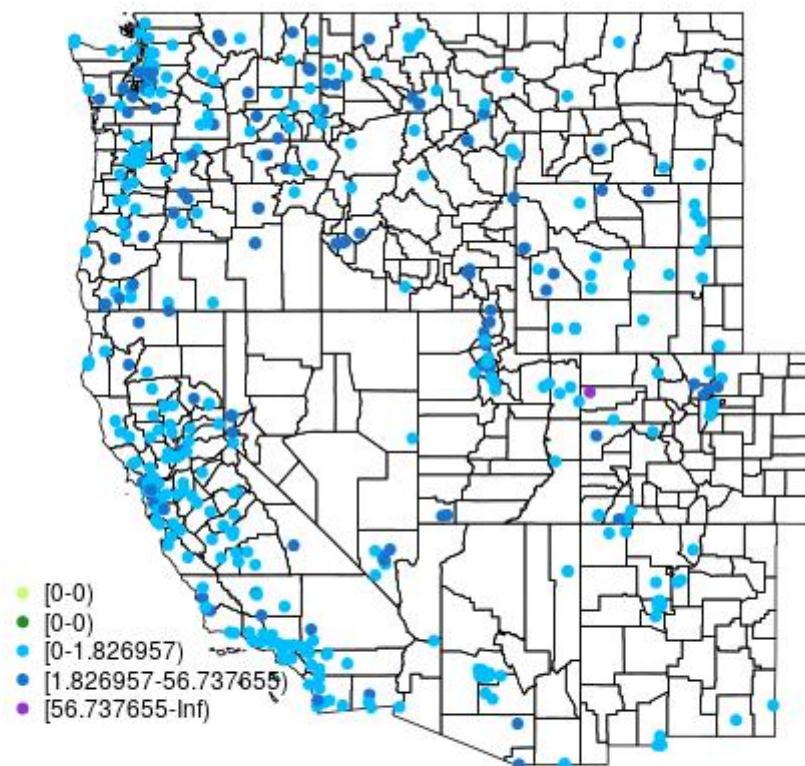


Figure 364: Both-500 Month 11

Both_500 Month 12

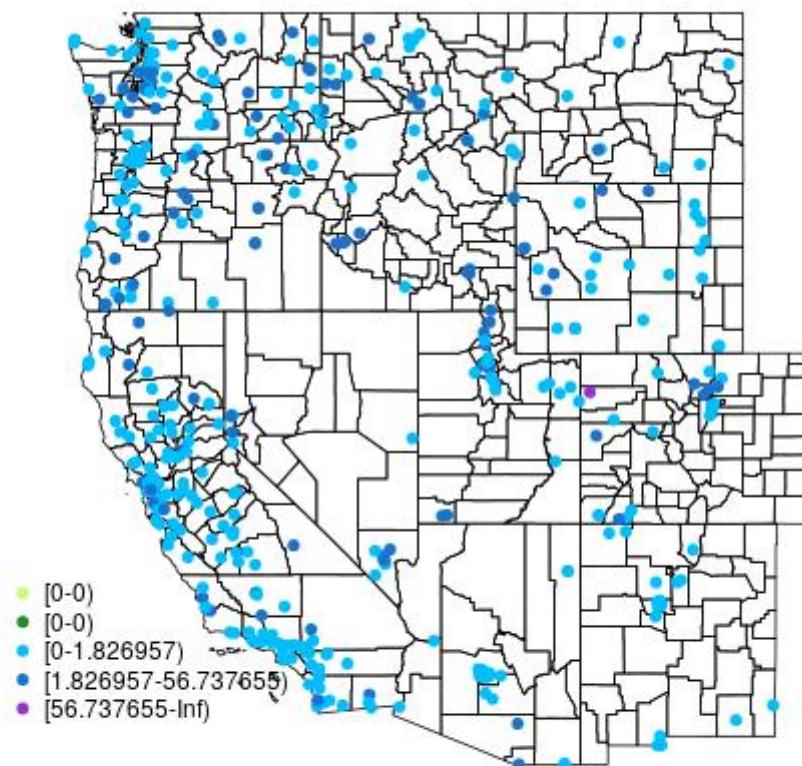


Figure 365: Both-500 Month 12

A_1000 Month 1

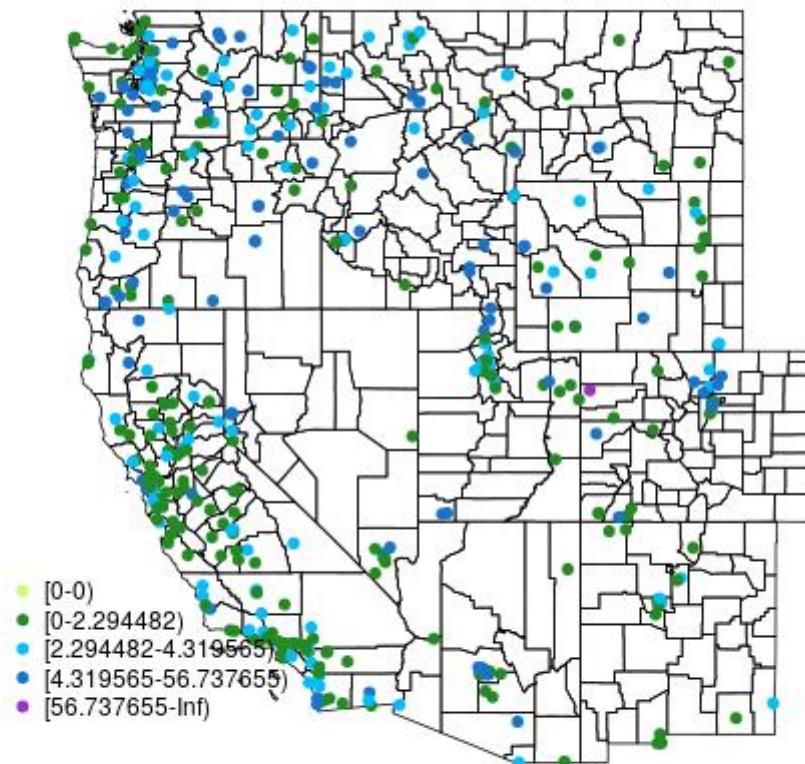


Figure 366: A-1000 Month 1

A_1000 Month 2

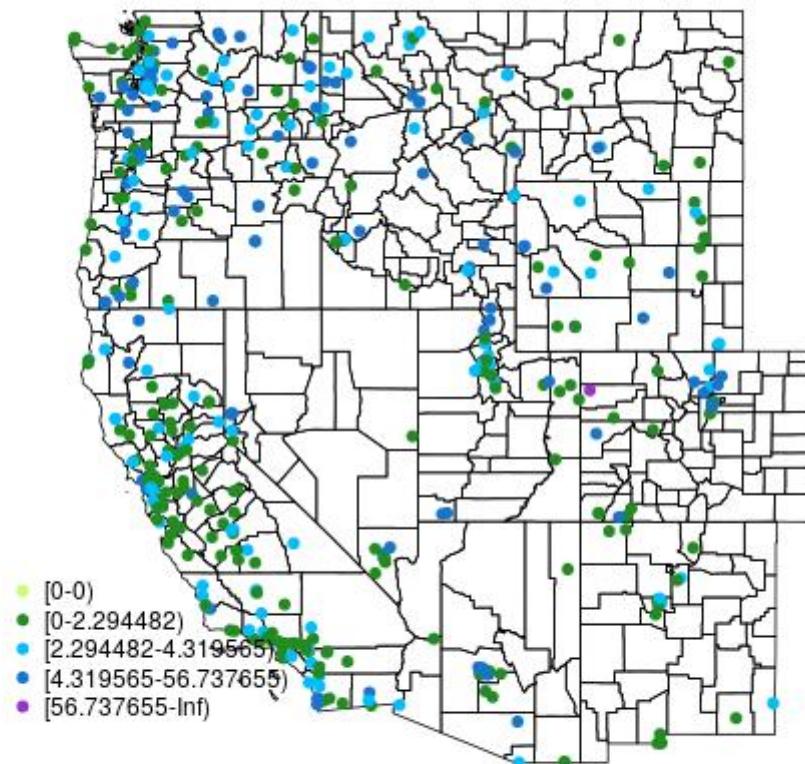


Figure 367: A-1000 Month 2

A_1000 Month 3

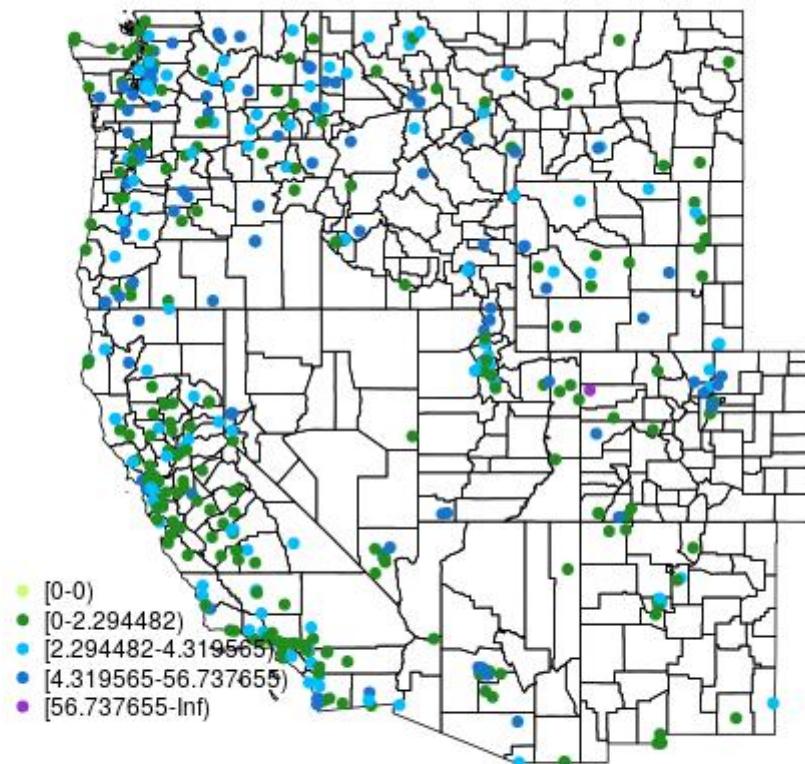


Figure 368: A-1000 Month 3

A_1000 Month 4

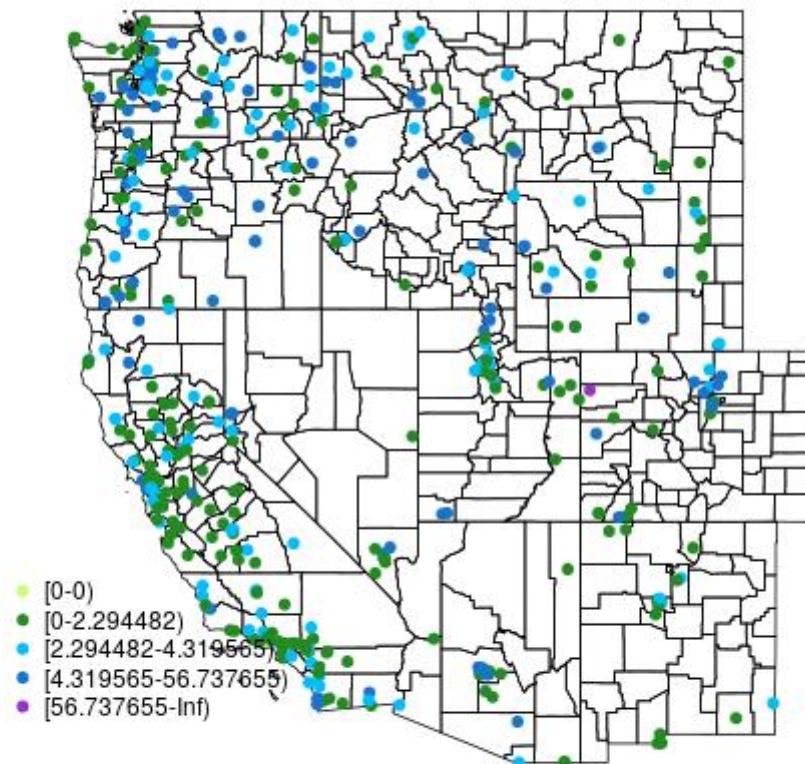


Figure 369: A-1000 Month 4

A_1000 Month 5

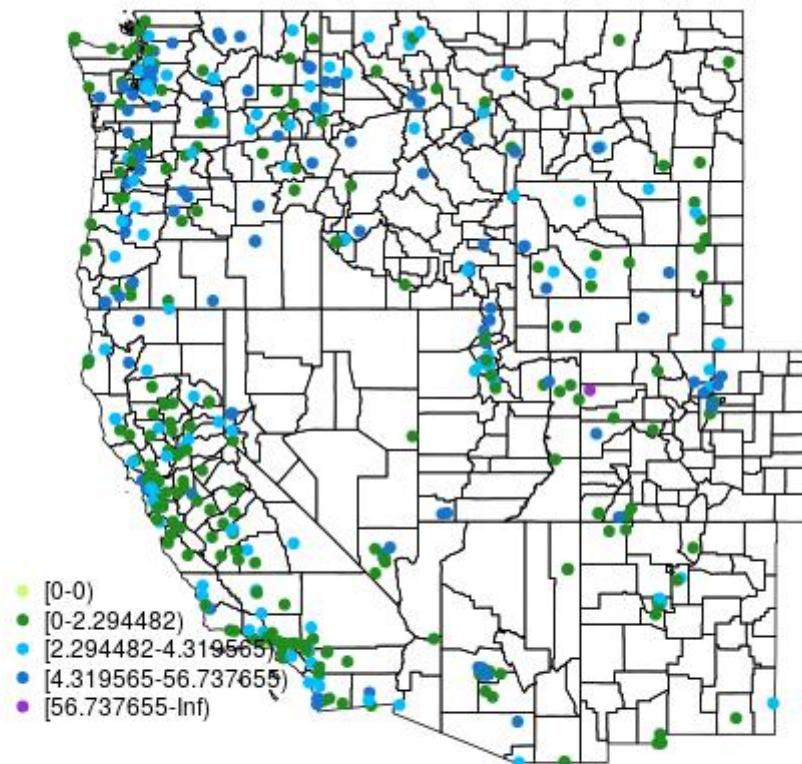


Figure 370: A-1000 Month 5

A_1000 Month 6

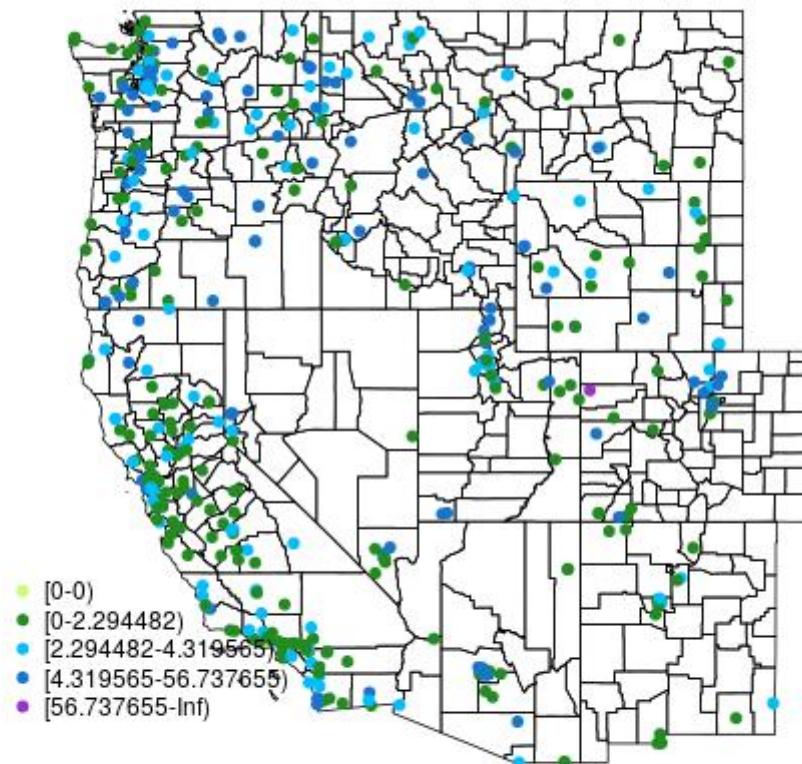


Figure 371: A-1000 Month 6

A_1000 Month 7

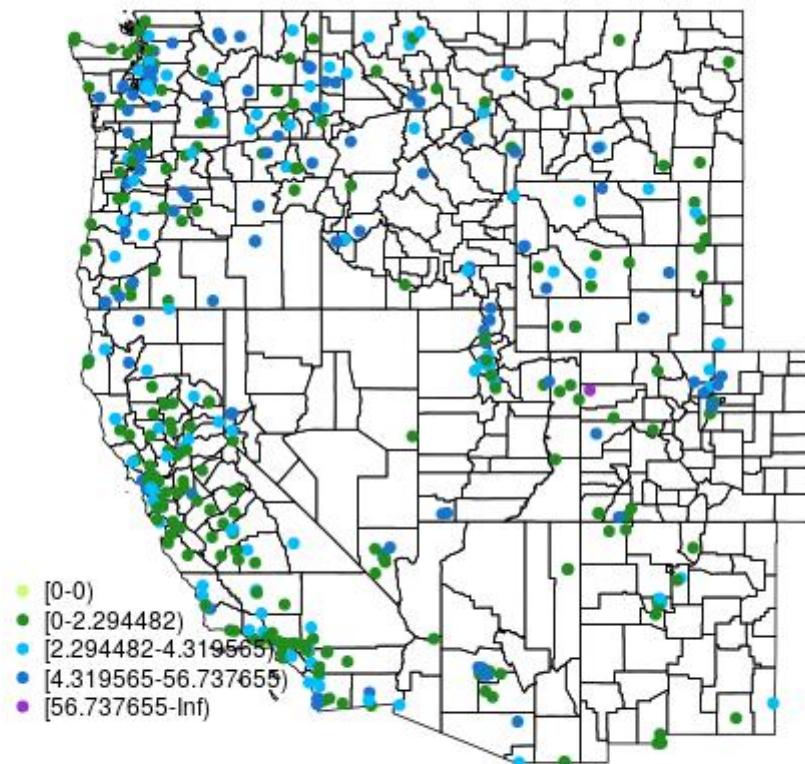


Figure 372: A-1000 Month 7

A_1000 Month 8

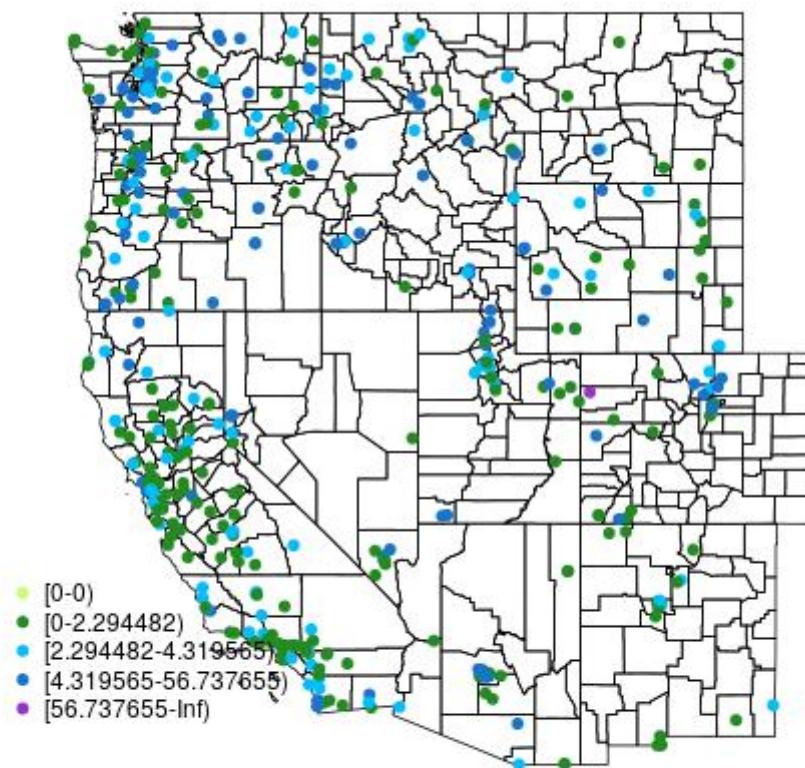


Figure 373: A-1000 Month 8

A_1000 Month 9

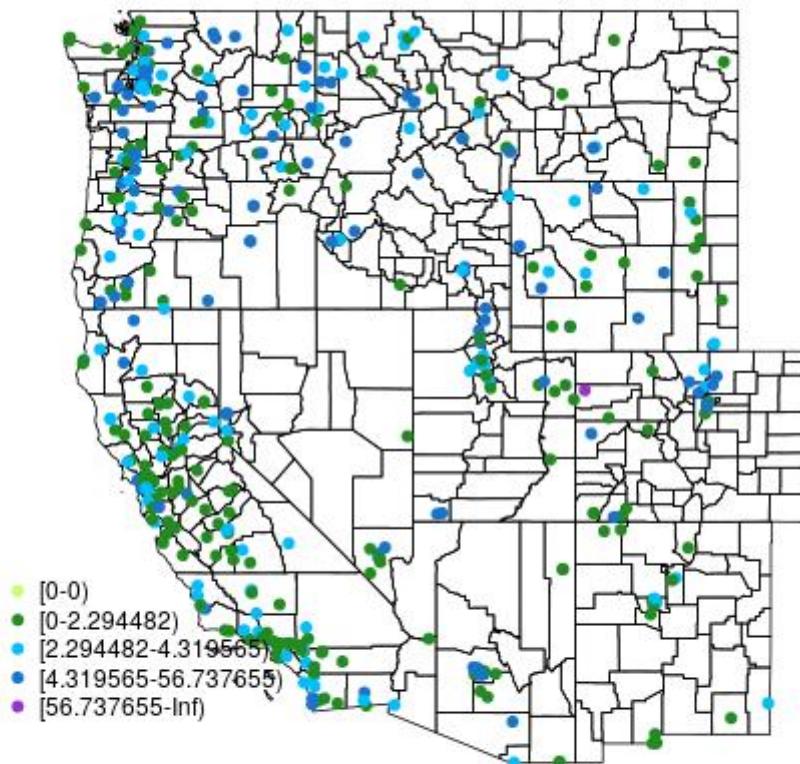


Figure 374: A-1000 Month 9

A_1000 Month 10

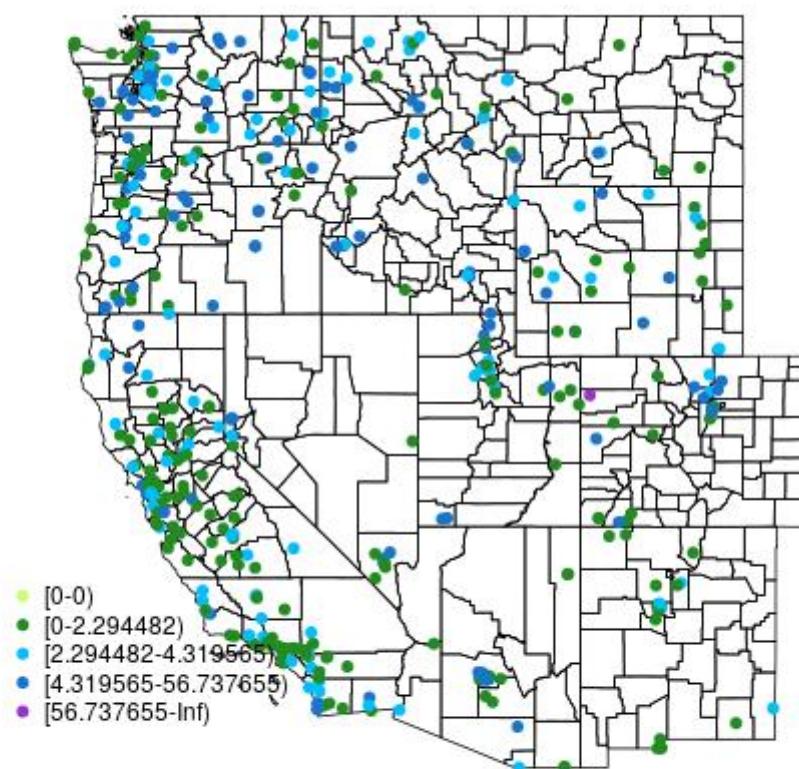


Figure 375: A-1000 Month 10

A_1000 Month 11

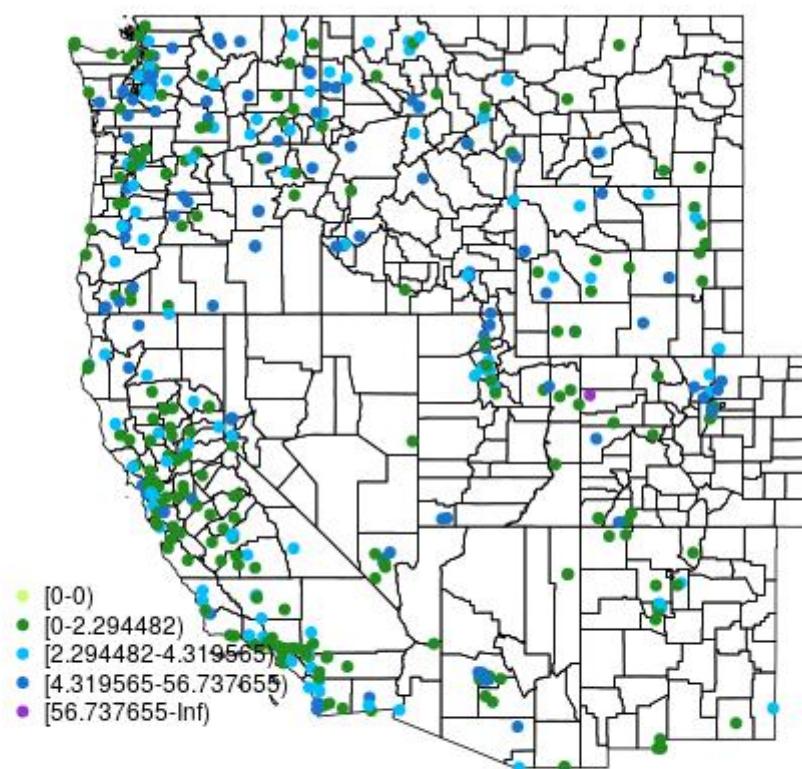


Figure 376: A-1000 Month 11

A_1000 Month 12

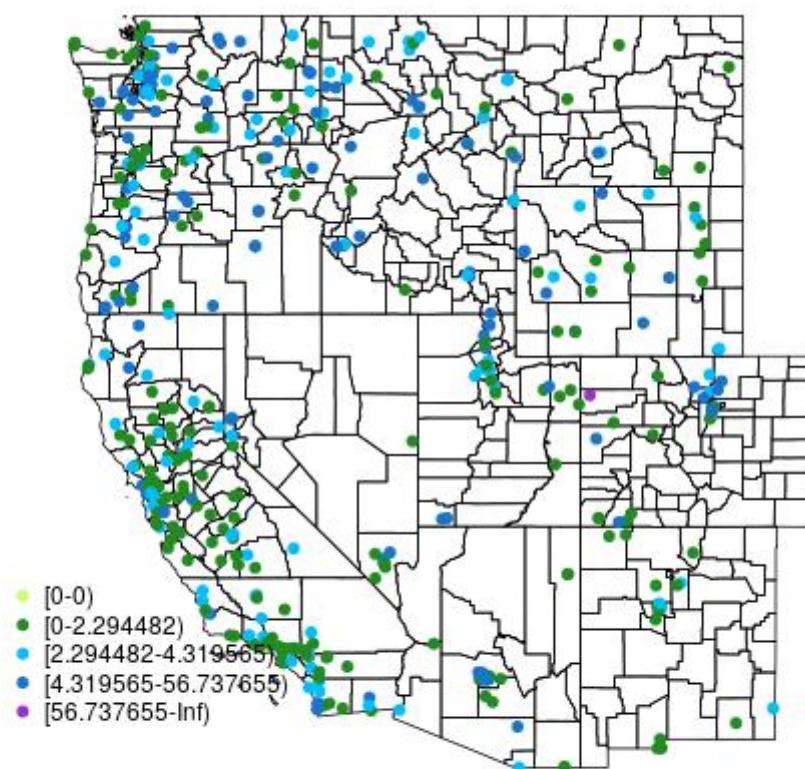


Figure 377: A-1000 Month 12

C_1000 Month 1

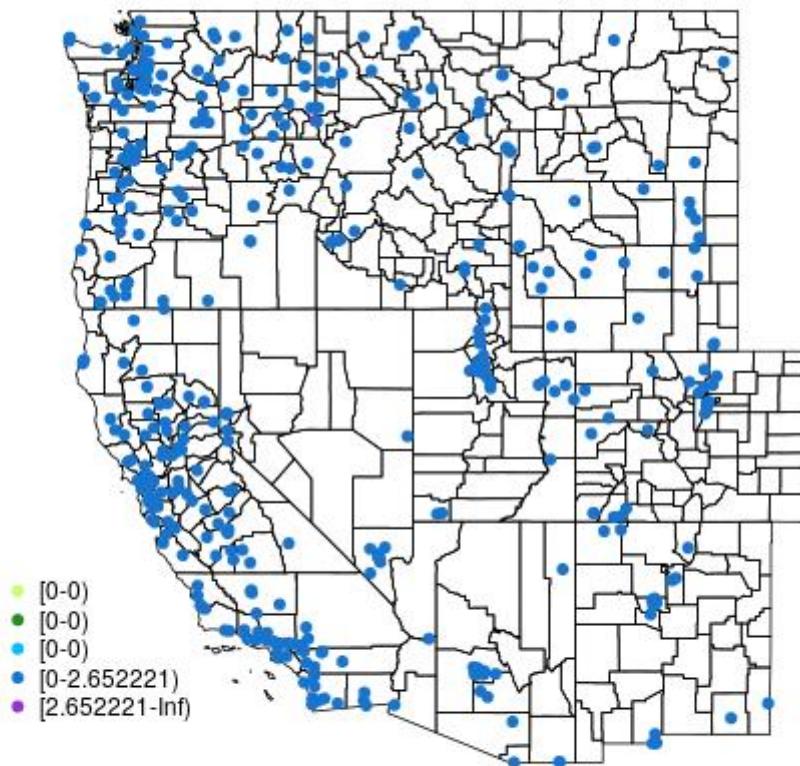


Figure 378: C-1000 Month 1

C_1000 Month 2

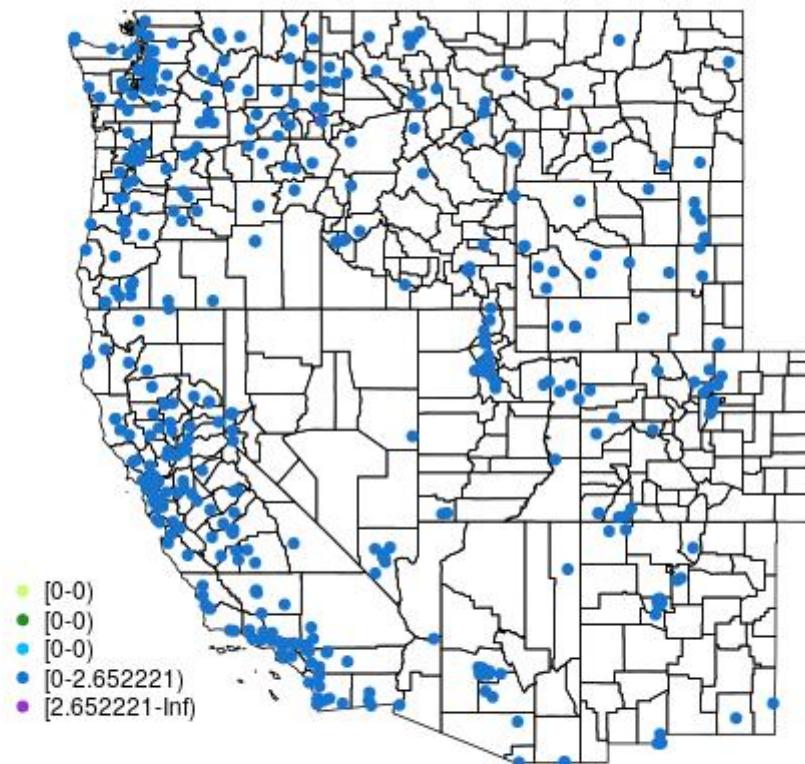


Figure 379: C-1000 Month 2

C_1000 Month 3

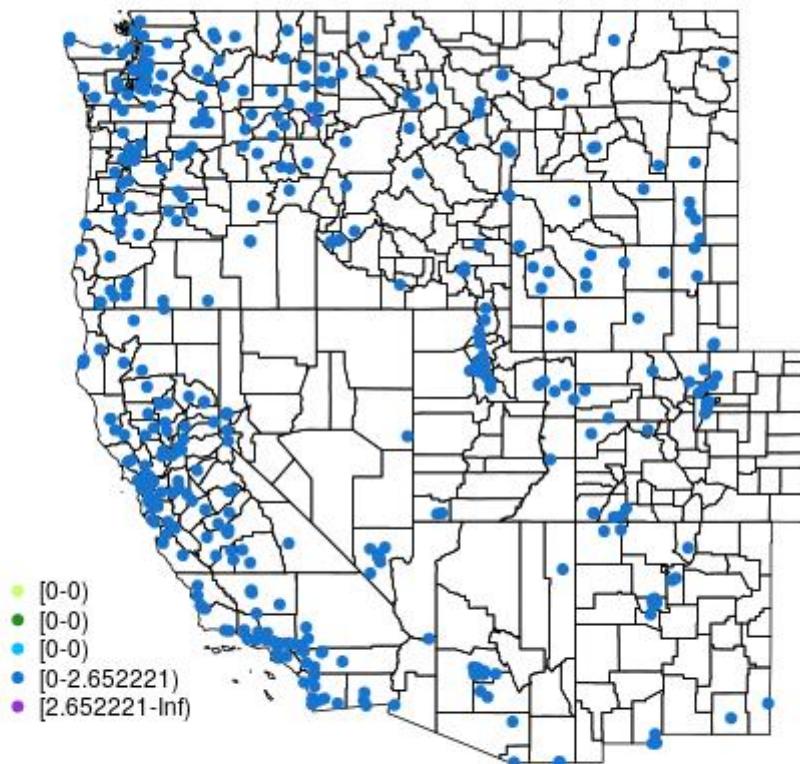


Figure 380: C-1000 Month 3

C_1000 Month 4

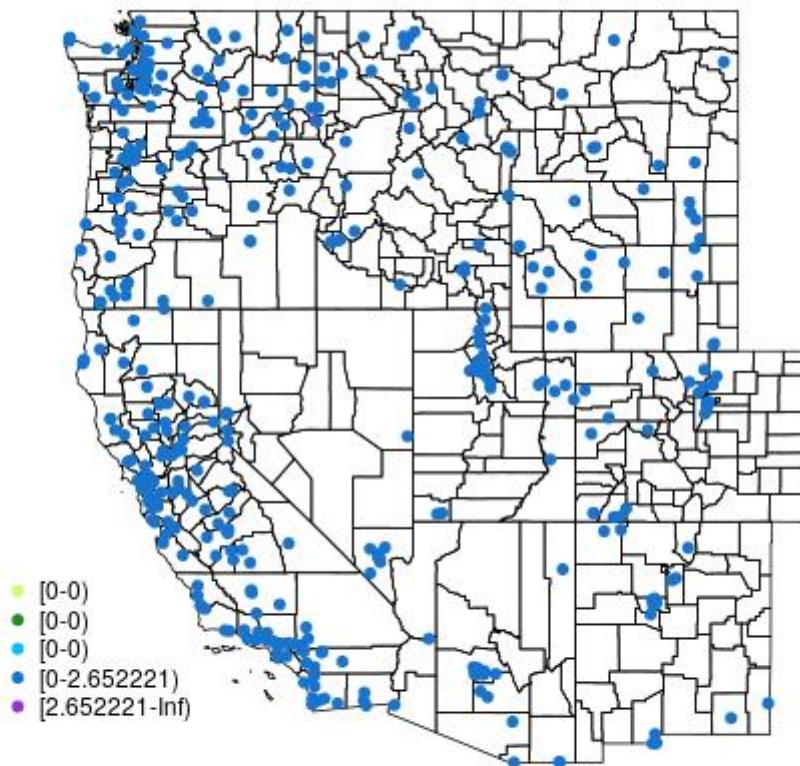


Figure 381: C-1000 Month 4

C_1000 Month 5

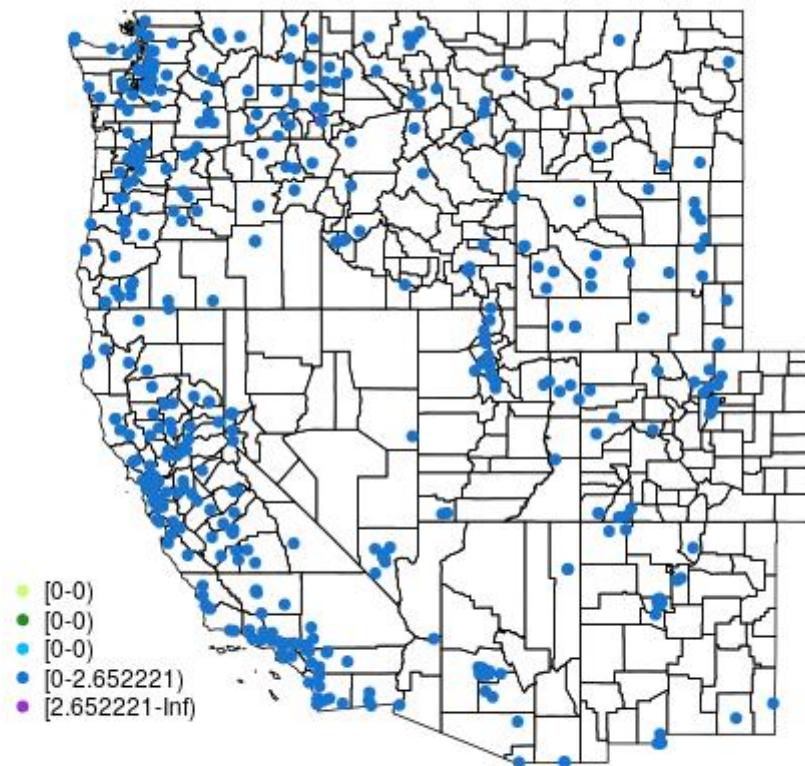


Figure 382: C-1000 Month 5

C_1000 Month 6

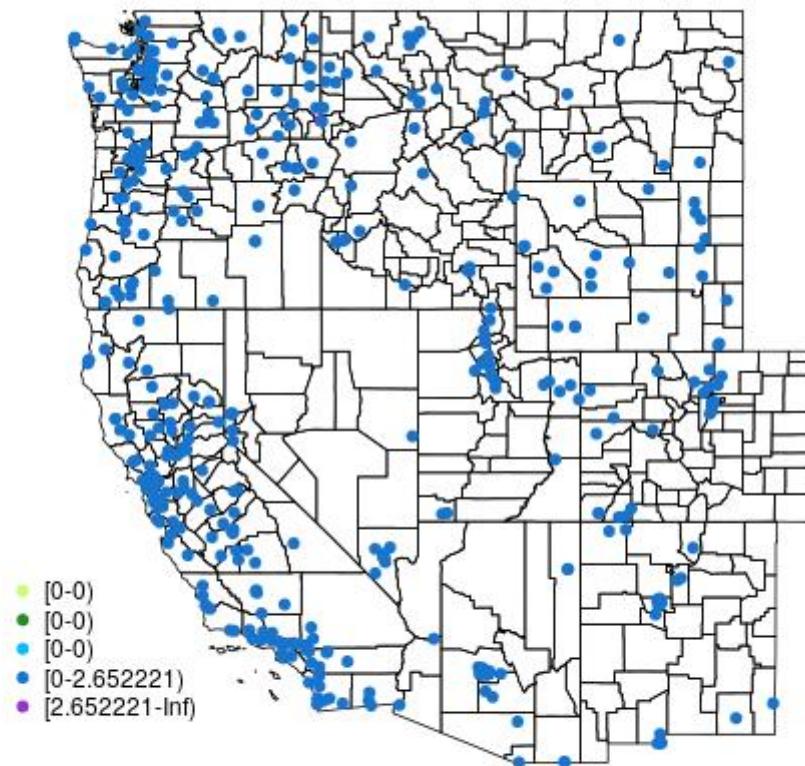


Figure 383: C-1000 Month 6

C_1000 Month 7

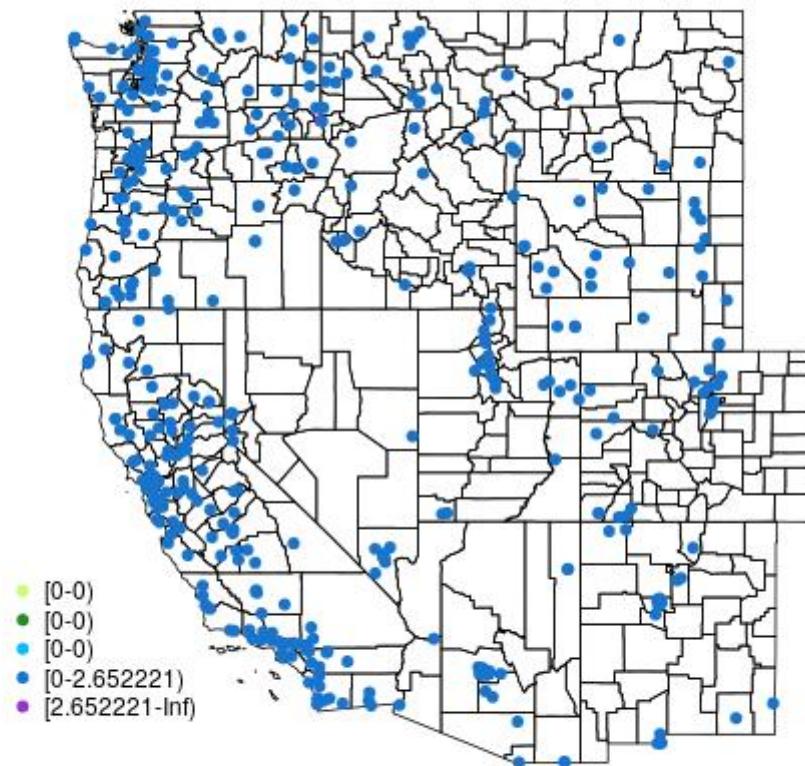


Figure 384: C-1000 Month 7

C_1000 Month 8

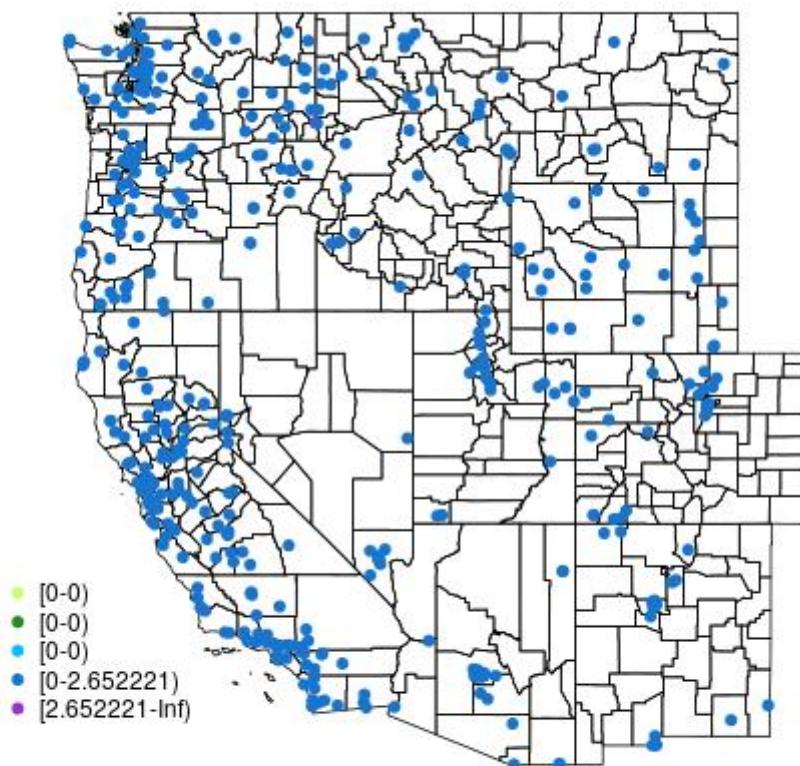


Figure 385: C-1000 Month 8

C_1000 Month 9

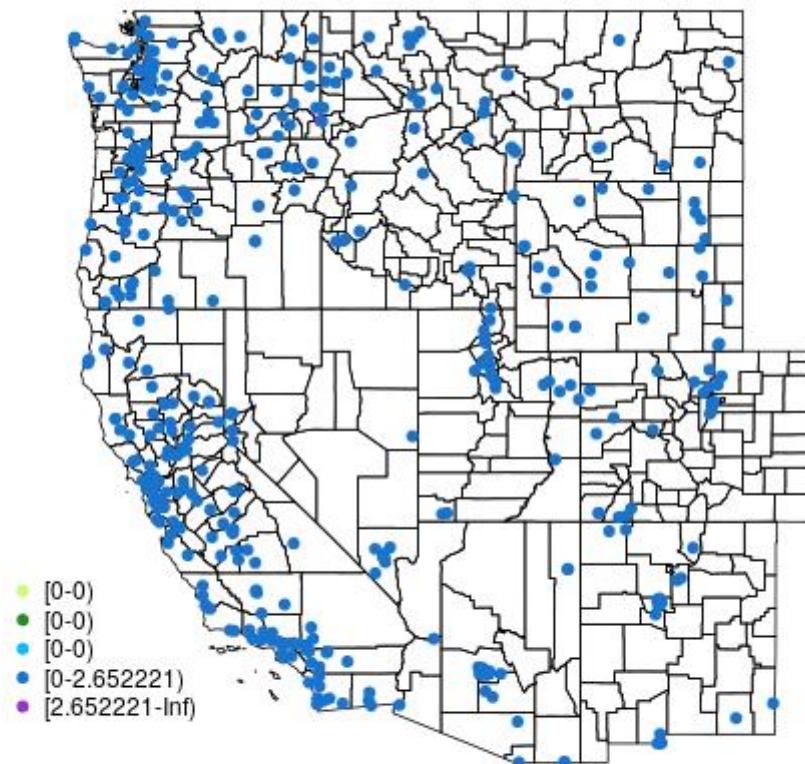


Figure 386: C-1000 Month 9

C_1000 Month 10

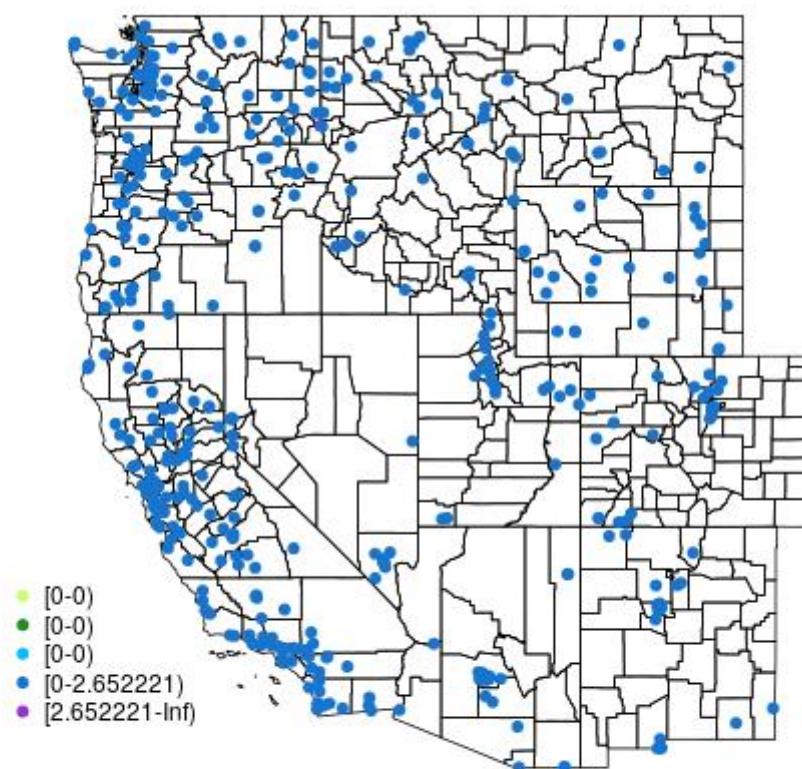


Figure 387: C-1000 Month 10

C_1000 Month 11

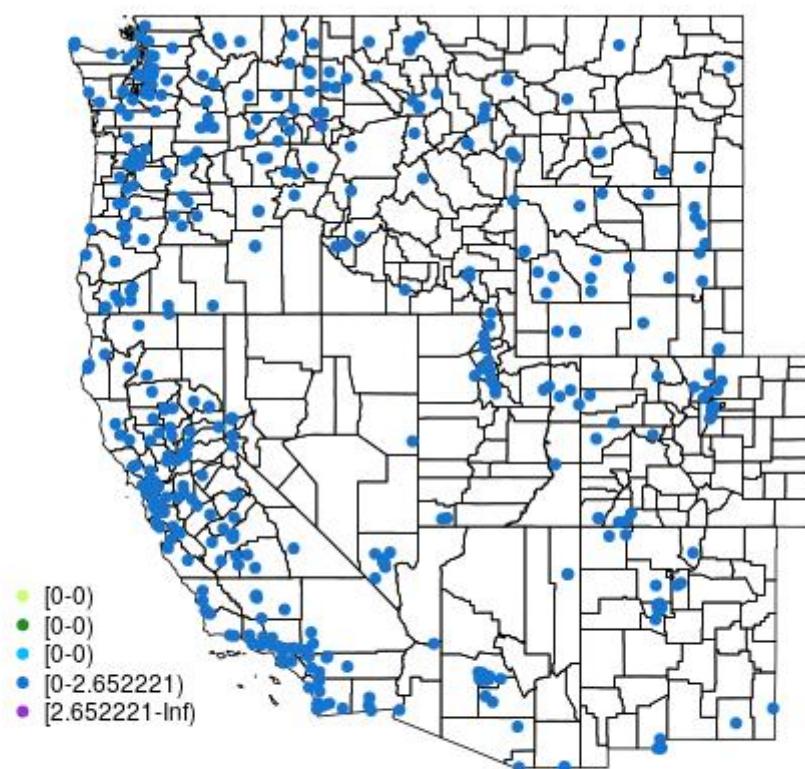


Figure 388: C-1000 Month 11

C_1000 Month 12

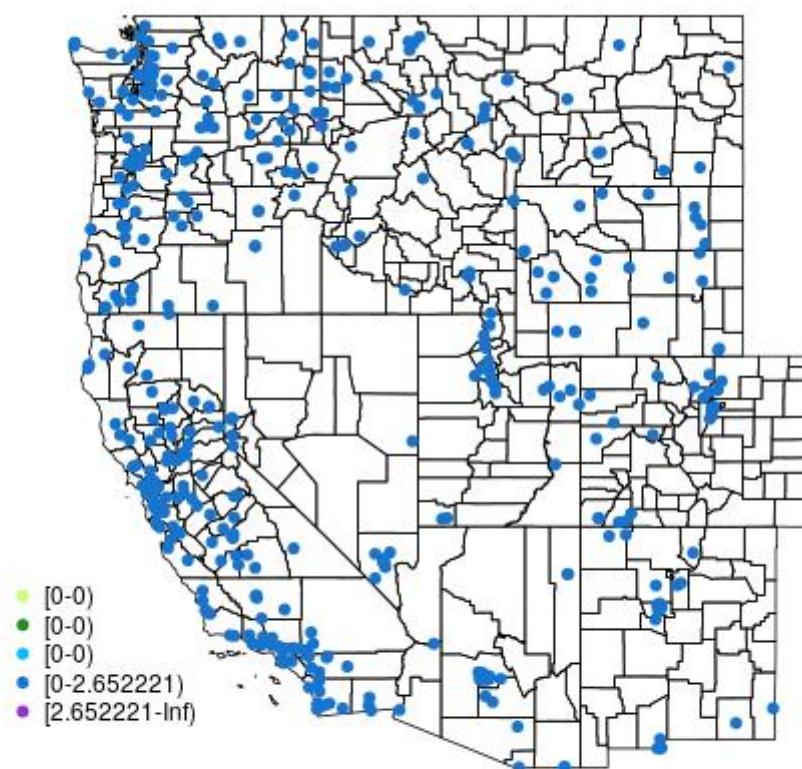


Figure 389: C-1000 Month 12

Both_1000 Month 1

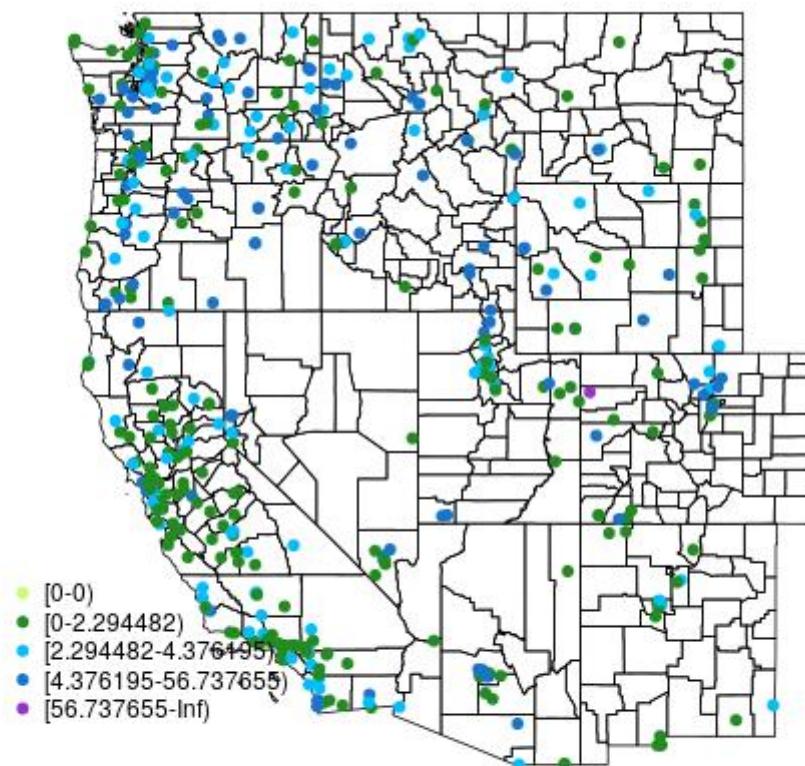


Figure 390: Both-1000 Month 1

Both_1000 Month 2

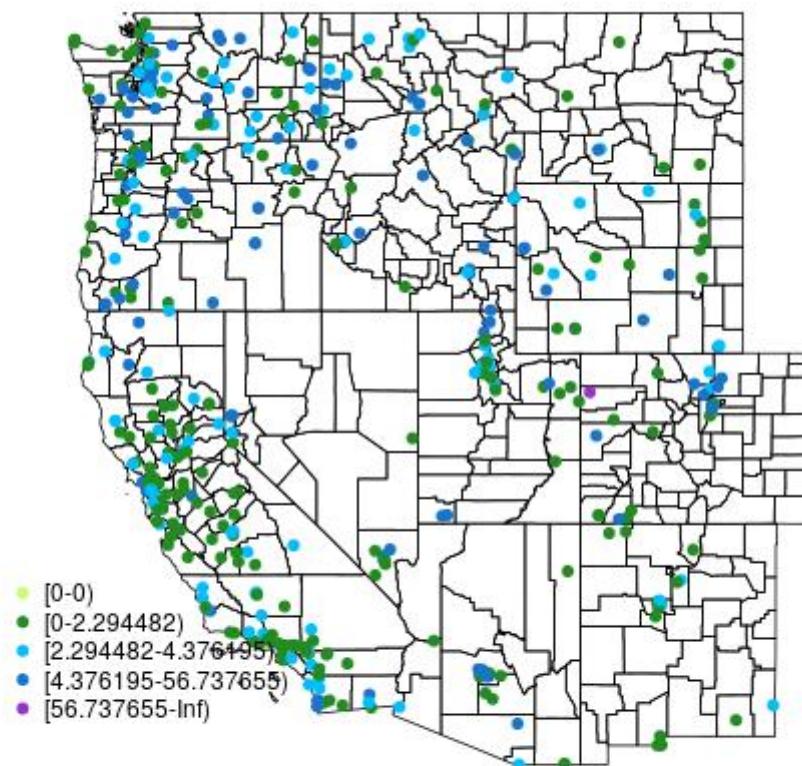


Figure 391: Both-1000 Month 2

Both_1000 Month 3

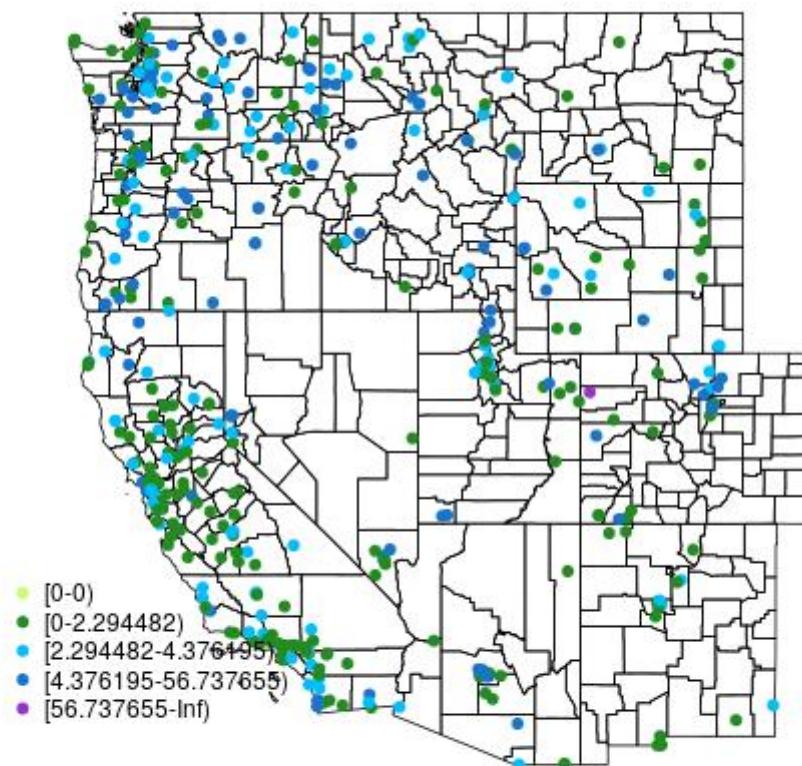


Figure 392: Both-1000 Month 3

Both_1000 Month 4

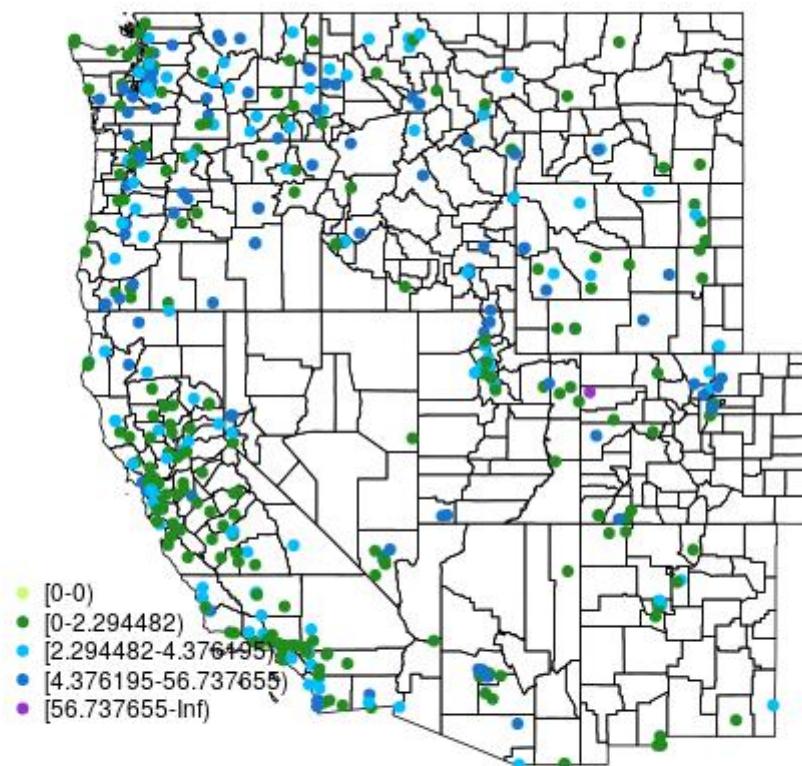


Figure 393: Both-1000 Month 4

Both_1000 Month 5

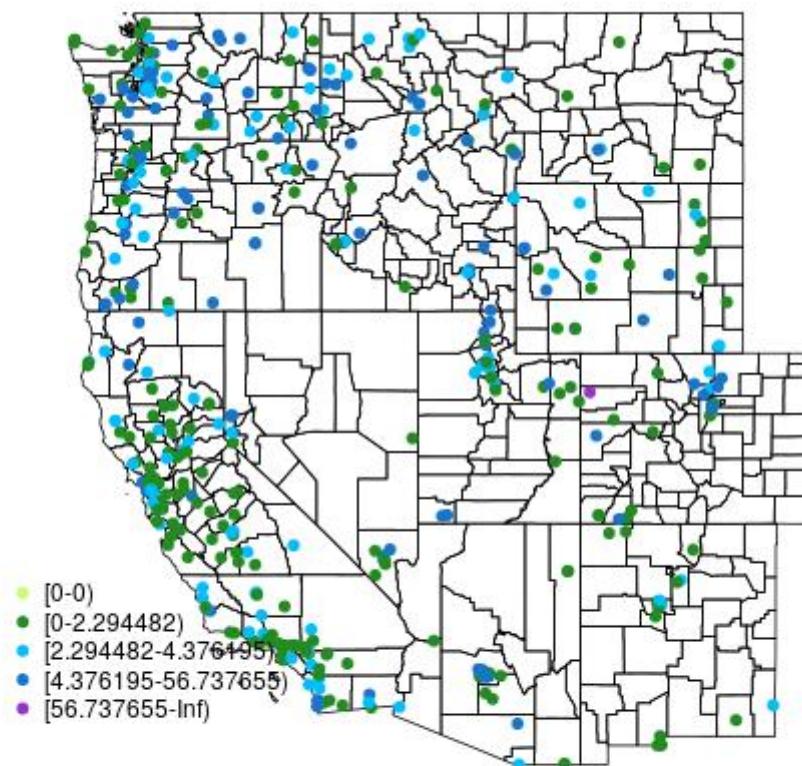


Figure 394: Both-1000 Month 5

Both_1000 Month 6

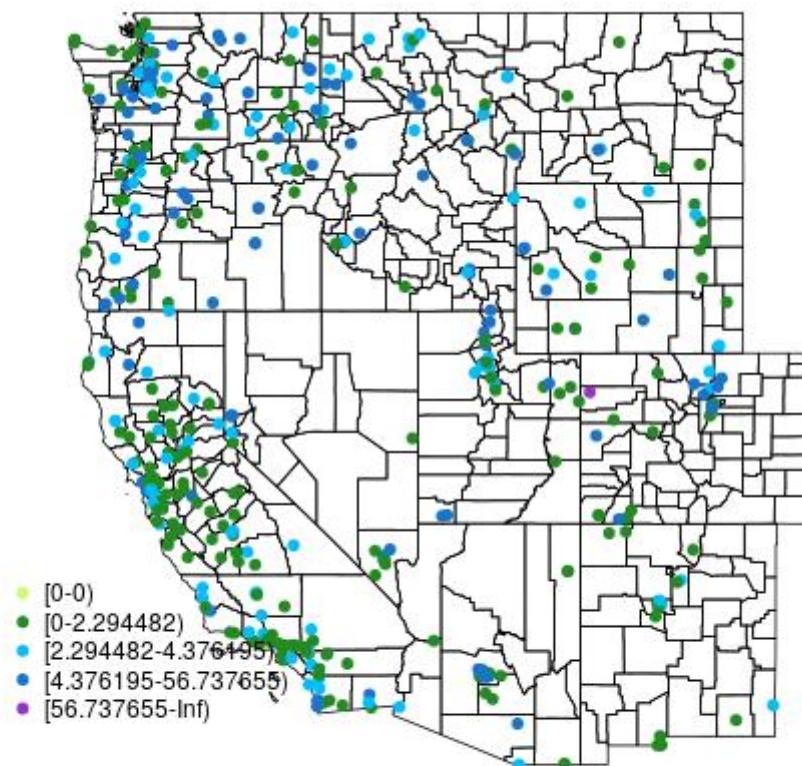


Figure 395: Both-1000 Month 6

Both_1000 Month 7

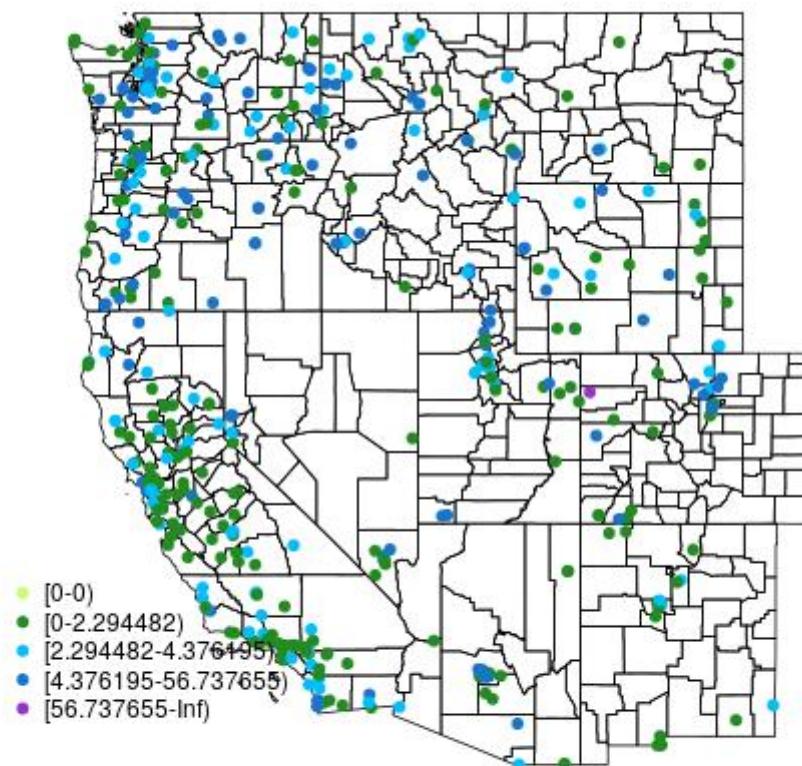


Figure 396: Both-1000 Month 7

Both_1000 Month 8

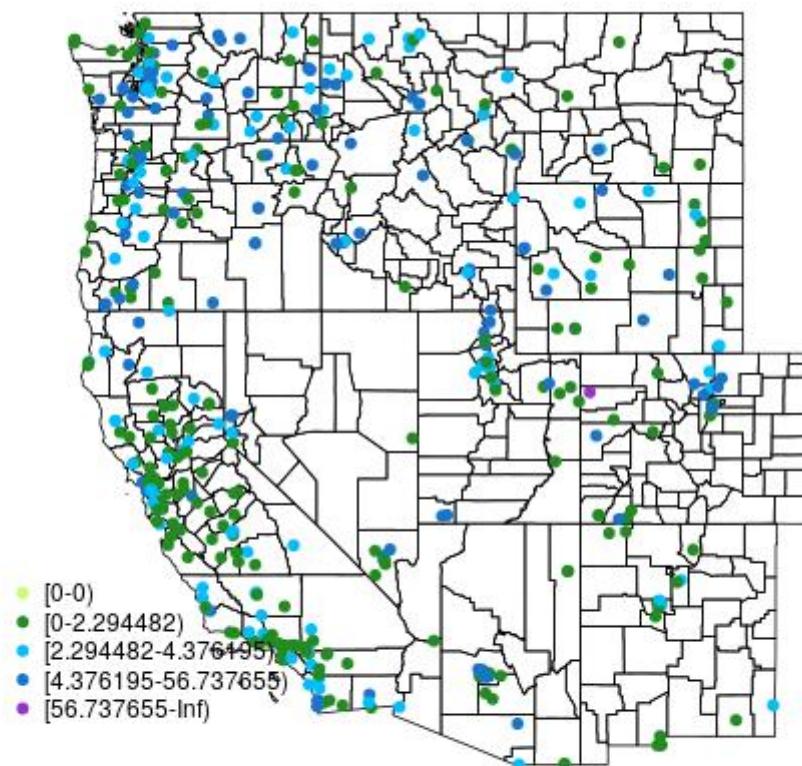


Figure 397: Both-1000 Month 8

Both_1000 Month 9

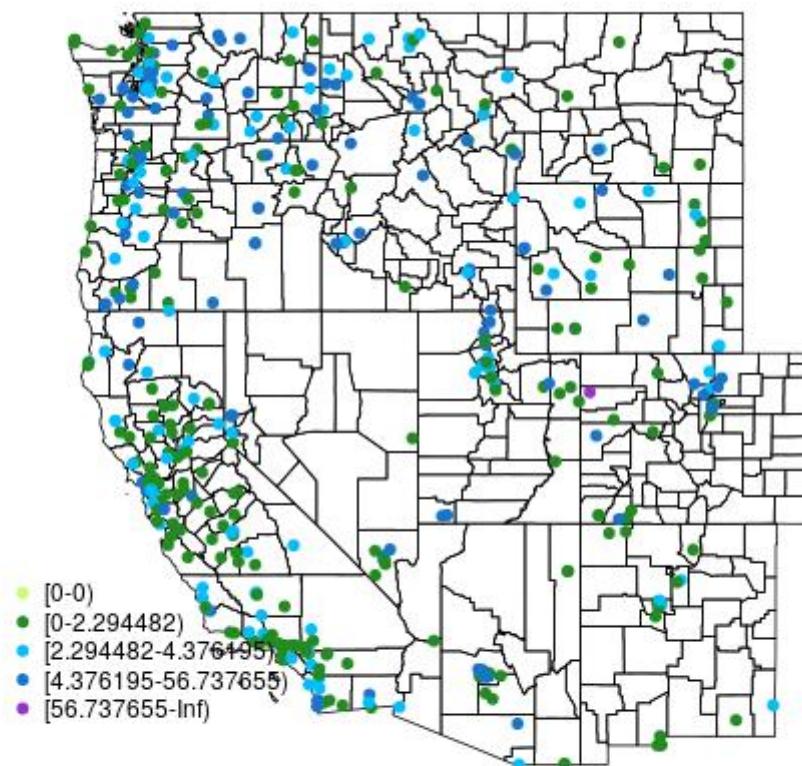


Figure 398: Both-1000 Month 9

Both_1000 Month 10

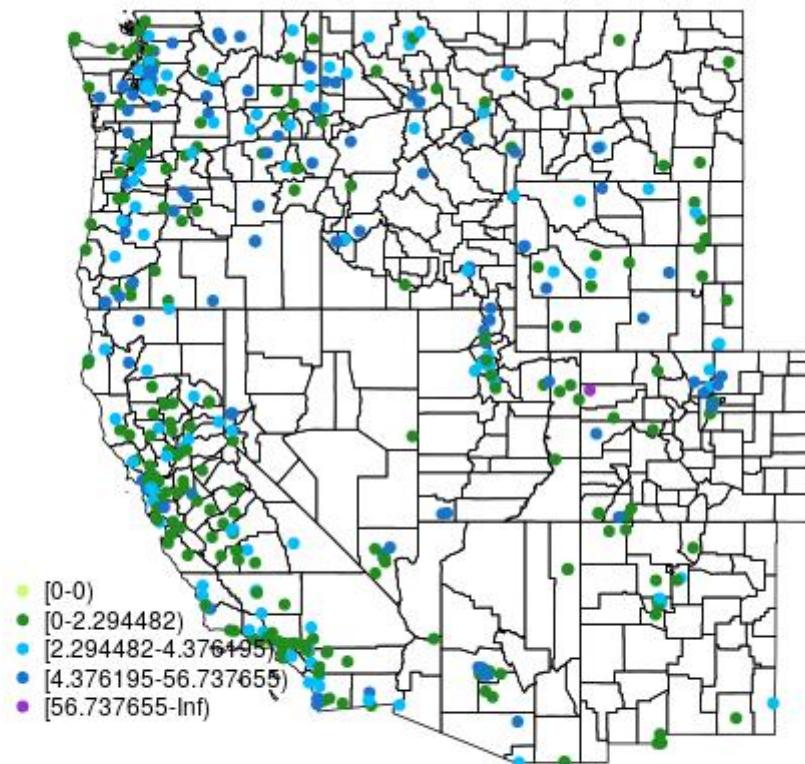


Figure 399: Both-1000 Month 10

Both_1000 Month 11

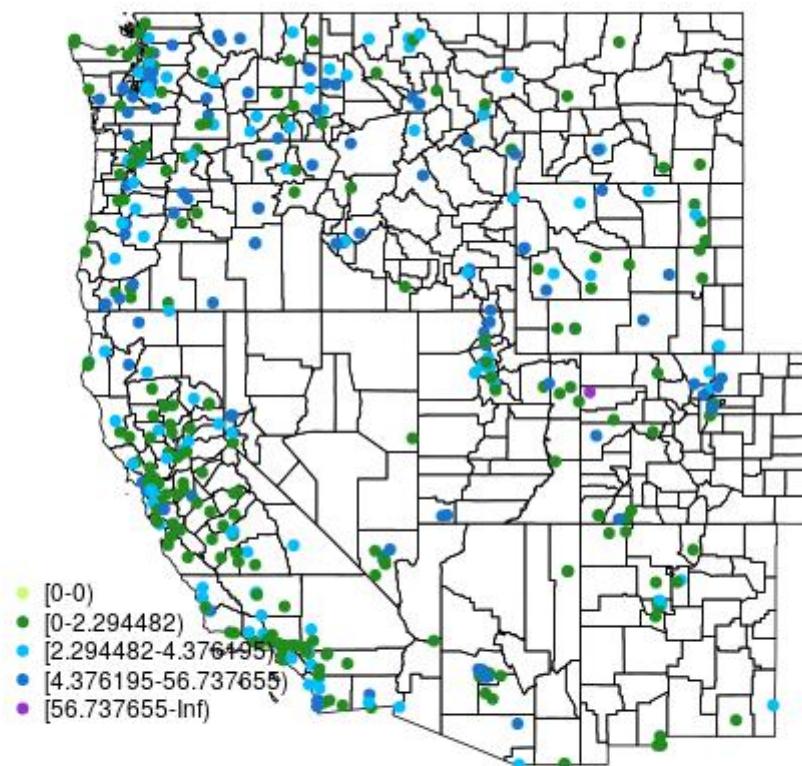


Figure 400: Both-1000 Month 11

Both_1000 Month 12

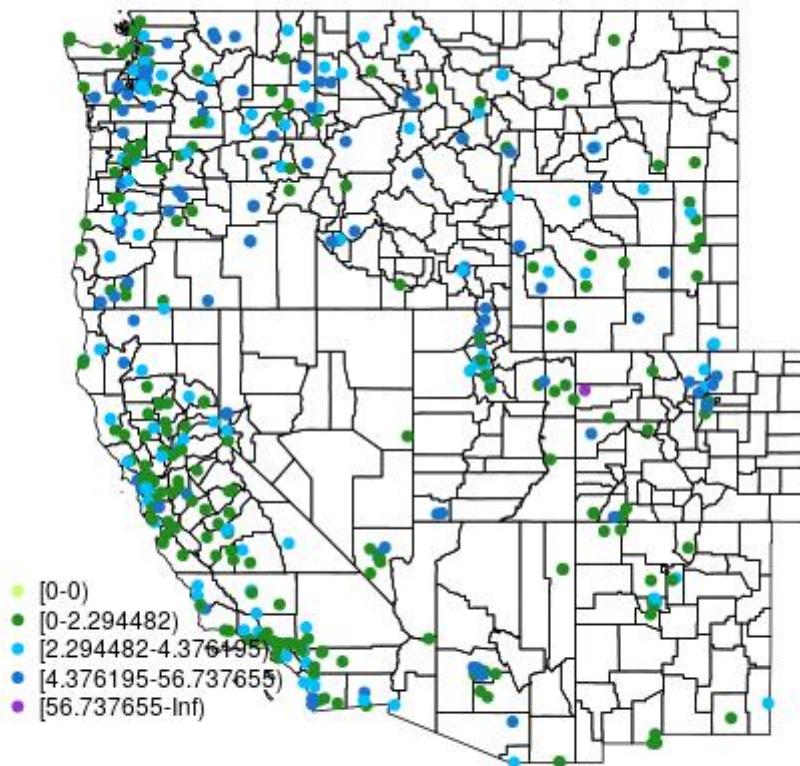


Figure 401: Both-1000 Month 12

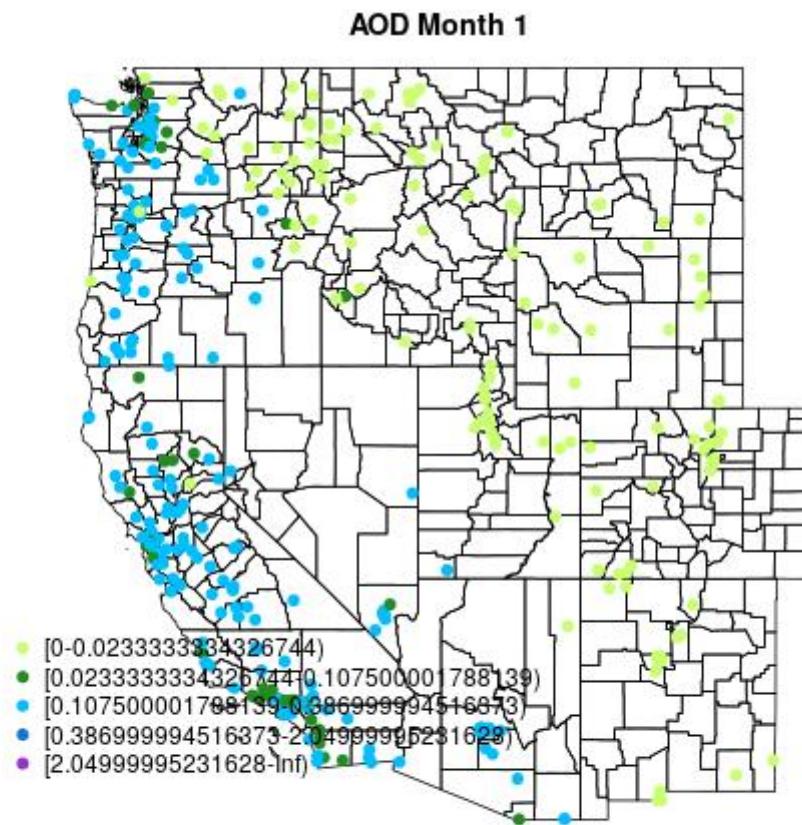


Figure 402: AOD Month 1

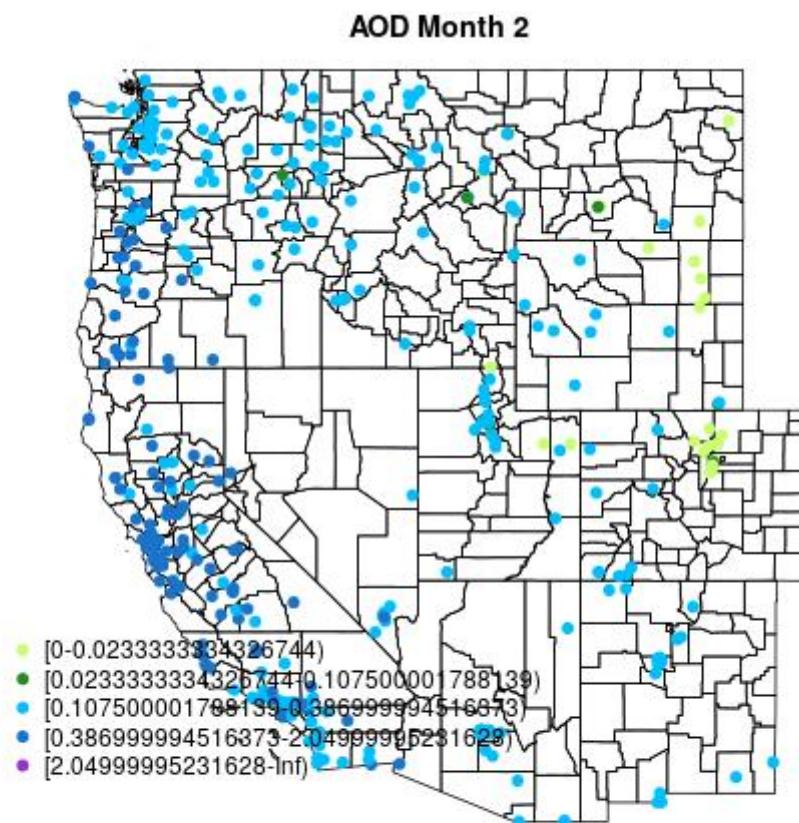


Figure 403: AOD Month 2

AOD Month 3

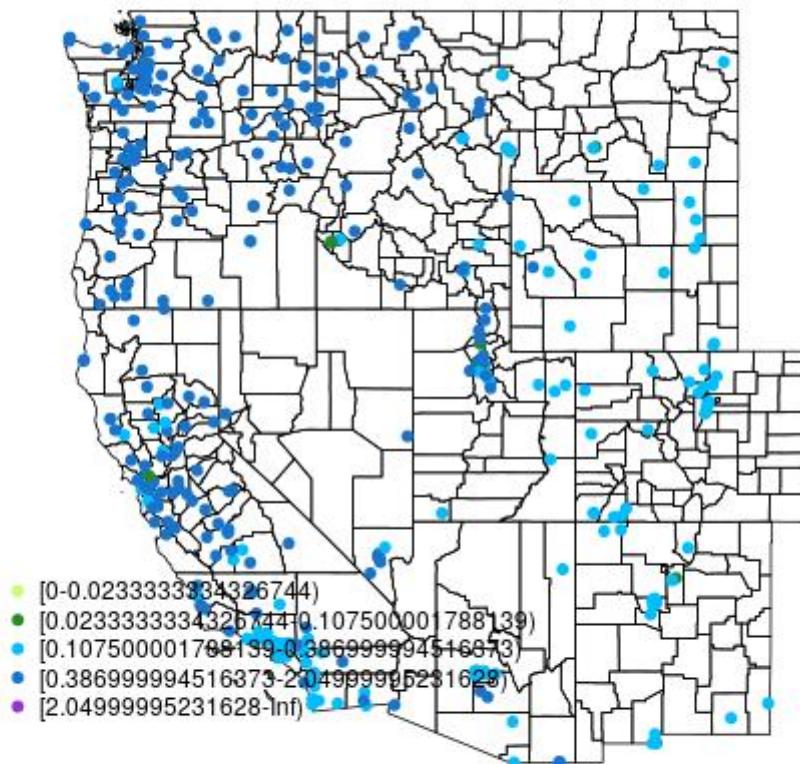


Figure 404: AOD Month 3

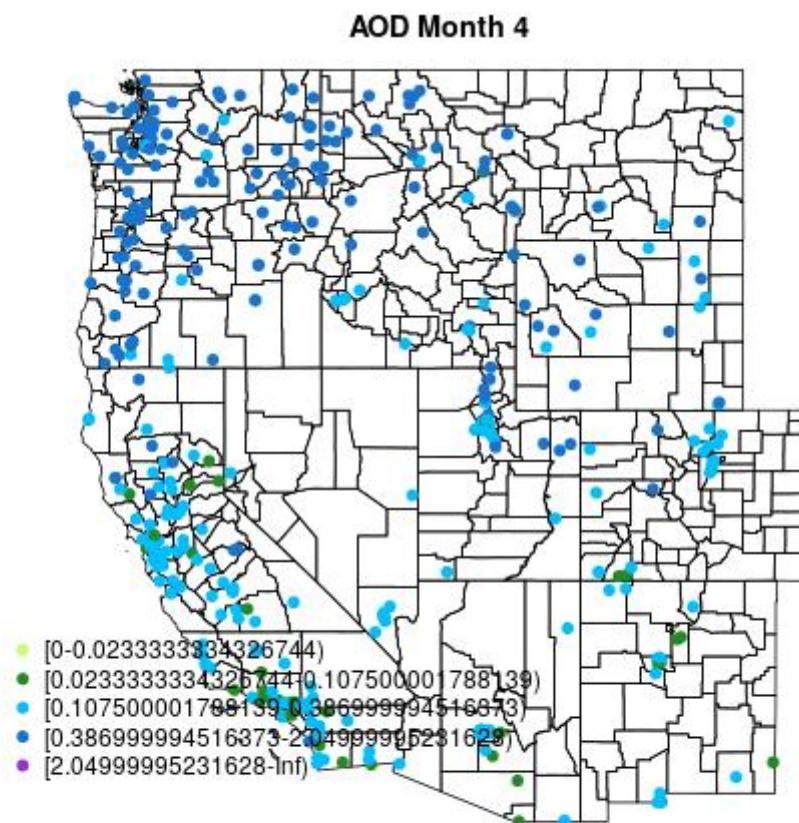


Figure 405: AOD Month 4

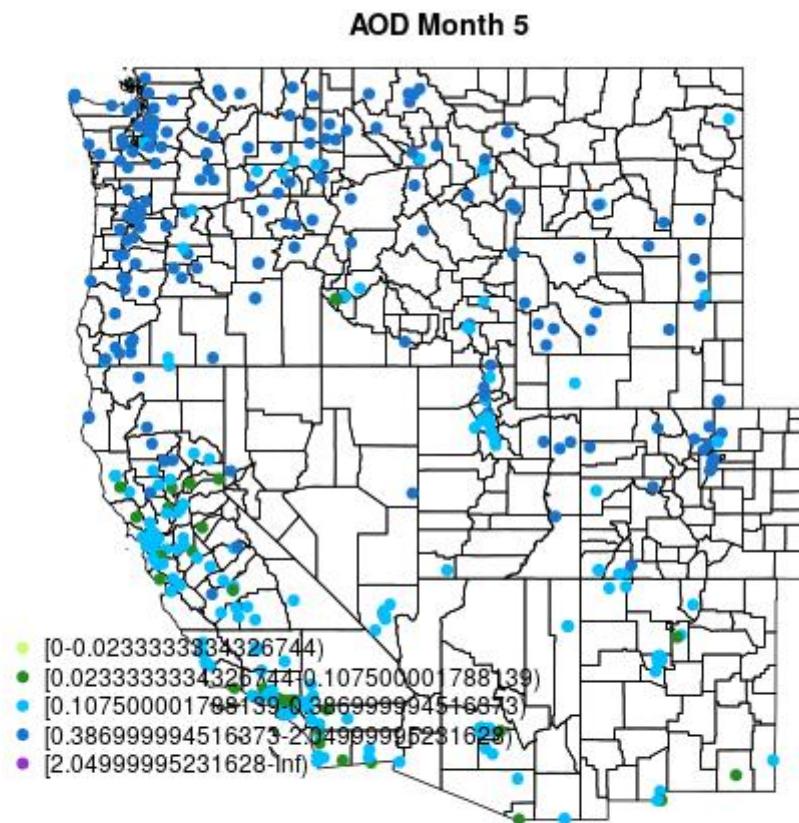


Figure 406: AOD Month 5

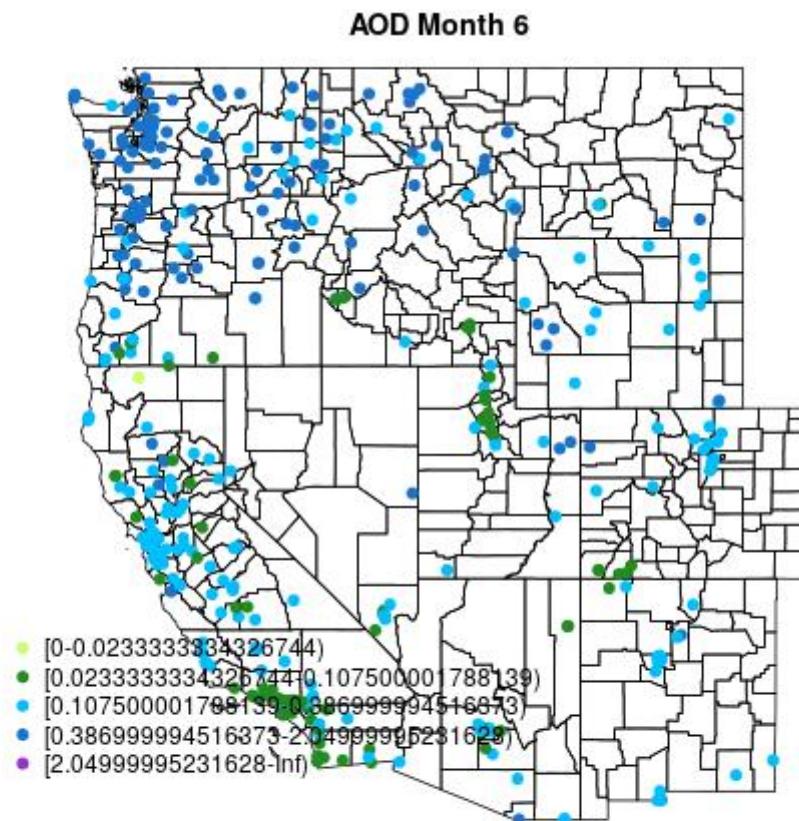


Figure 407: AOD Month 6

AOD Month 7

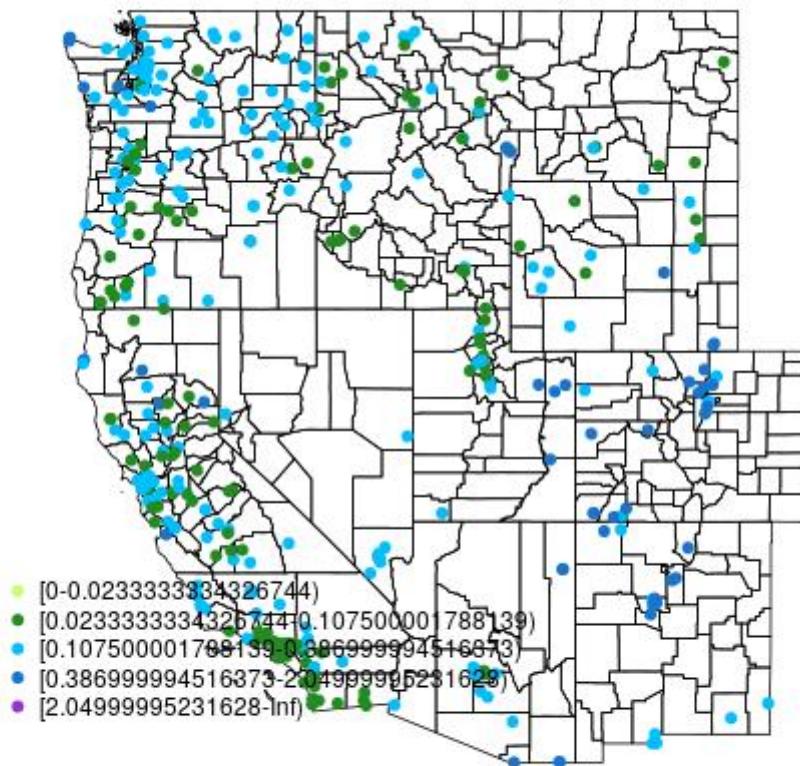


Figure 408: AOD Month 7

AOD Month 8

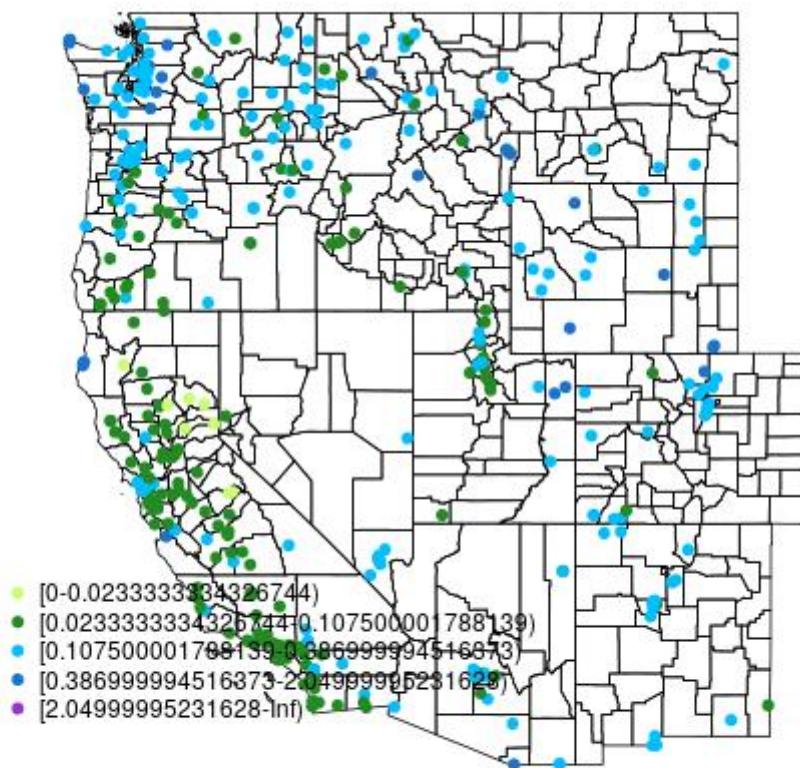


Figure 409: AOD Month 8

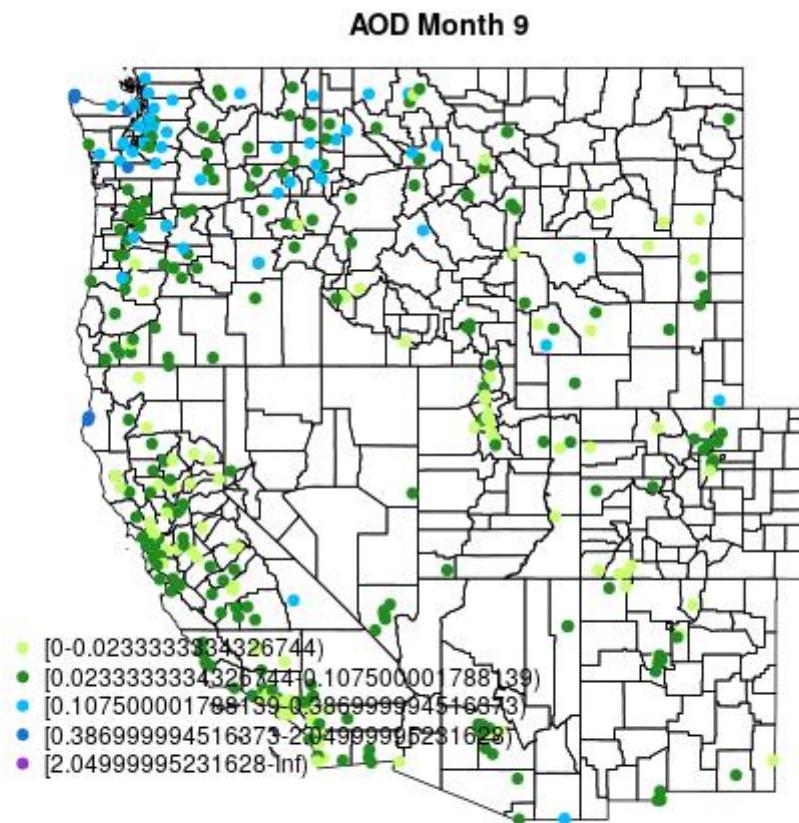


Figure 410: AOD Month 9

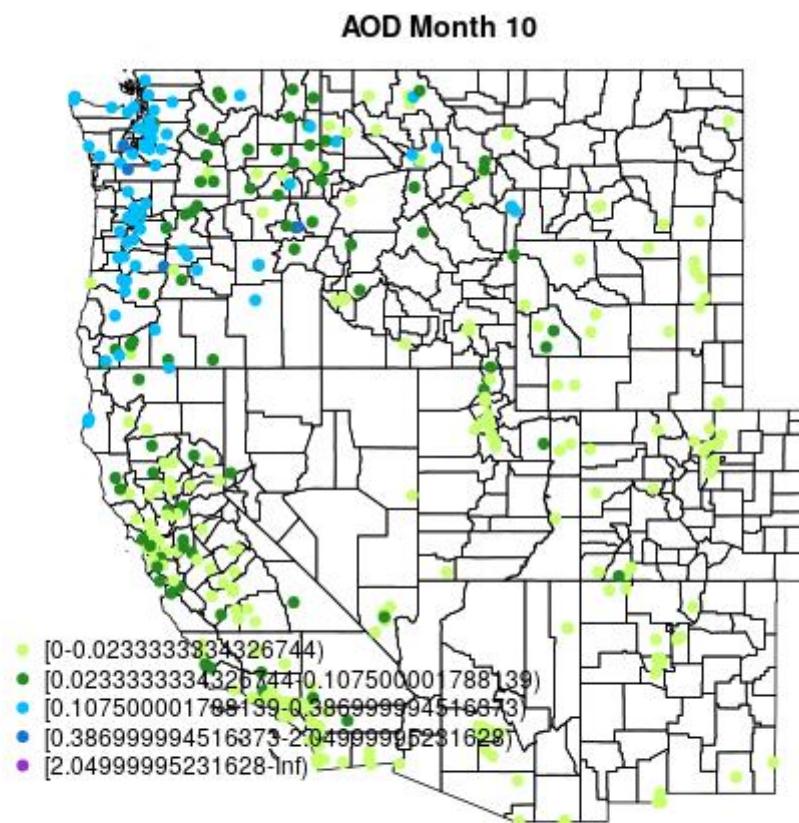


Figure 411: AOD Month 10

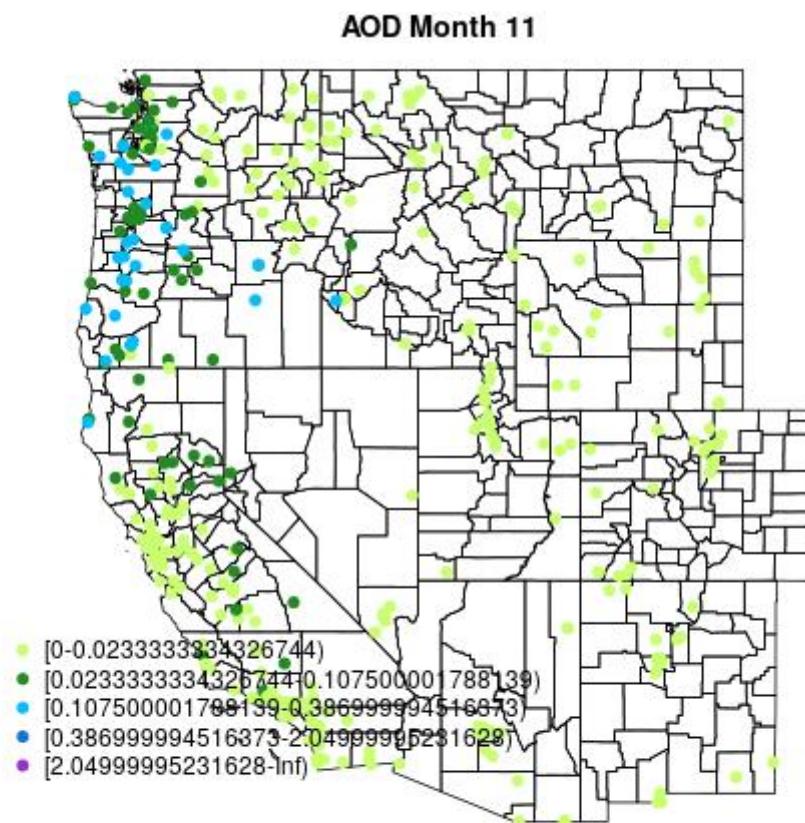


Figure 412: AOD Month 11

AOD Month 12

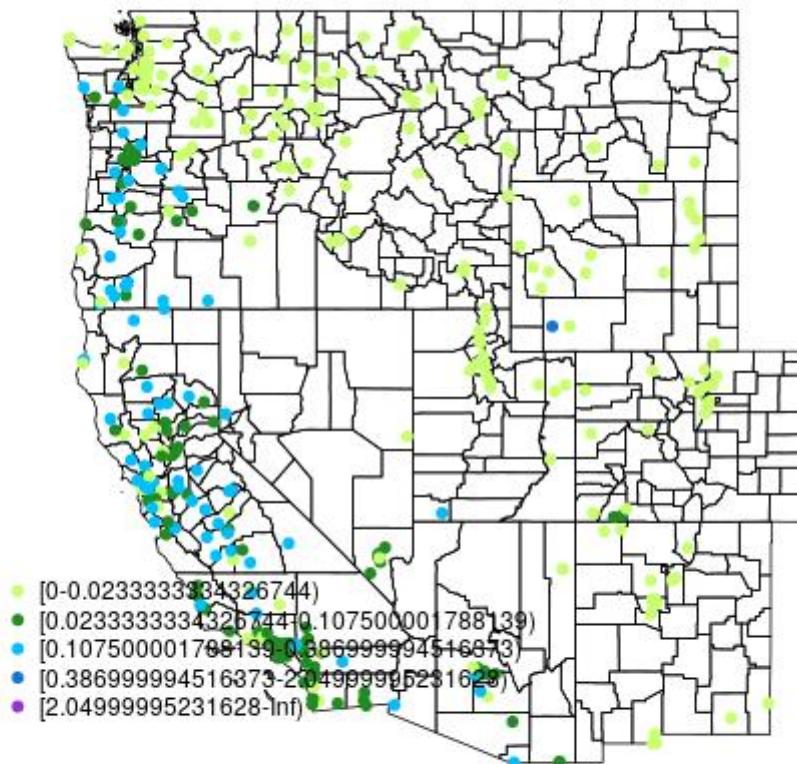


Figure 413: AOD Month 12

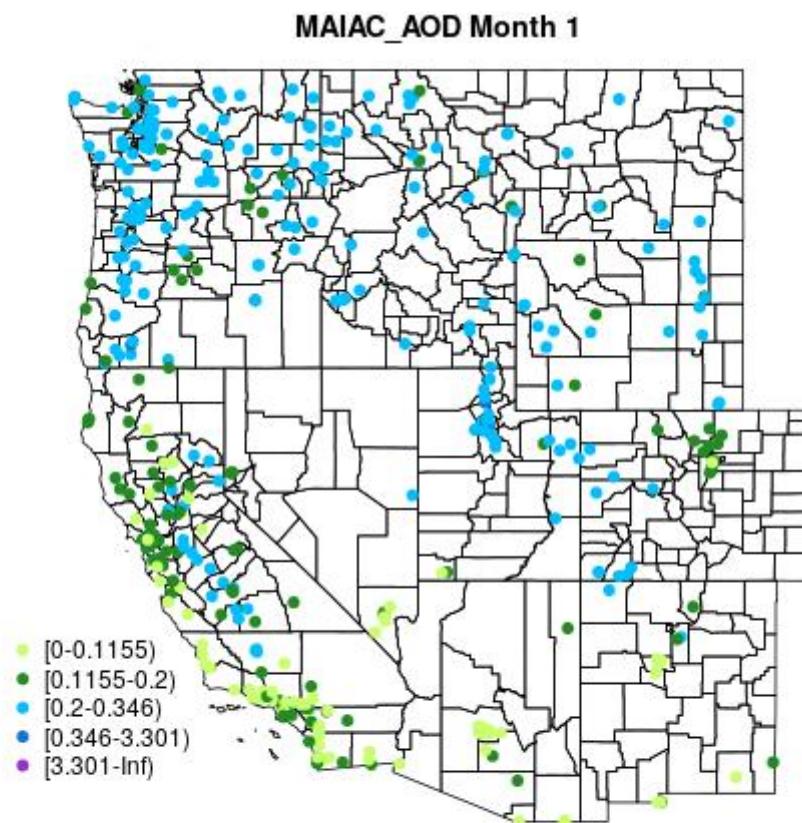


Figure 414: MAIAC-AOD Month 1

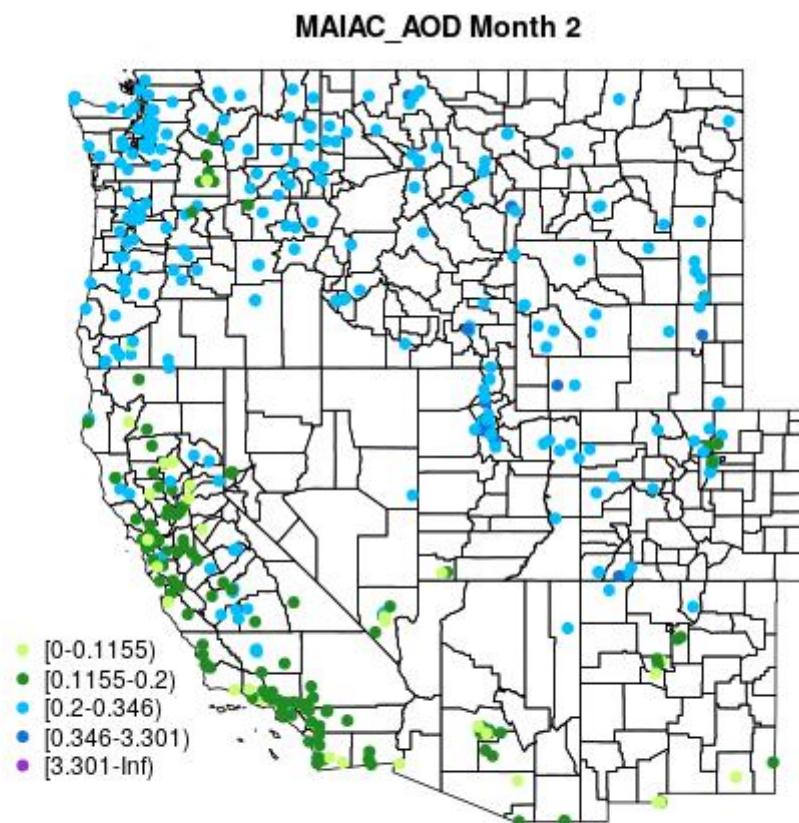


Figure 415: MAIAC-AOD Month 2

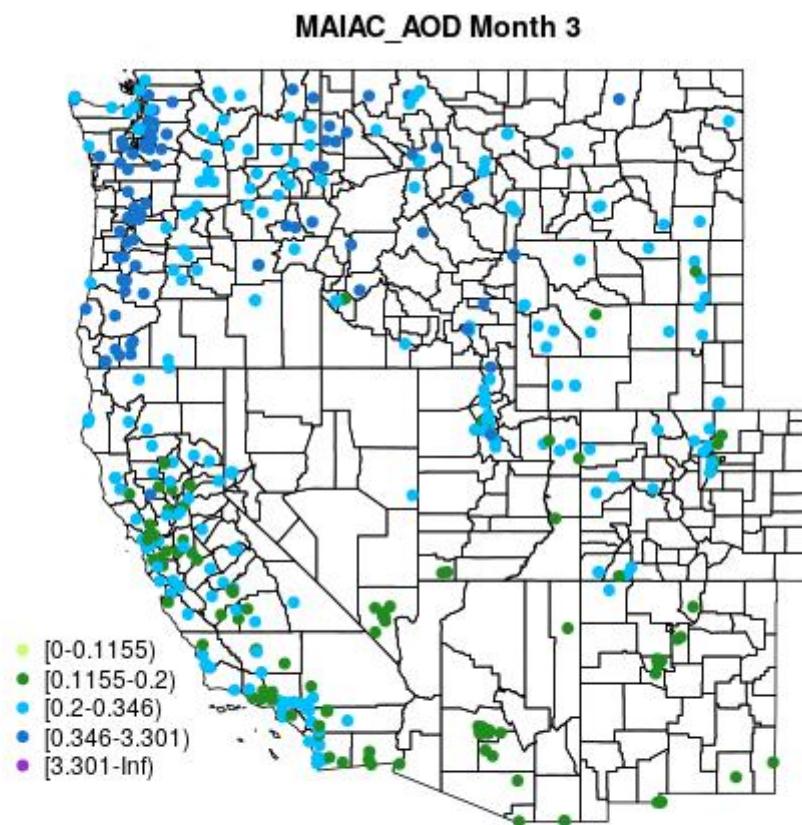


Figure 416: MAIAC-AOD Month 3

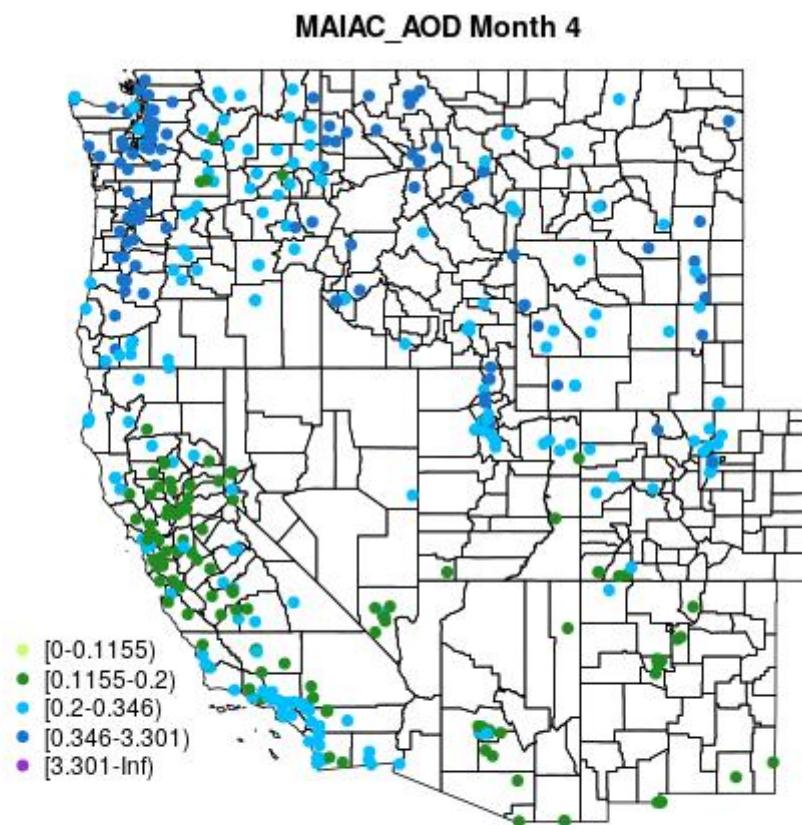


Figure 417: MAIAC-AOD Month 4

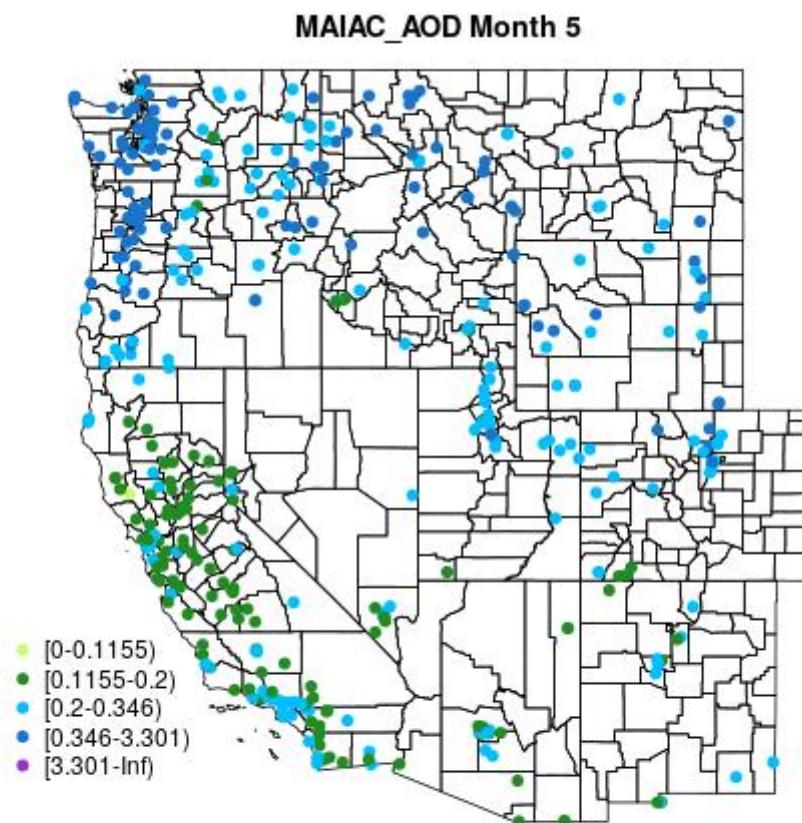


Figure 418: MAIAC-AOD Month 5

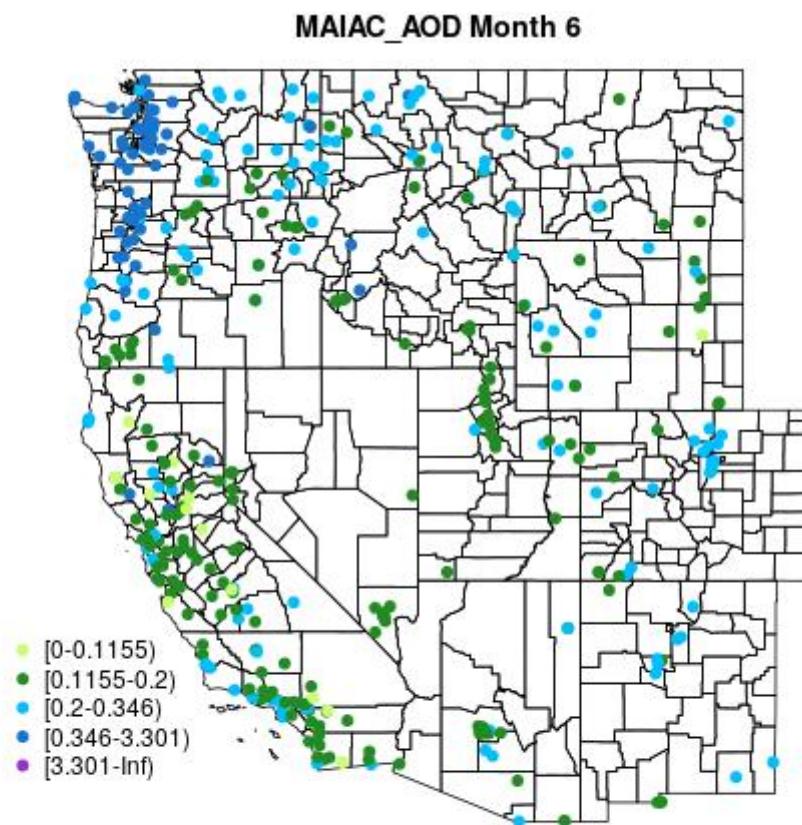


Figure 419: MAIAC-AOD Month 6

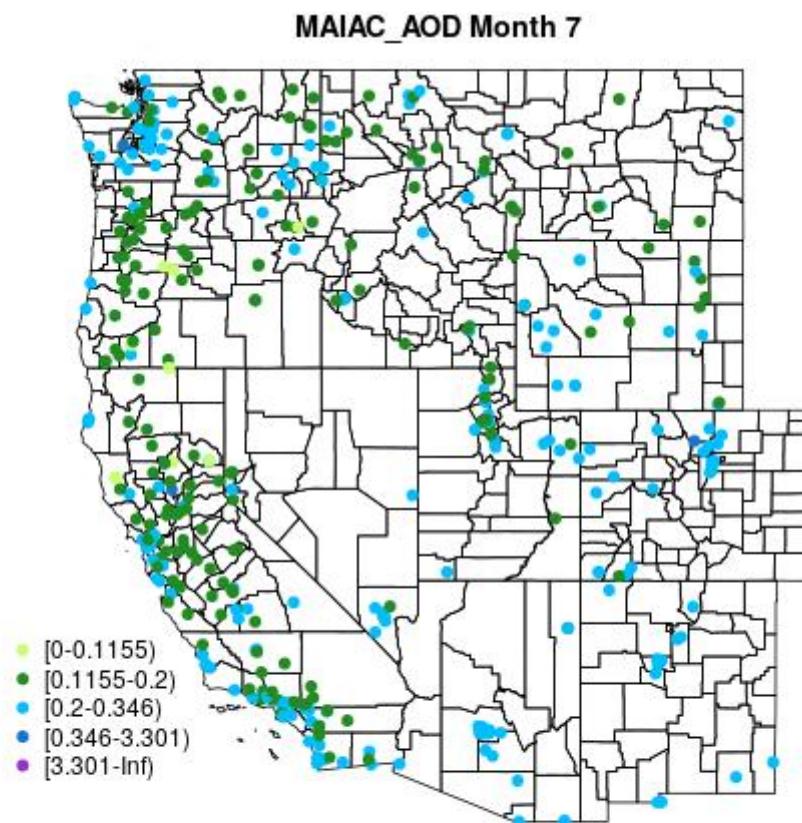


Figure 420: MAIAC-AOD Month 7

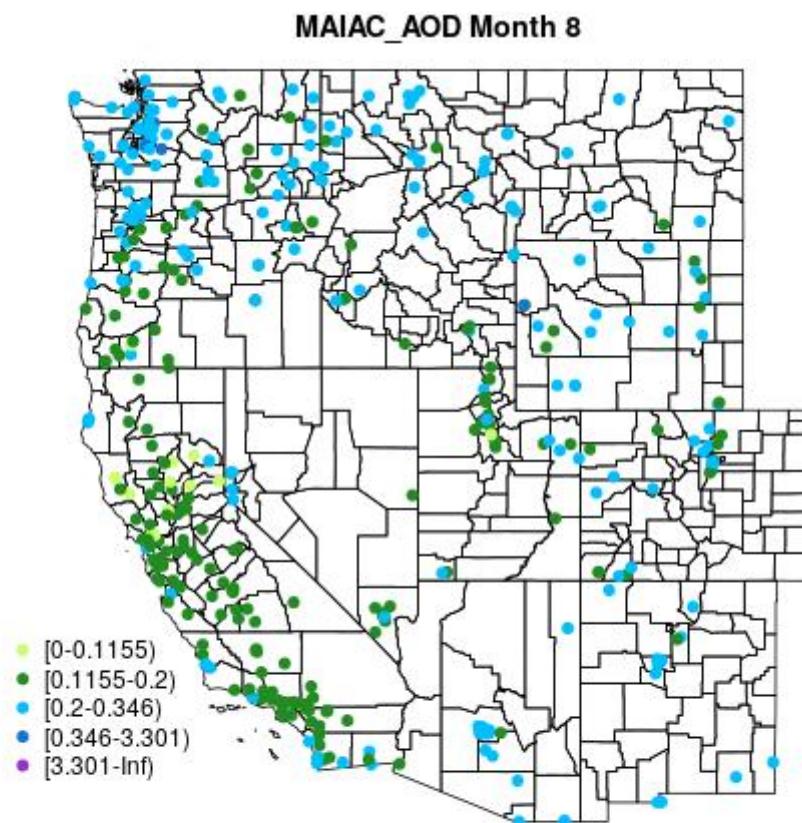


Figure 421: MAIAC-AOD Month 8

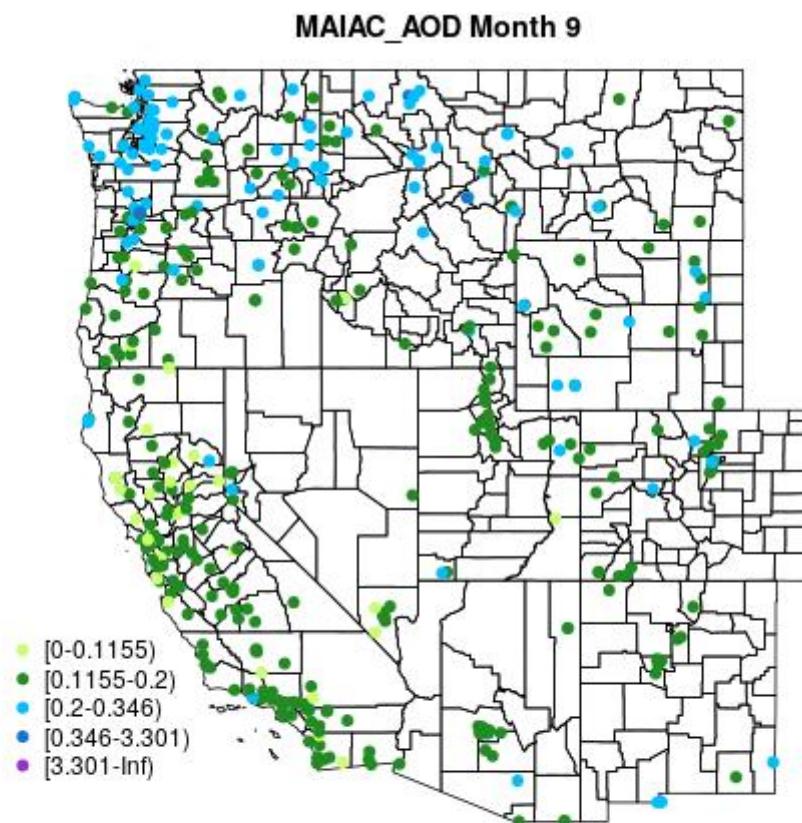


Figure 422: MAIAC-AOD Month 9

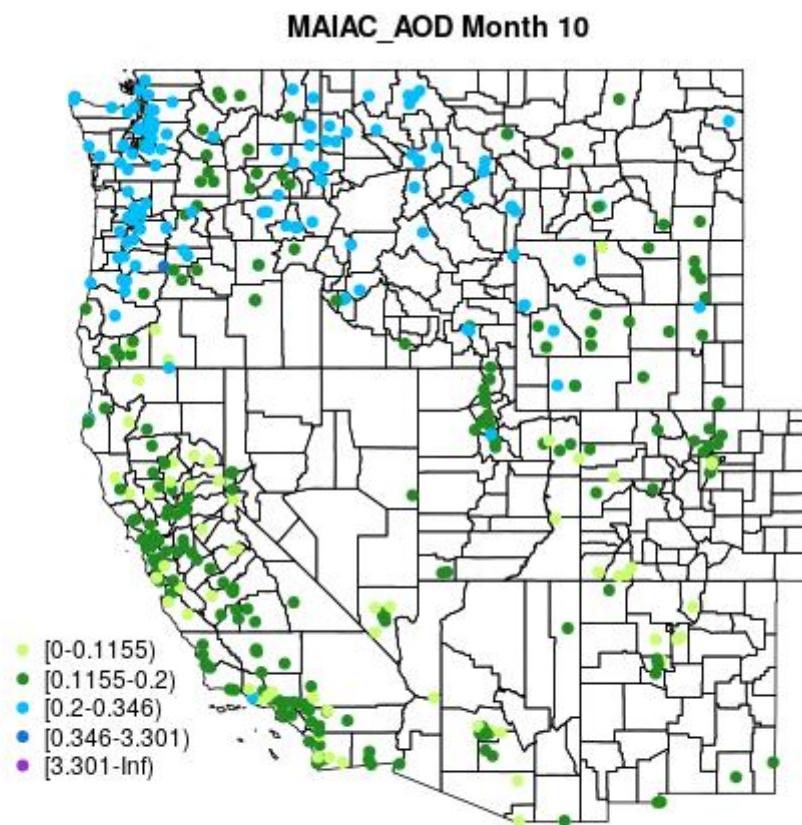


Figure 423: MAIAC-AOD Month 10

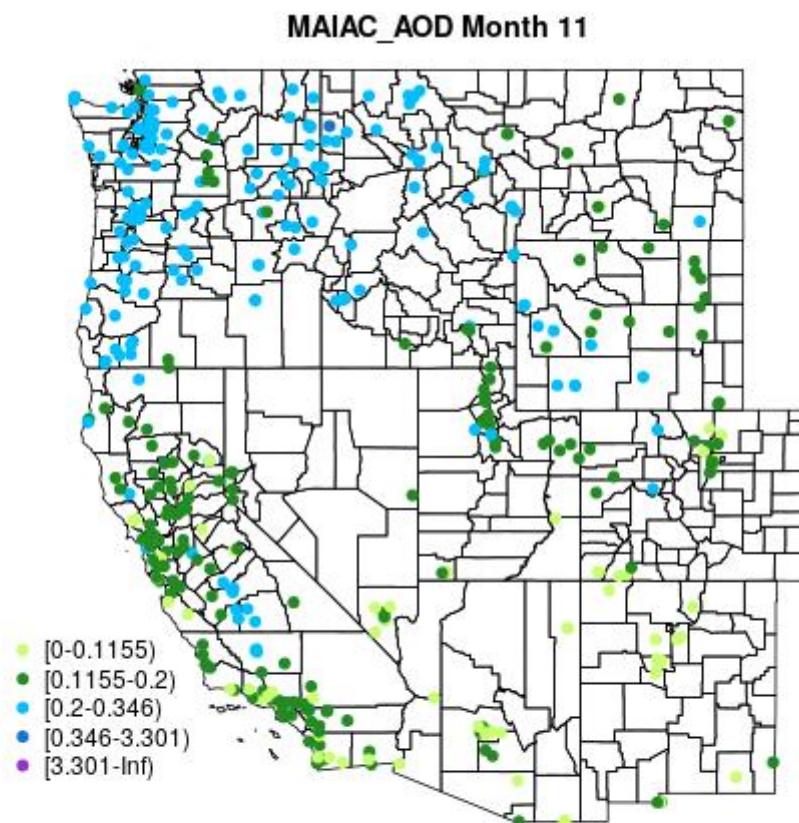


Figure 424: MAIAC-AOD Month 11

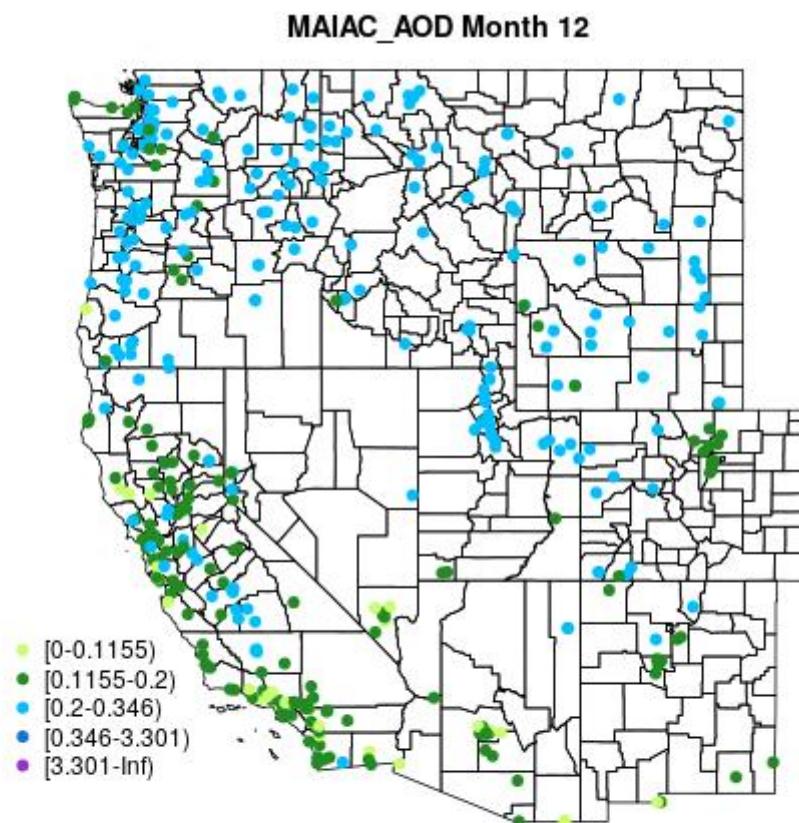


Figure 425: MAIAC-AOD Month 12

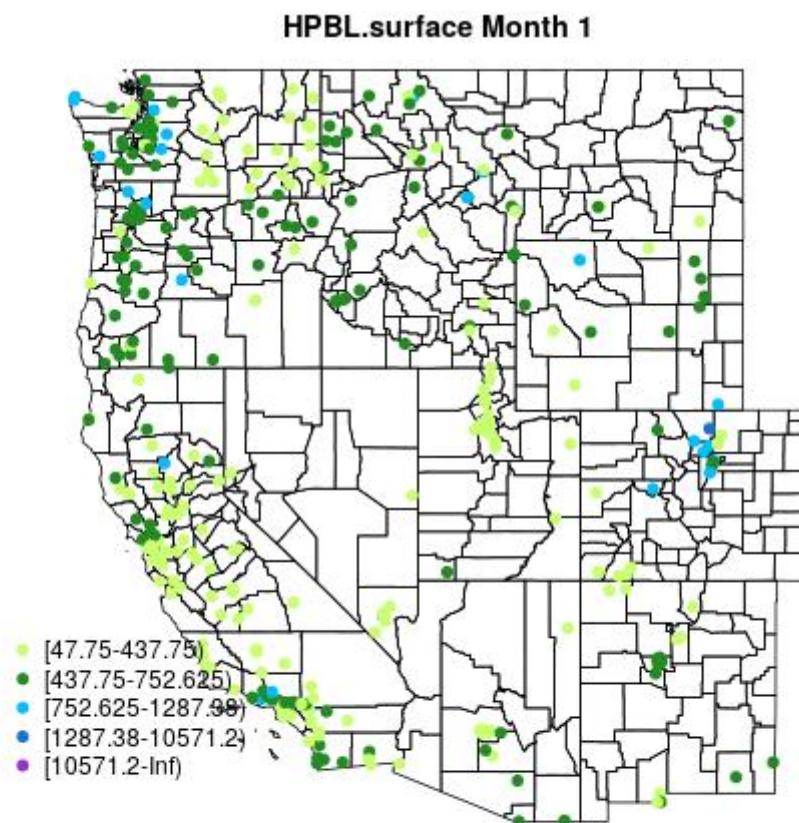


Figure 426: HPBL.surface Month 1

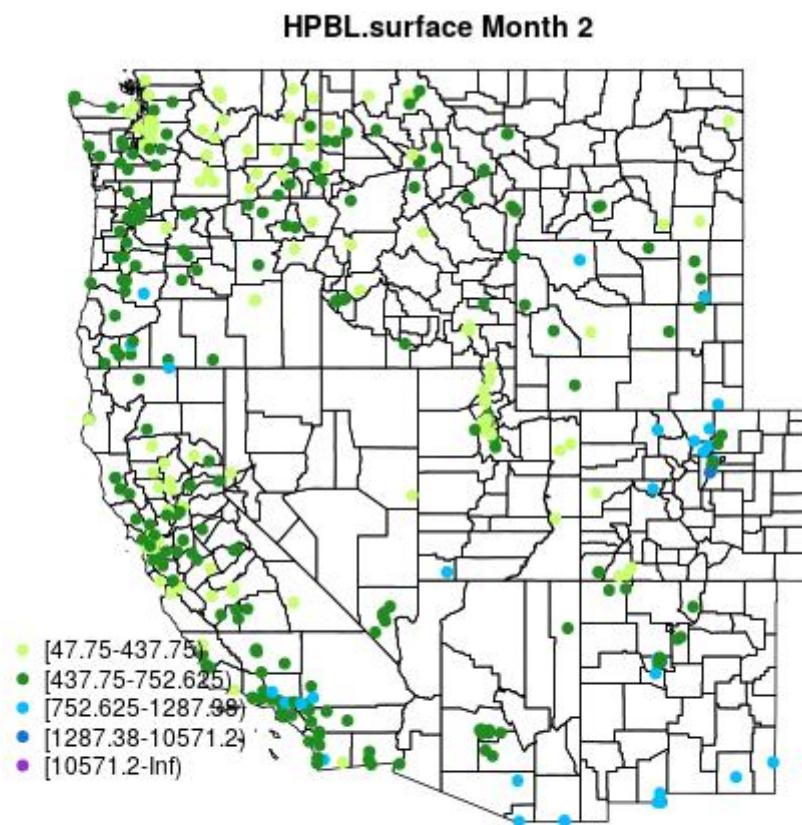


Figure 427: HPBL.surface Month 2

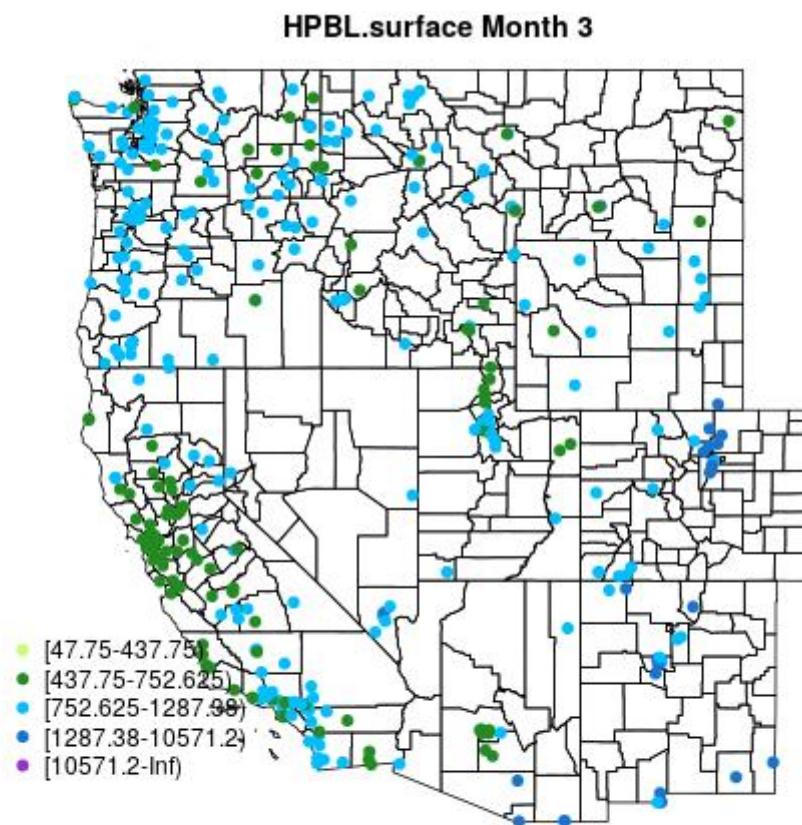


Figure 428: HPBL.surface Month 3

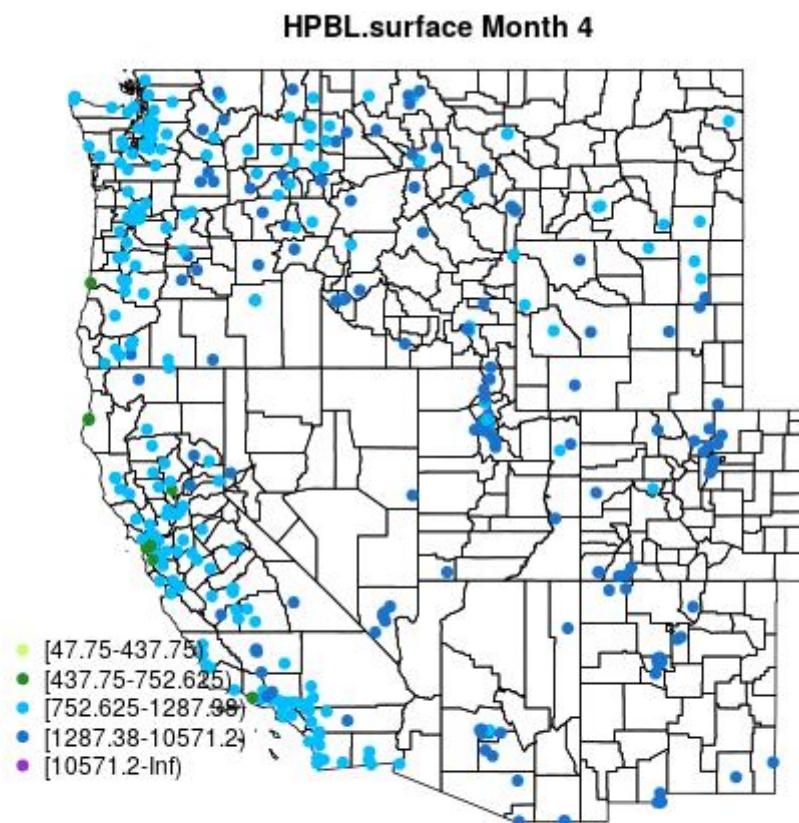


Figure 429: HPBL.surface Month 4

HPBL.surface Month 5

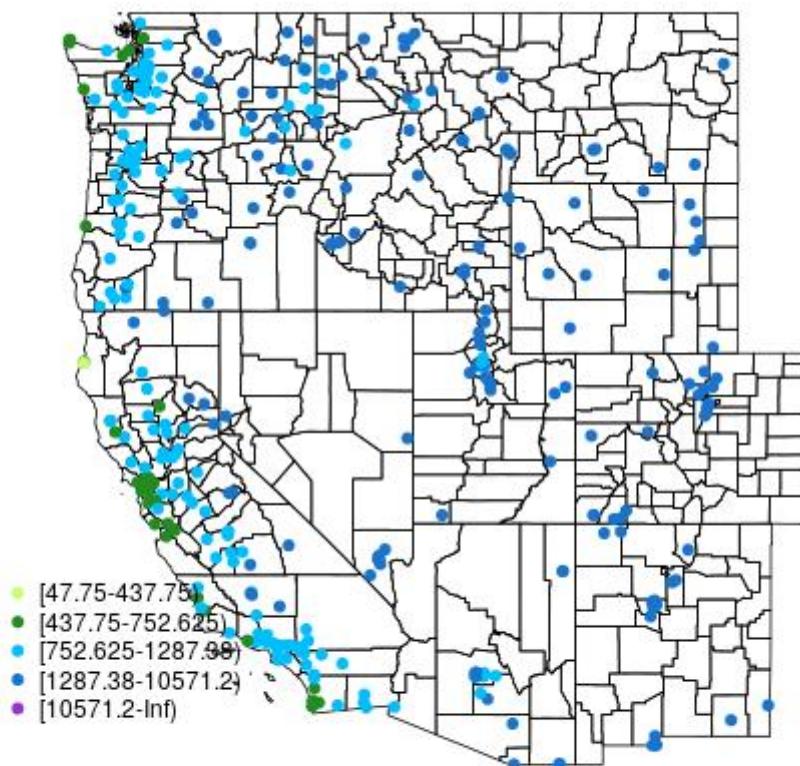


Figure 430: HPBL.surface Month 5

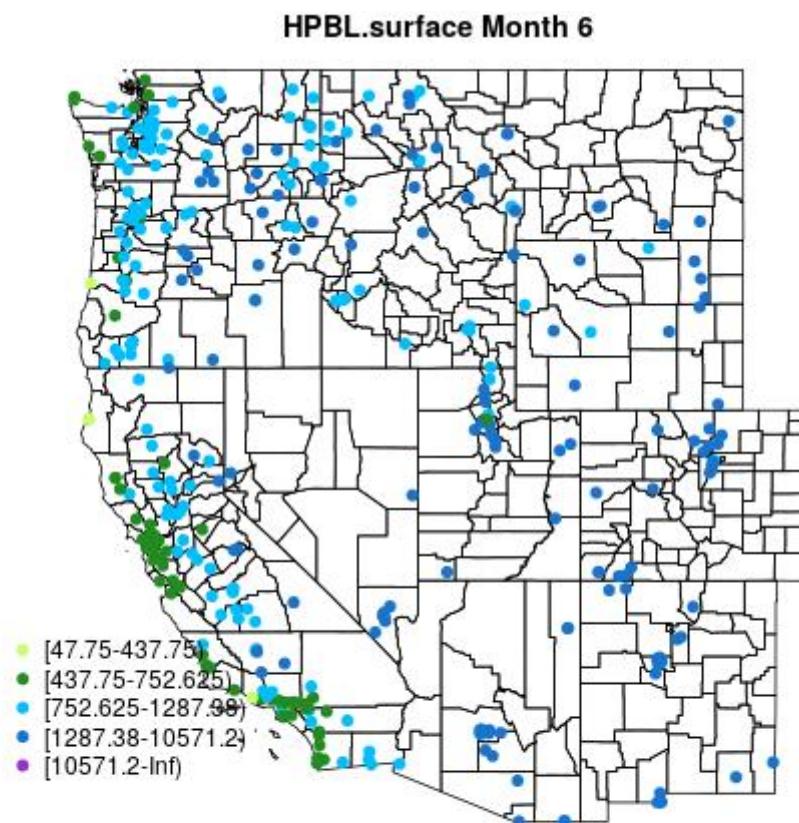


Figure 431: HPBL.surface Month 6

HPBL.surface Month 7

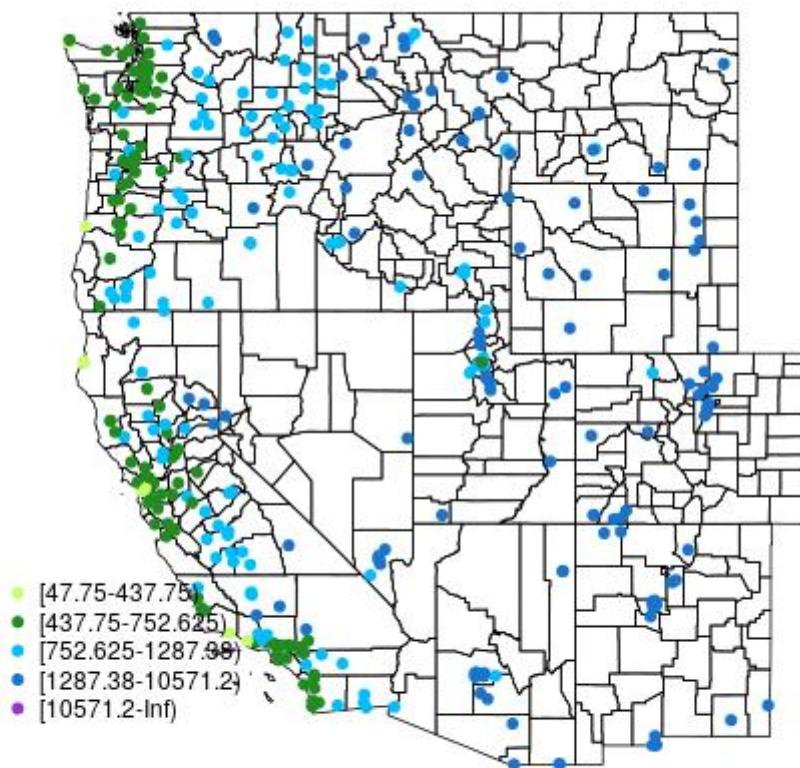


Figure 432: HPBL.surface Month 7

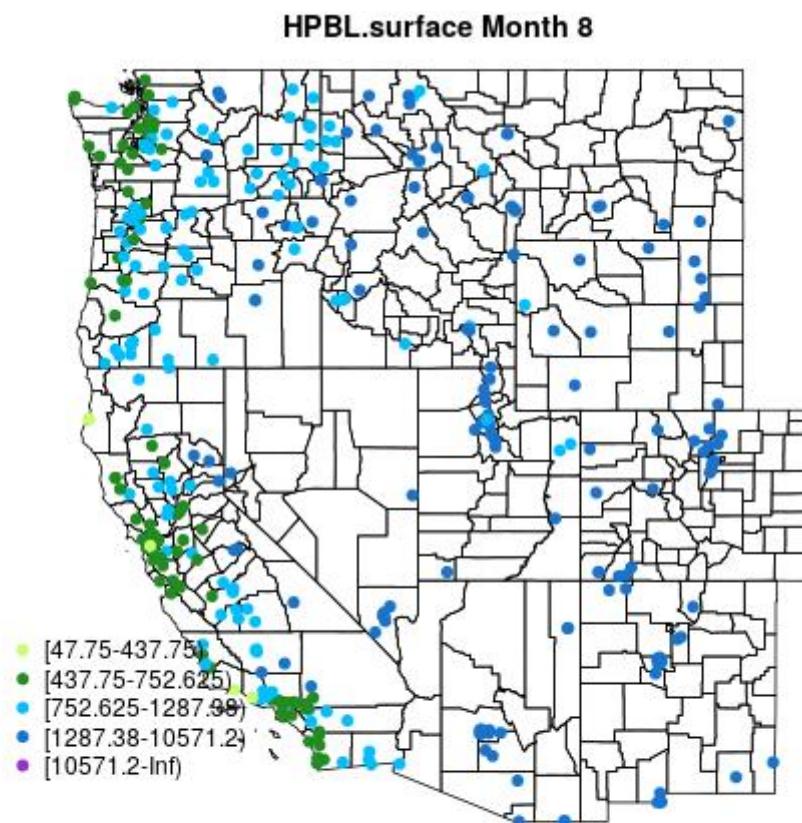


Figure 433: HPBL.surface Month 8

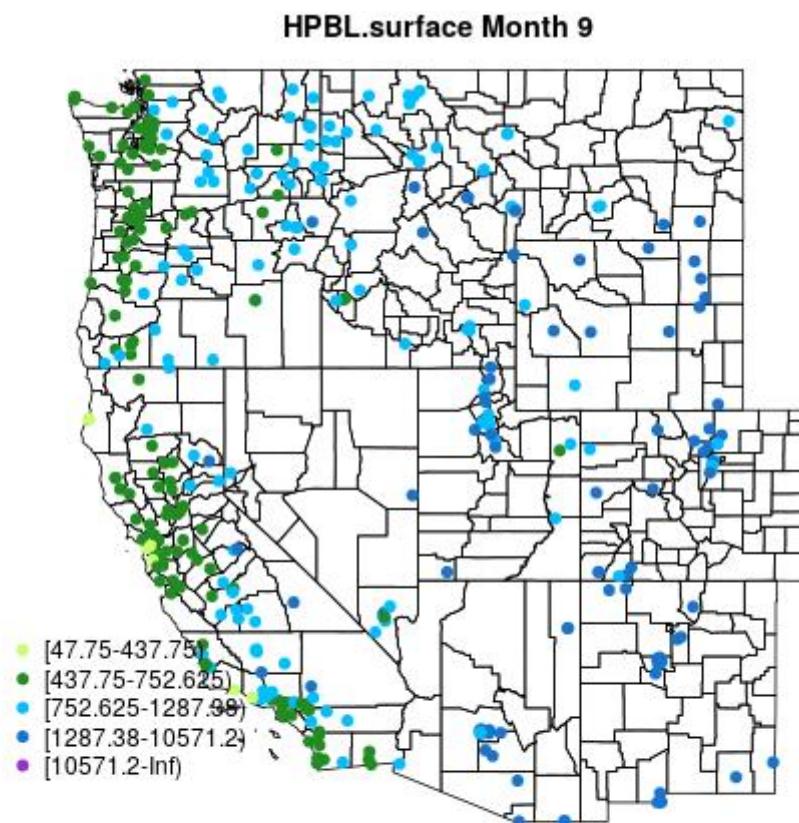


Figure 434: HPBL.surface Month 9

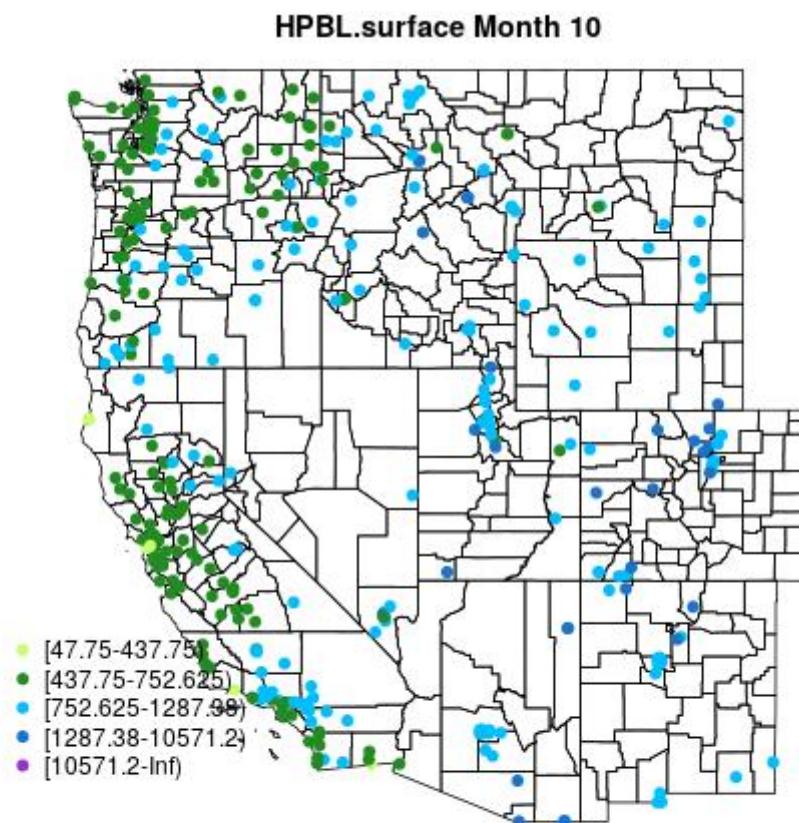


Figure 435: HPBL.surface Month 10

HPBL.surface Month 11

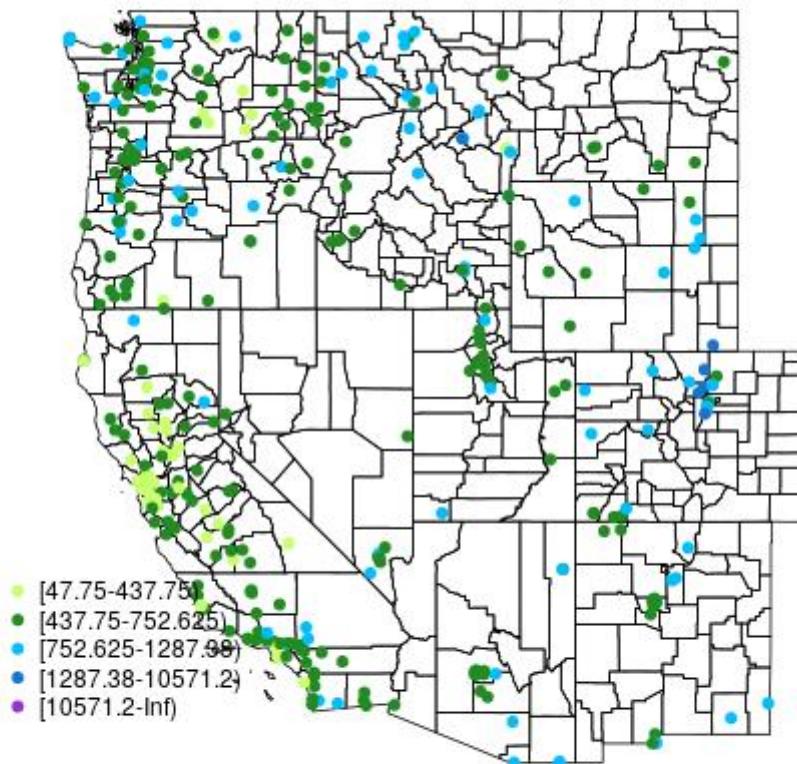


Figure 436: HPBL.surface Month 11

HPBL.surface Month 12

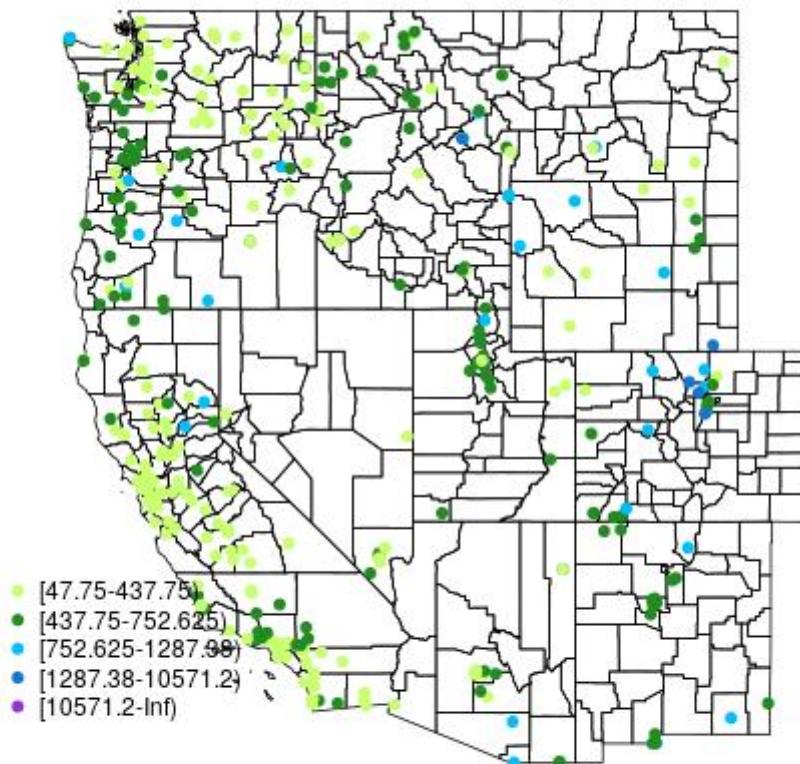


Figure 437: HPBL.surface Month 12

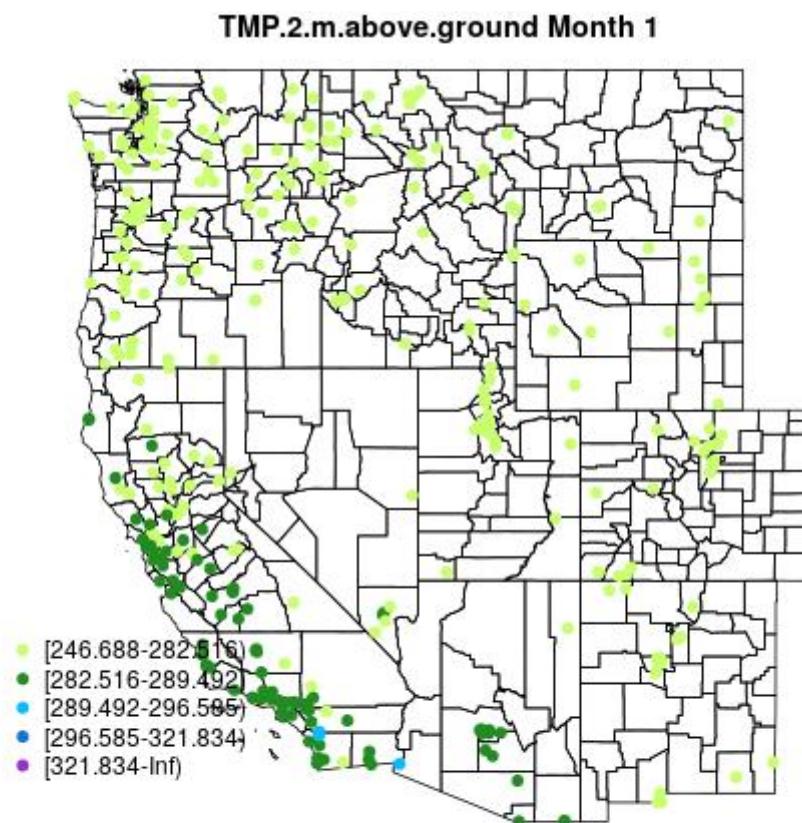


Figure 438: TMP.2.m.above.ground Month 1

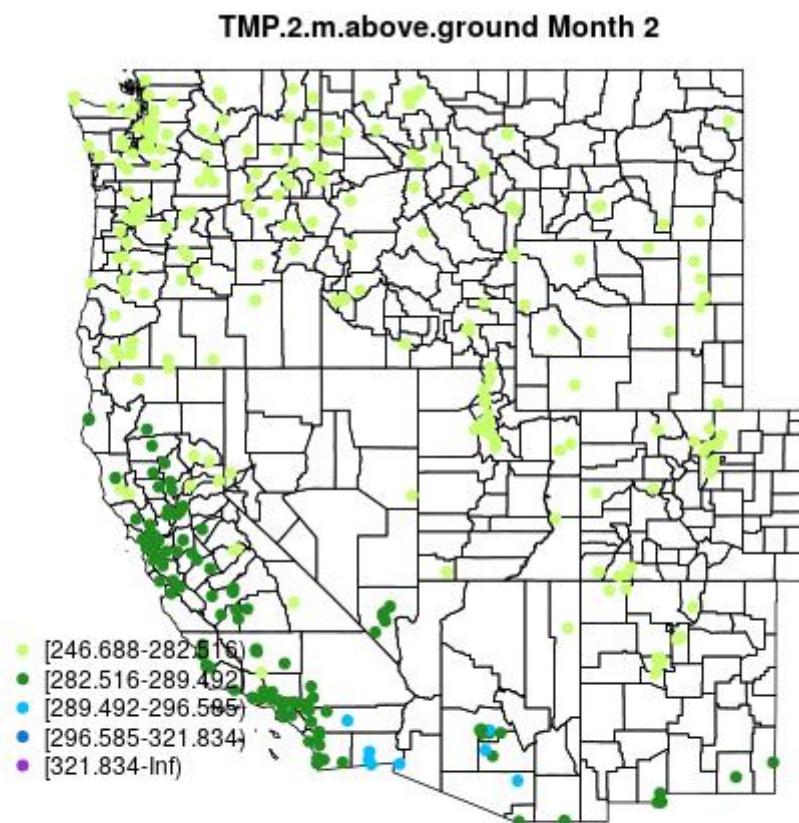


Figure 439: TMP.2.m.above.ground Month 2

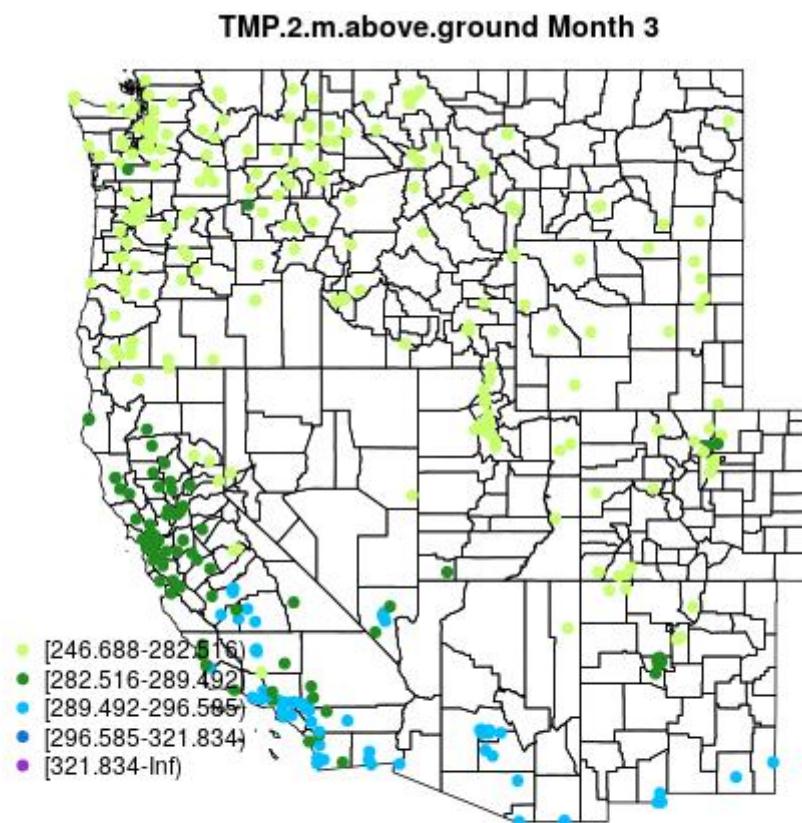


Figure 440: TMP.2.m.above.ground Month 3

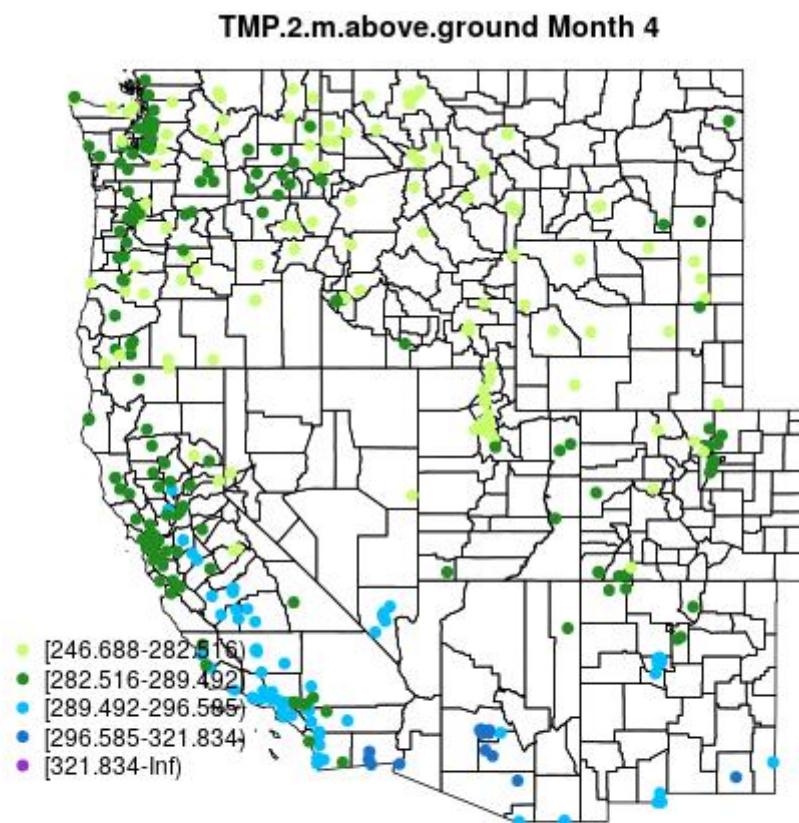


Figure 441: TMP.2.m.above.ground Month 4

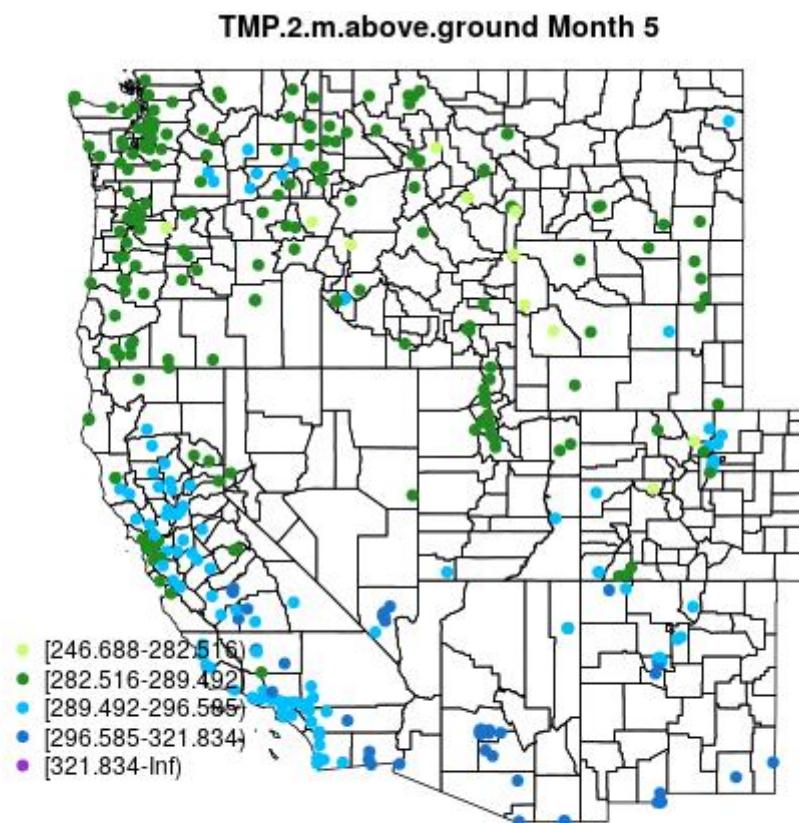


Figure 442: TMP.2.m.above.ground Month 5

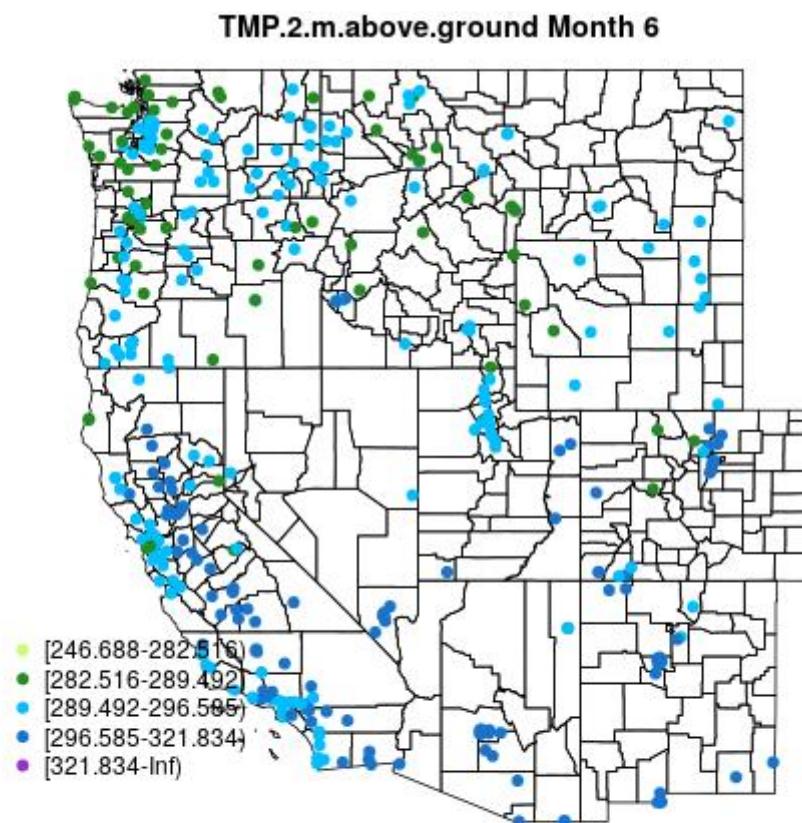


Figure 443: TMP.2.m.above.ground Month 6

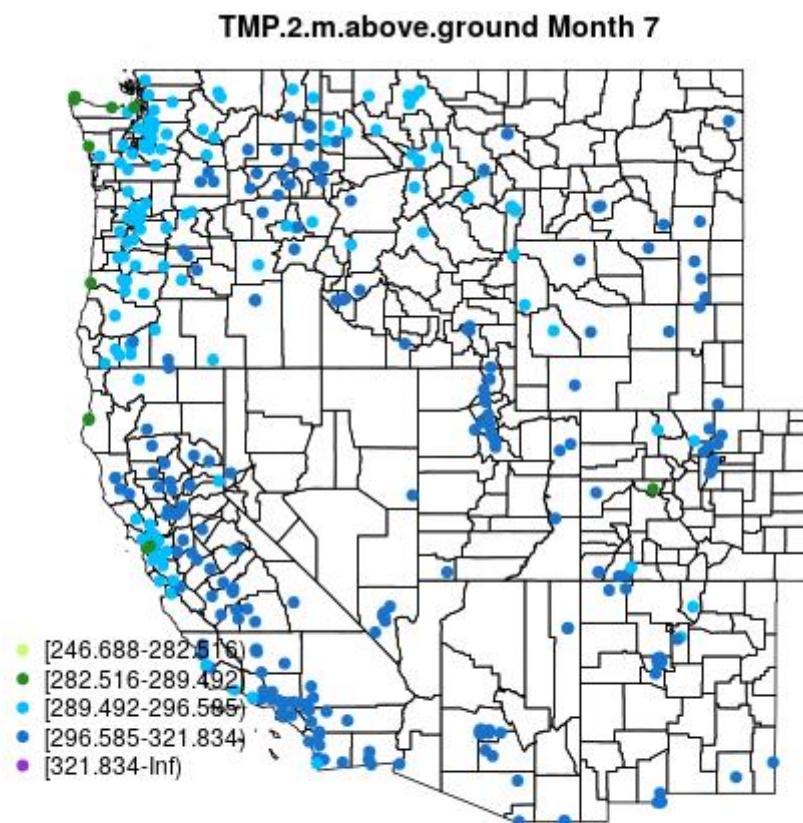


Figure 444: TMP.2.m.above.ground Month 7

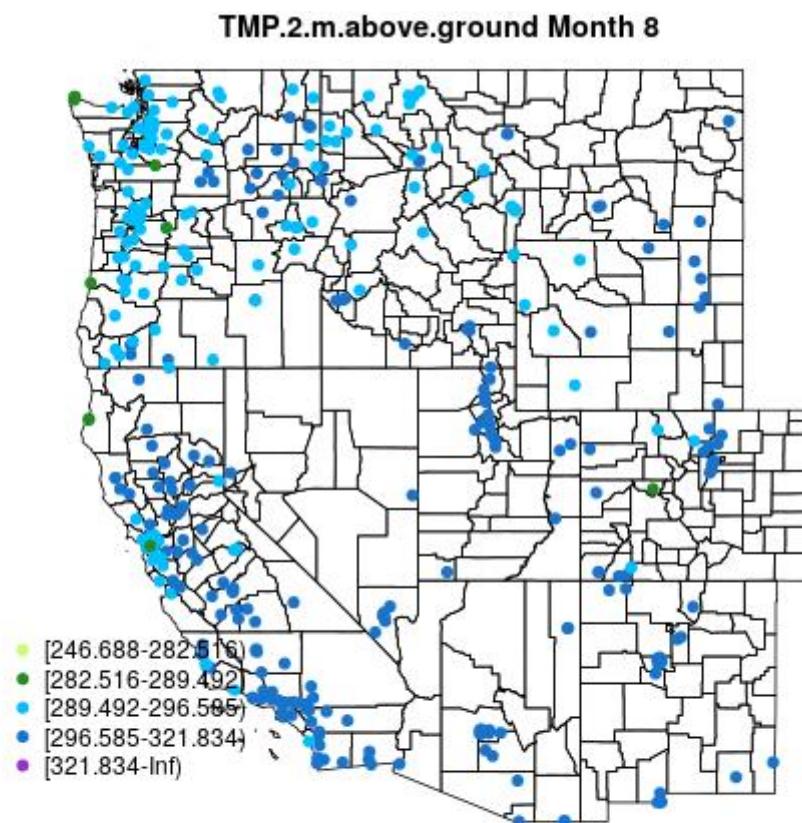


Figure 445: TMP.2.m.above.ground Month 8

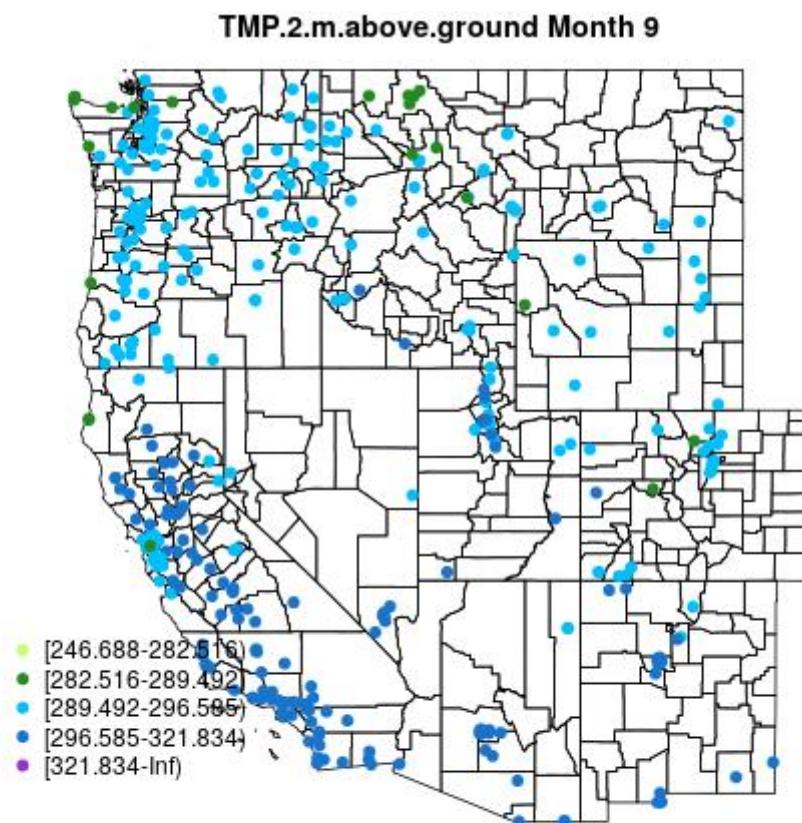


Figure 446: TMP.2.m.above.ground Month 9

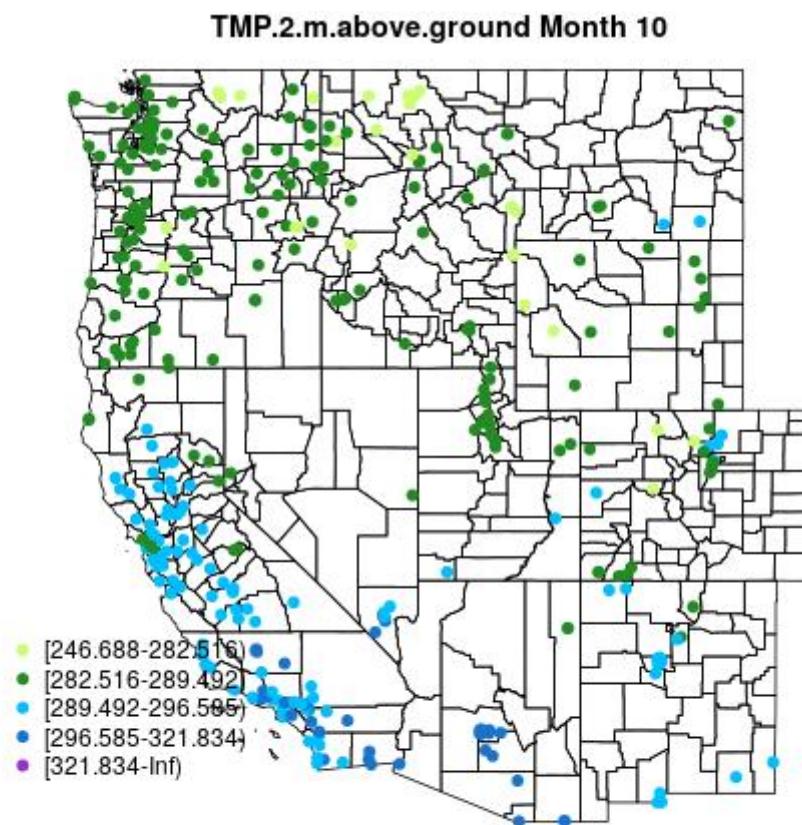


Figure 447: TMP.2.m.above.ground Month 10

TMP.2.m.above.ground Month 11

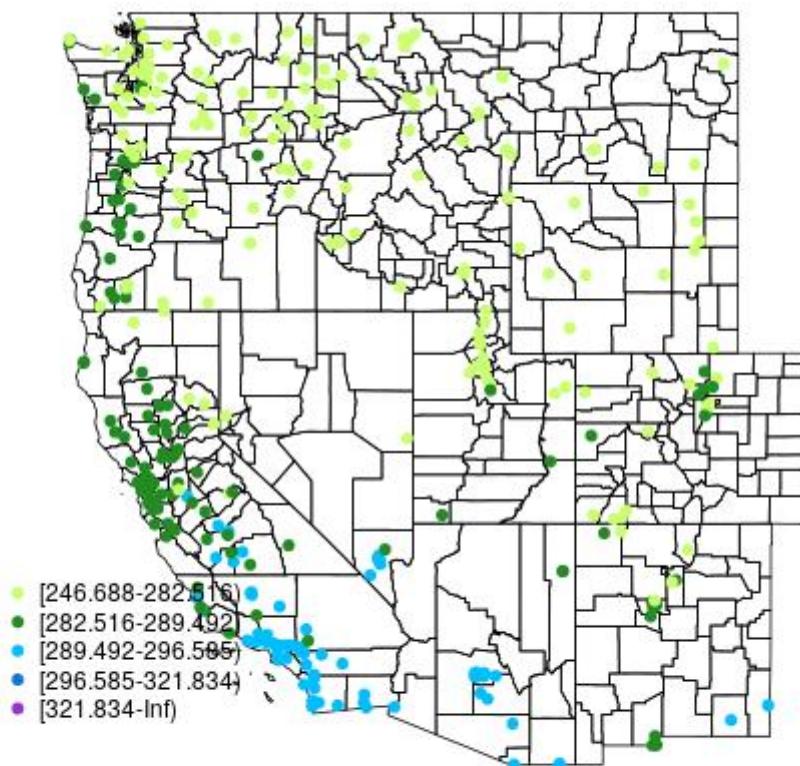


Figure 448: TMP.2.m.above.ground Month 11

TMP.2.m.above.ground Month 12

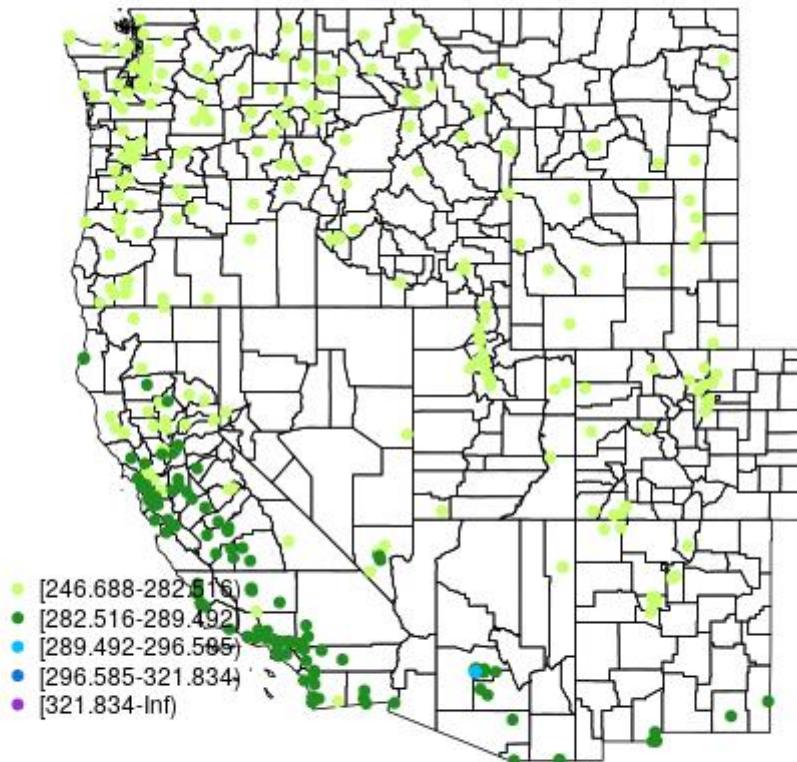


Figure 449: TMP.2.m.above.ground Month 12

RH.2.m.above.ground Month 1

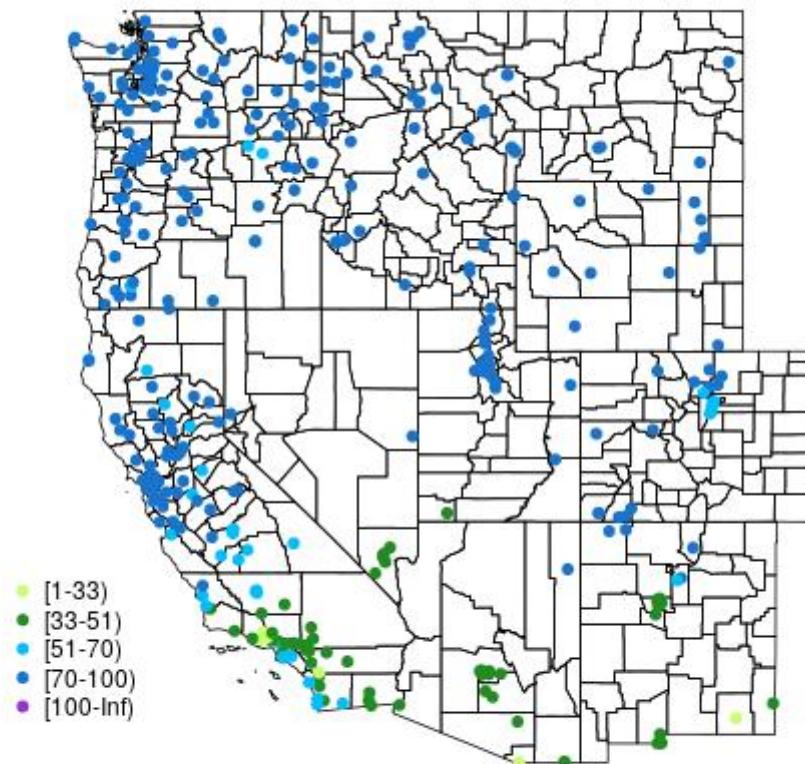


Figure 450: RH.2.m.above.ground Month 1

RH.2.m.above.ground Month 2

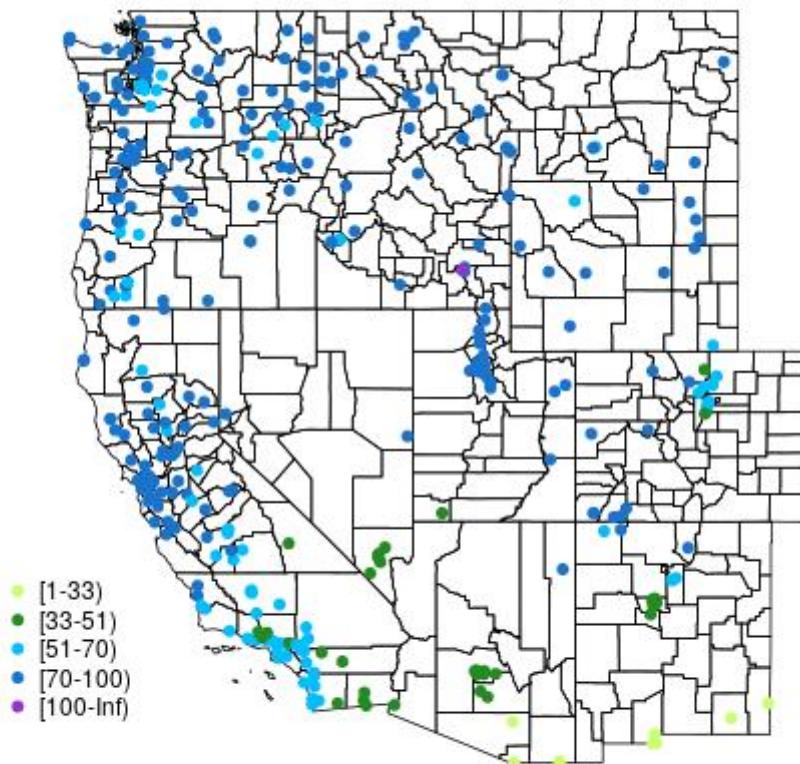


Figure 451: RH.2.m.above.ground Month 2

RH.2.m.above.ground Month 3

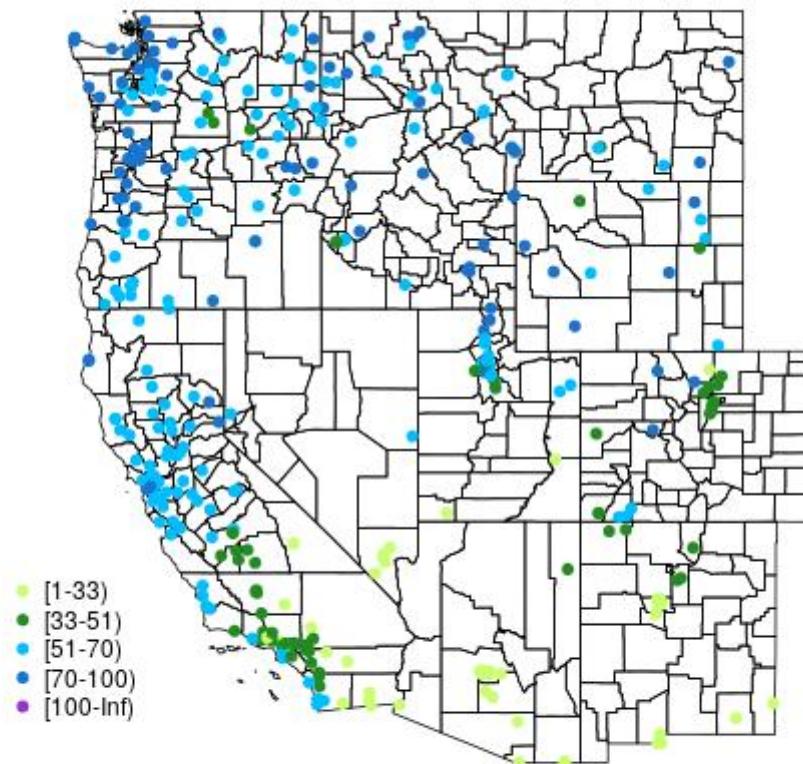


Figure 452: RH.2.m.above.ground Month 3

RH.2.m.above.ground Month 4

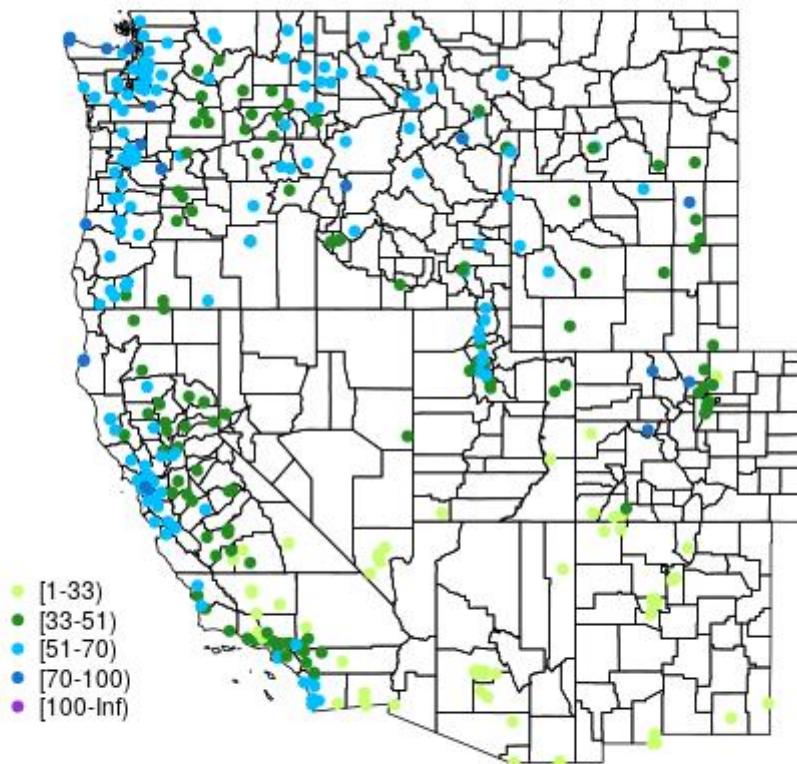


Figure 453: RH.2.m.above.ground Month 4

RH.2.m.above.ground Month 5

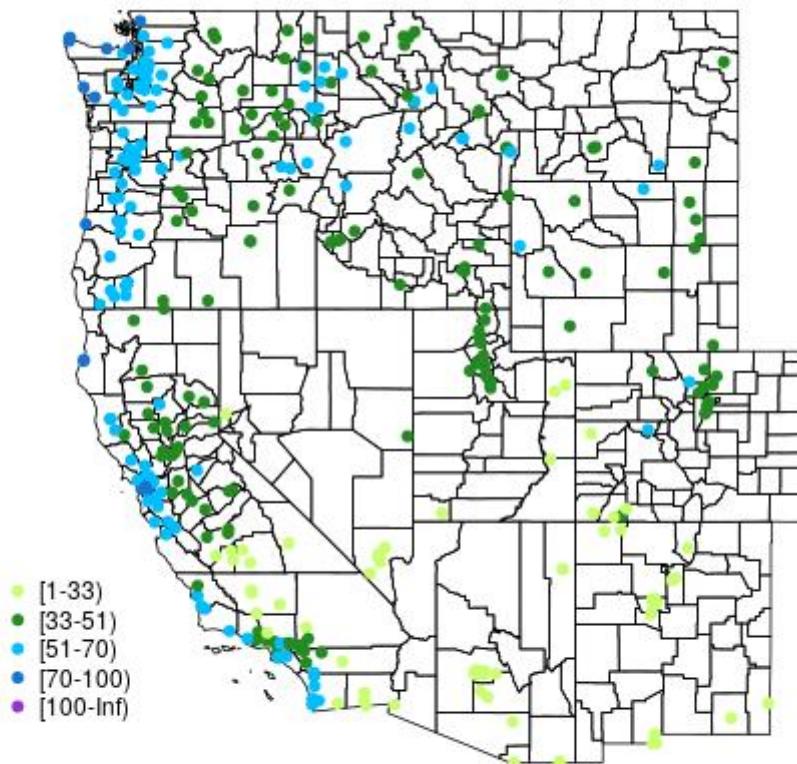


Figure 454: RH.2.m.above.ground Month 5

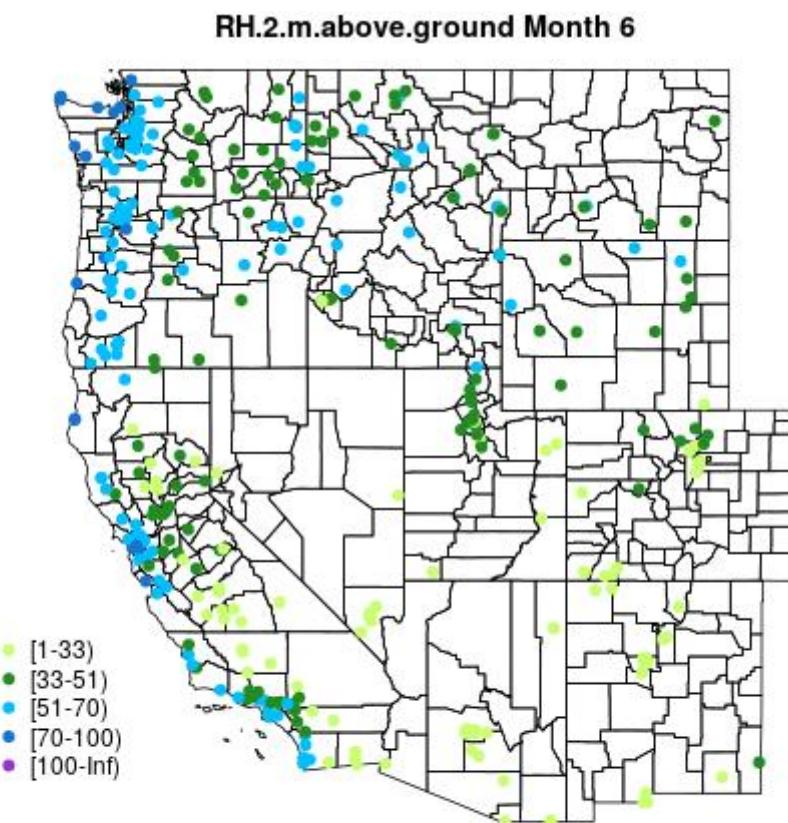


Figure 455: RH.2.m.above.ground Month 6

RH.2.m.above.ground Month 7

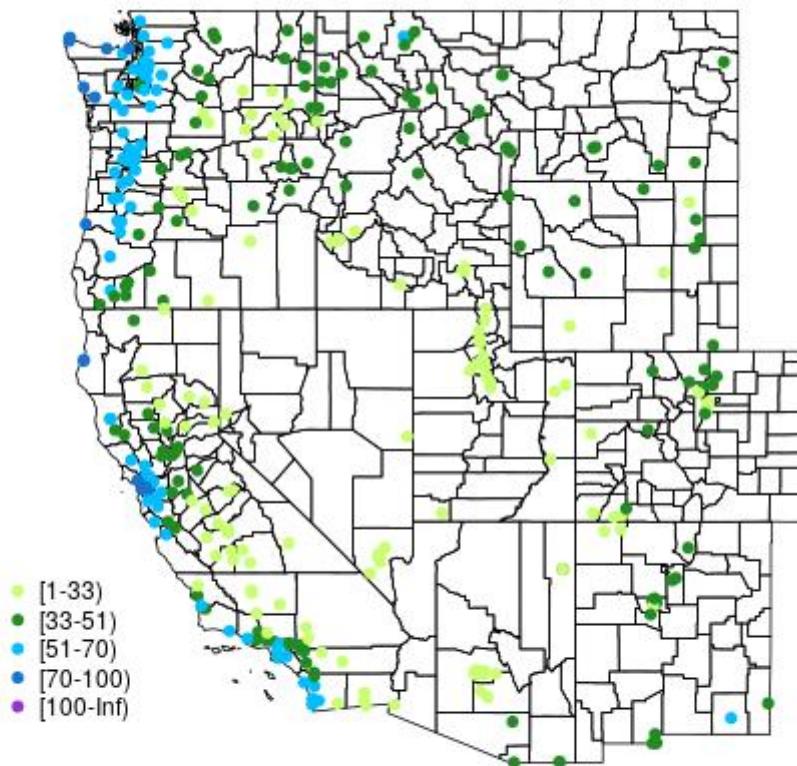


Figure 456: RH.2.m.above.ground Month 7

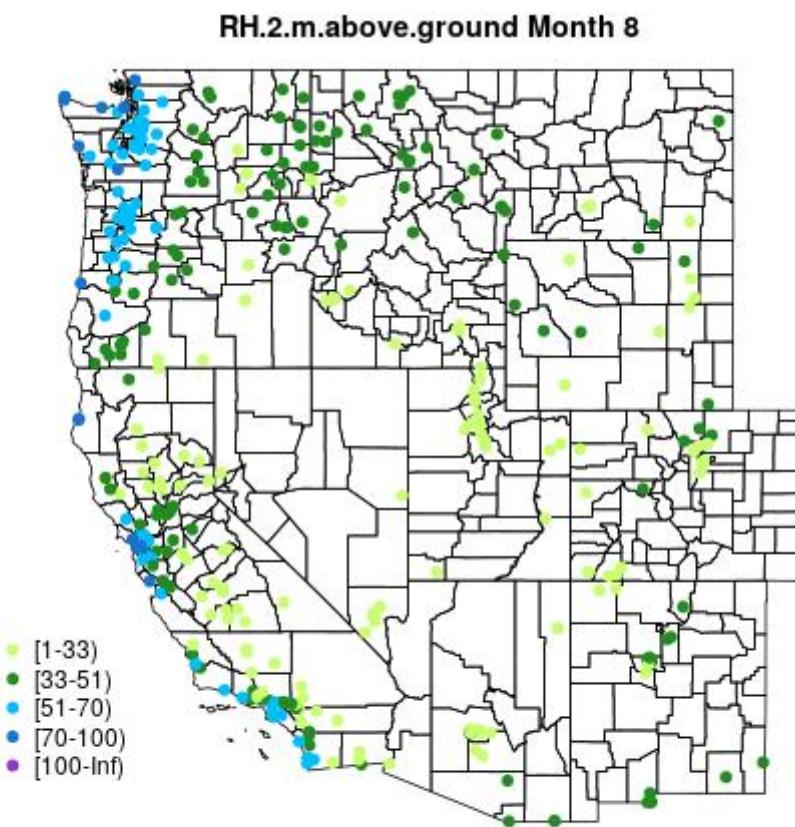


Figure 457: RH.2.m.above.ground Month 8

RH.2.m.above.ground Month 9

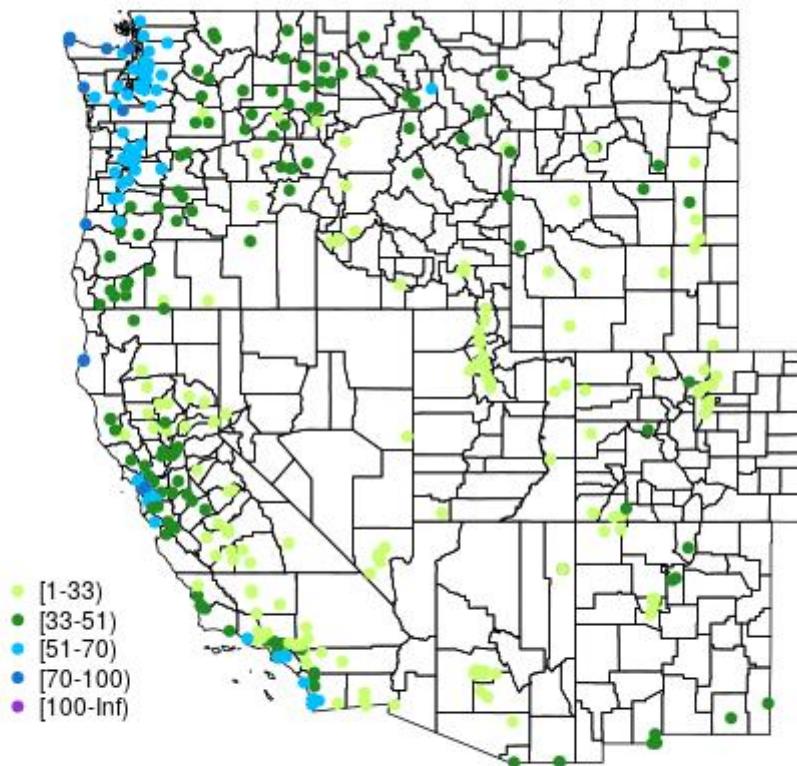


Figure 458: RH.2.m.above.ground Month 9

RH.2.m.above.ground Month 10

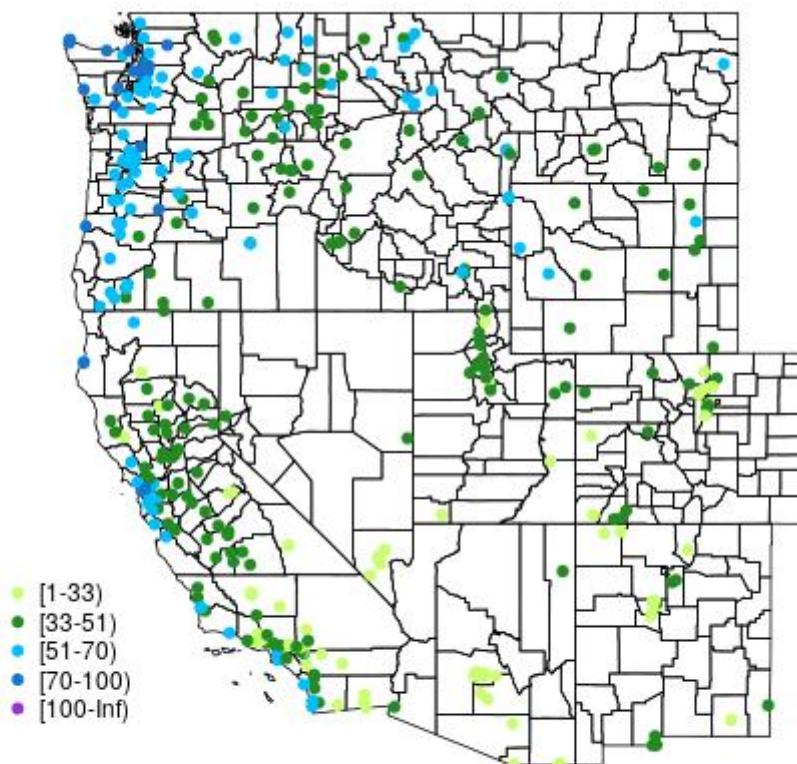


Figure 459: RH.2.m.above.ground Month 10

RH.2.m.above.ground Month 11

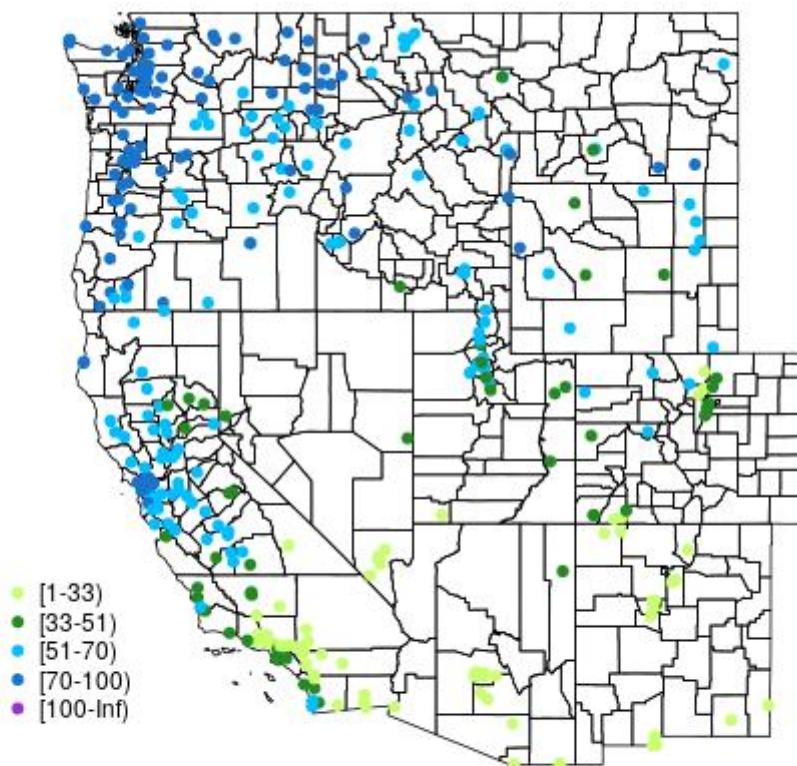


Figure 460: RH.2.m.above.ground Month 11

RH.2.m.above.ground Month 12

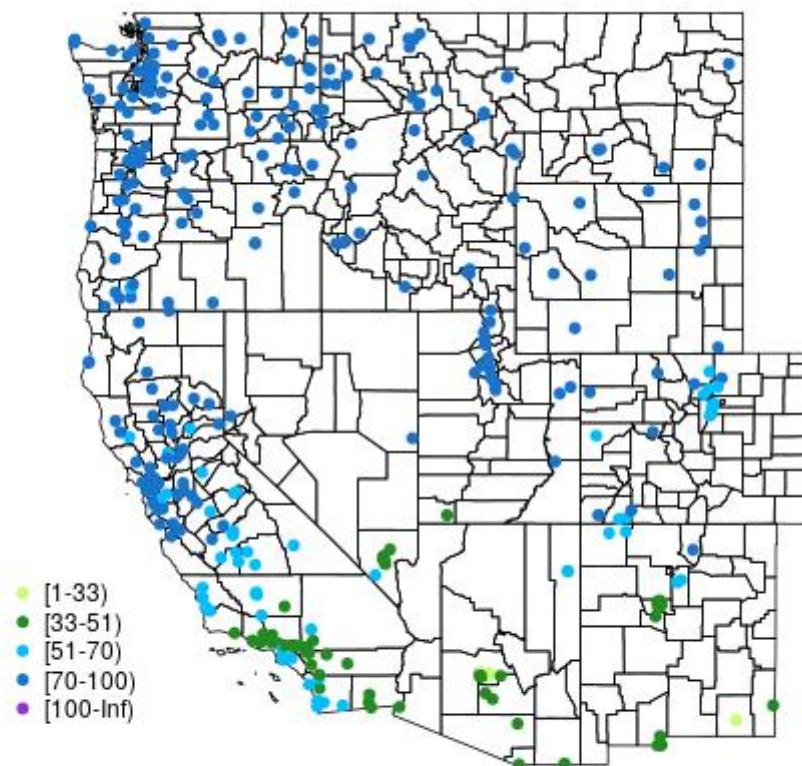


Figure 461: RH.2.m.above.ground Month 12

DPT.2.m.above.ground Month 1

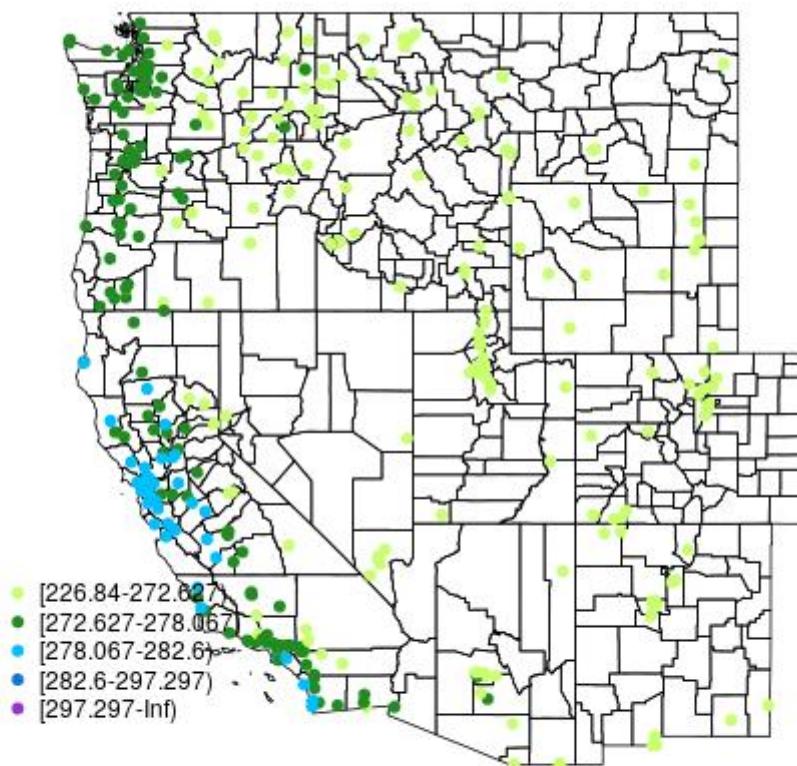


Figure 462: DPT.2.m.above.ground Month 1

DPT.2.m.above.ground Month 2

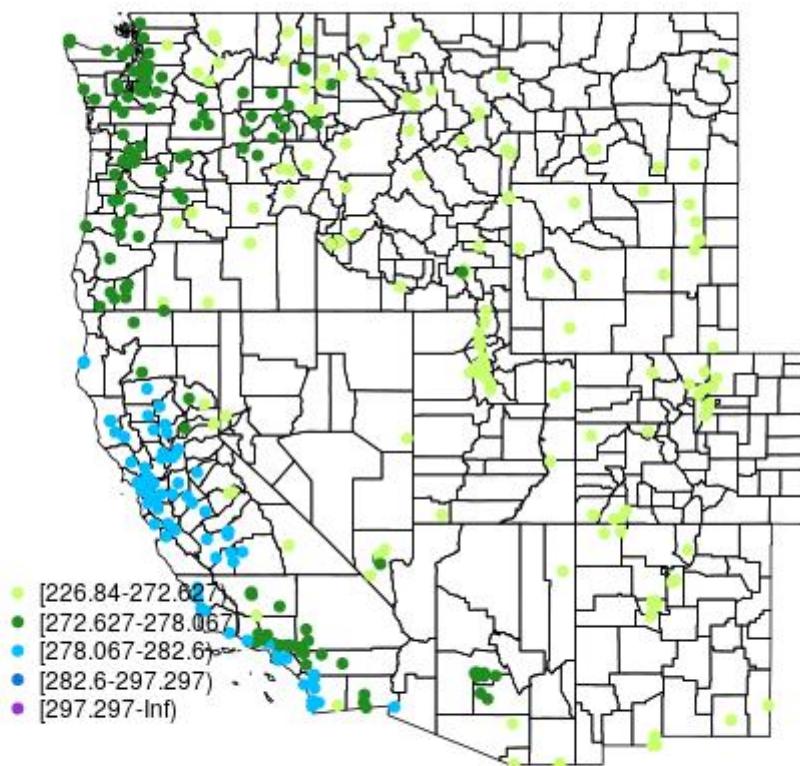


Figure 463: DPT.2.m.above.ground Month 2

DPT.2.m.above.ground Month 3

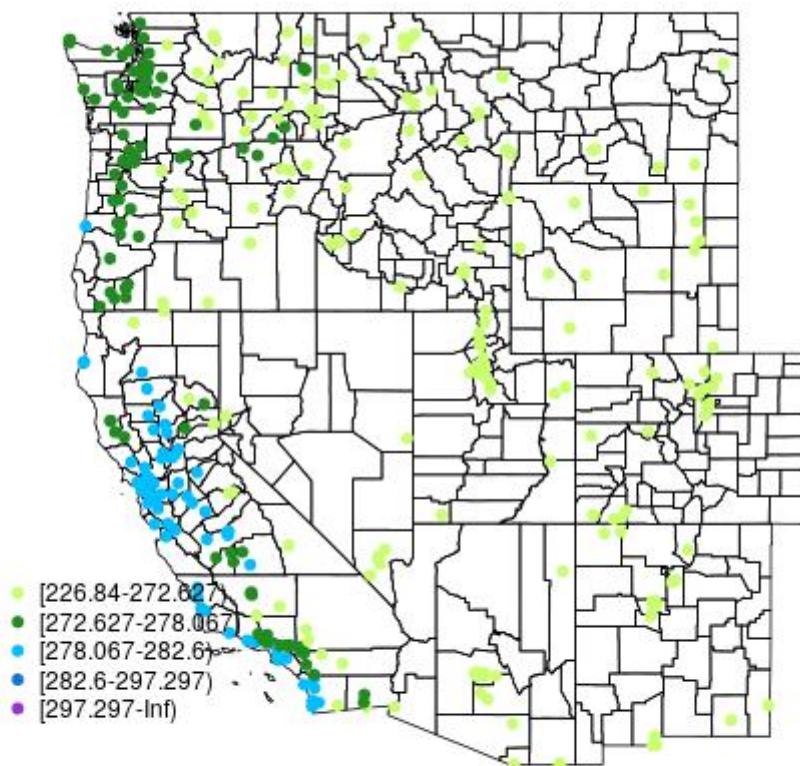


Figure 464: DPT.2.m.above.ground Month 3

DPT.2.m.above.ground Month 4

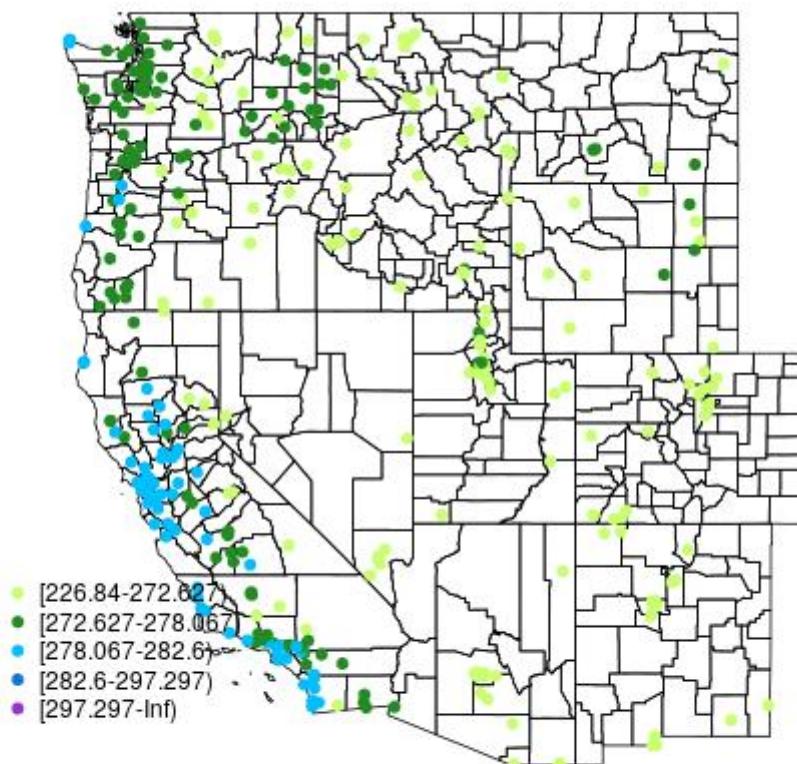


Figure 465: DPT.2.m.above.ground Month 4

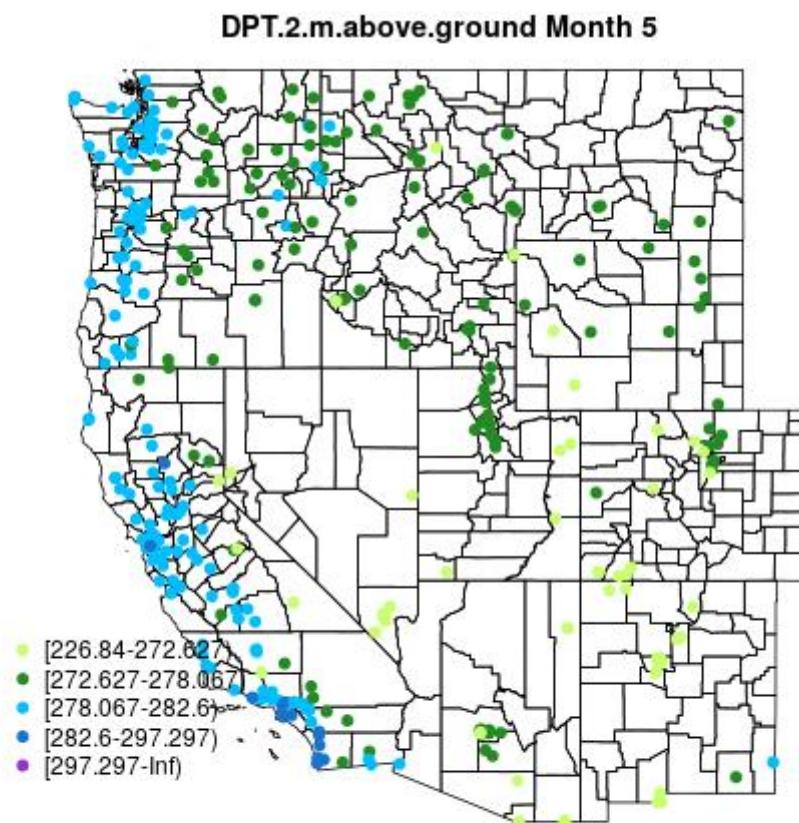


Figure 466: DPT.2.m.above.ground Month 5

DPT.2.m.above.ground Month 6

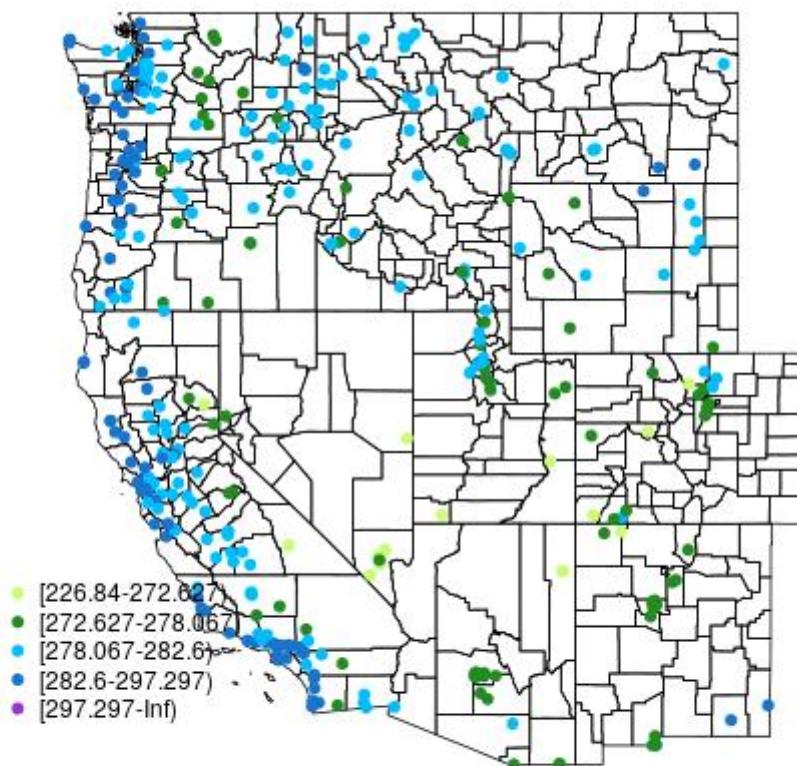


Figure 467: DPT.2.m.above.ground Month 6

DPT.2.m.above.ground Month 7

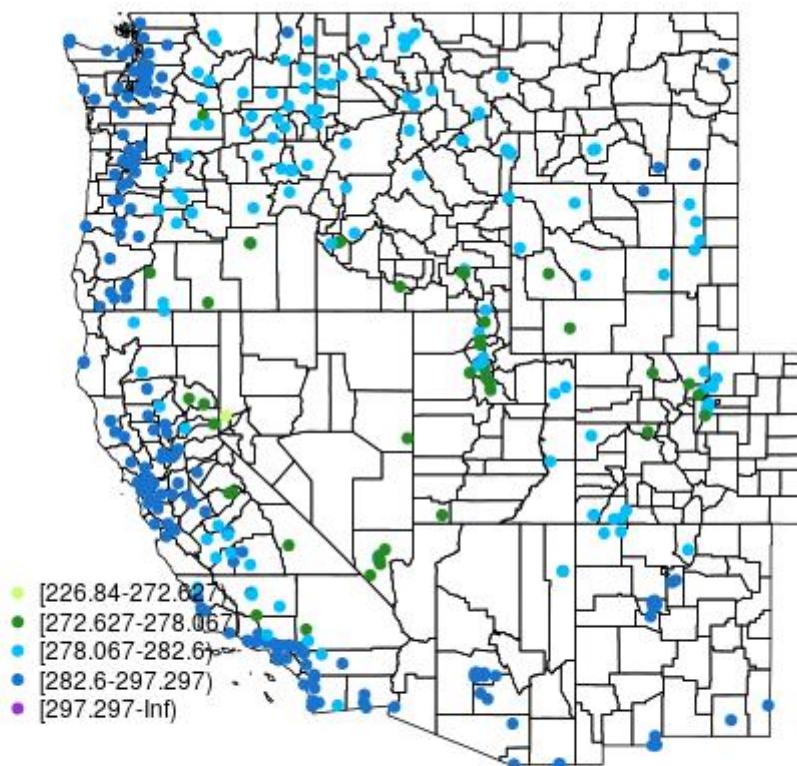


Figure 468: DPT.2.m.above.ground Month 7

DPT.2.m.above.ground Month 8

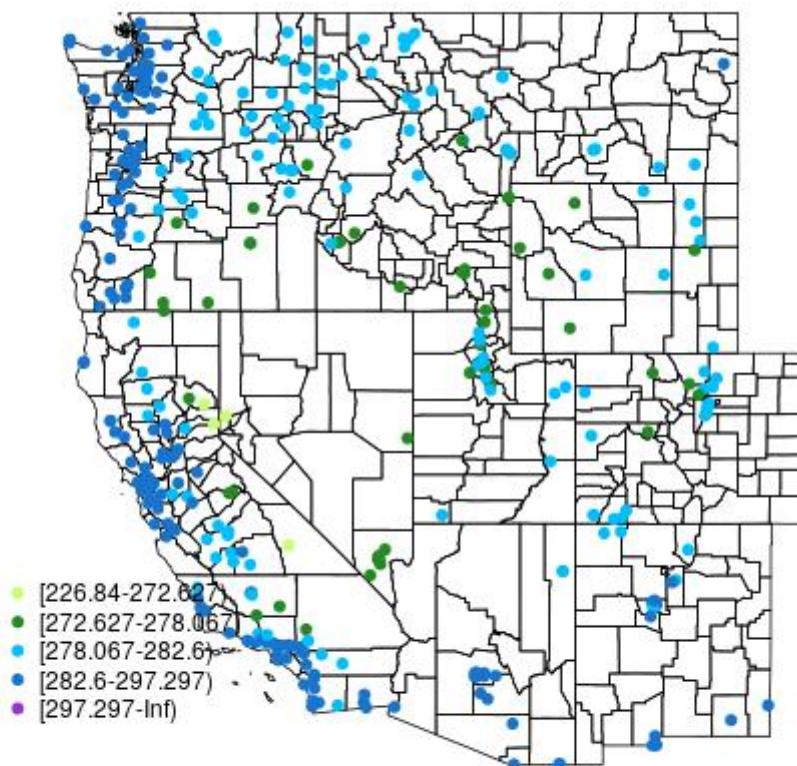


Figure 469: DPT.2.m.above.ground Month 8

DPT.2.m.above.ground Month 9

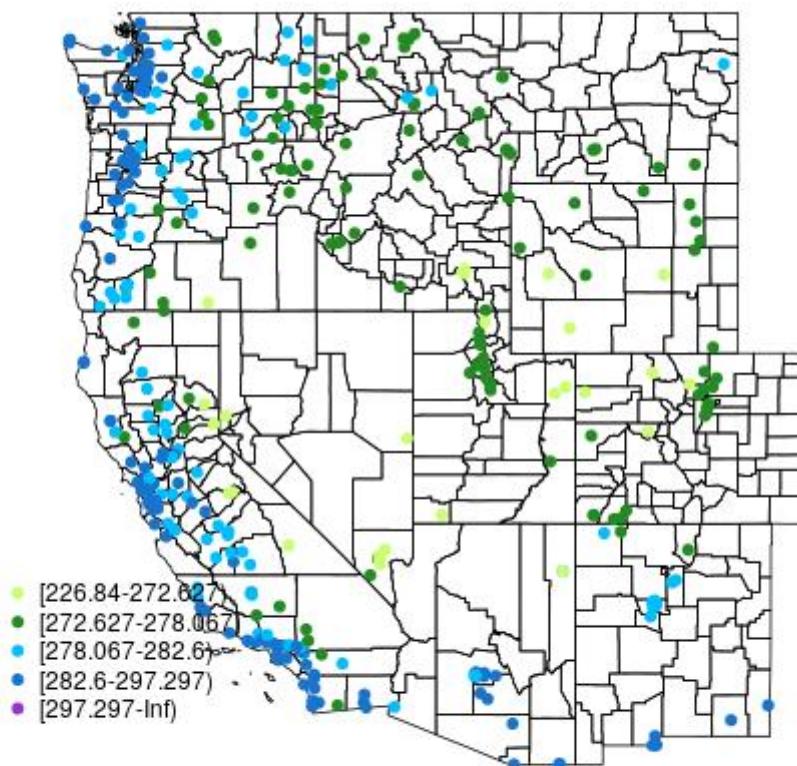


Figure 470: DPT.2.m.above.ground Month 9

DPT.2.m.above.ground Month 10

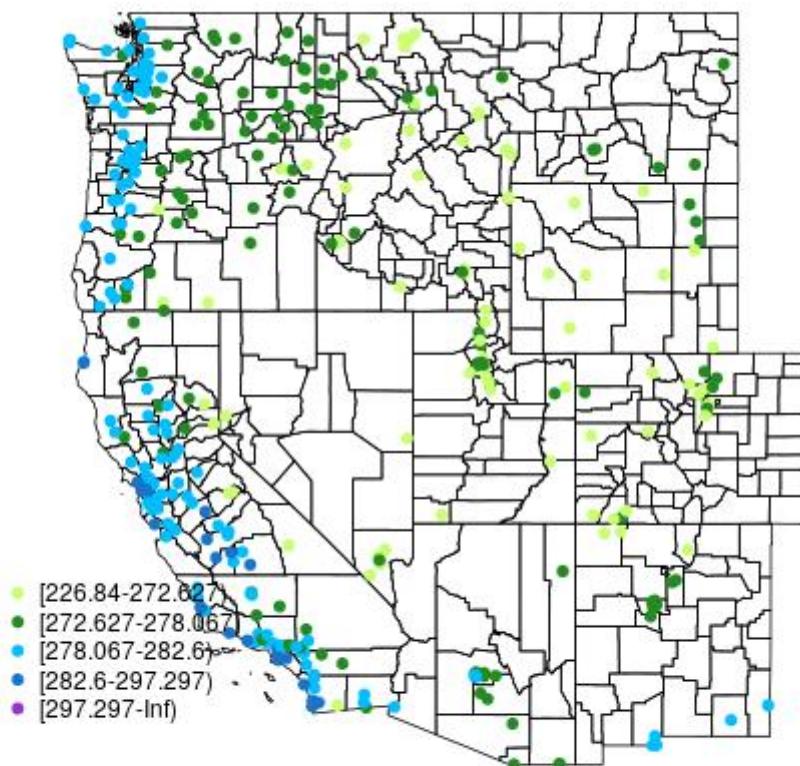


Figure 471: DPT.2.m.above.ground Month 10

DPT.2.m.above.ground Month 11

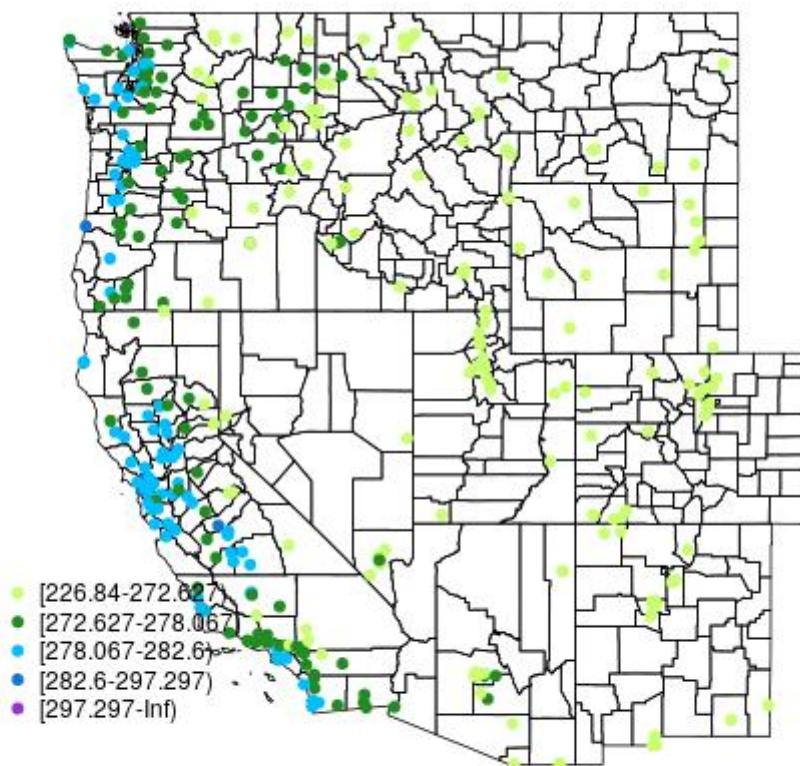


Figure 472: DPT.2.m.above.ground Month 11

DPT.2.m.above.ground Month 12

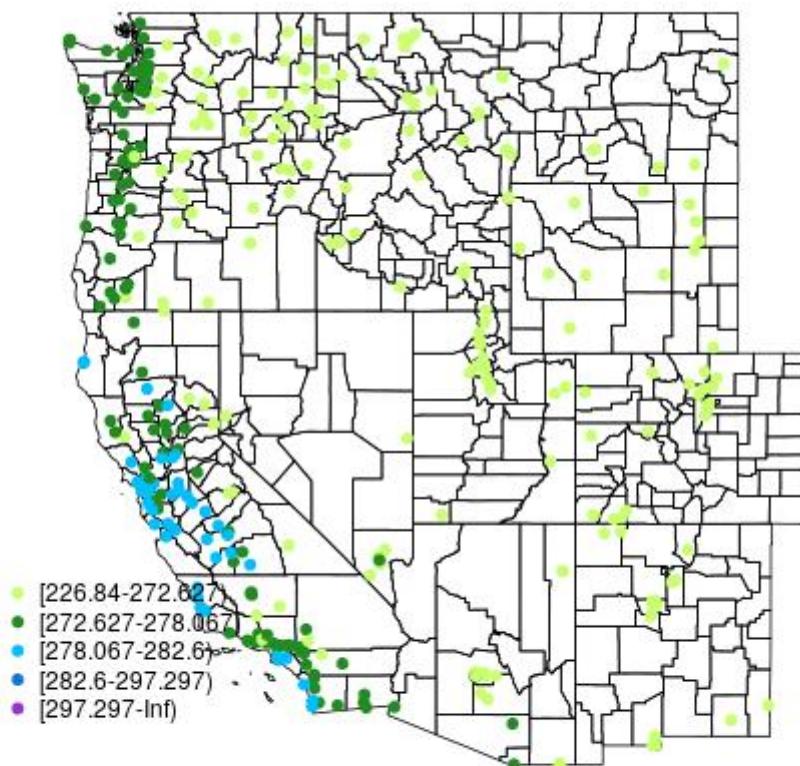


Figure 473: DPT.2.m.above.ground Month 12

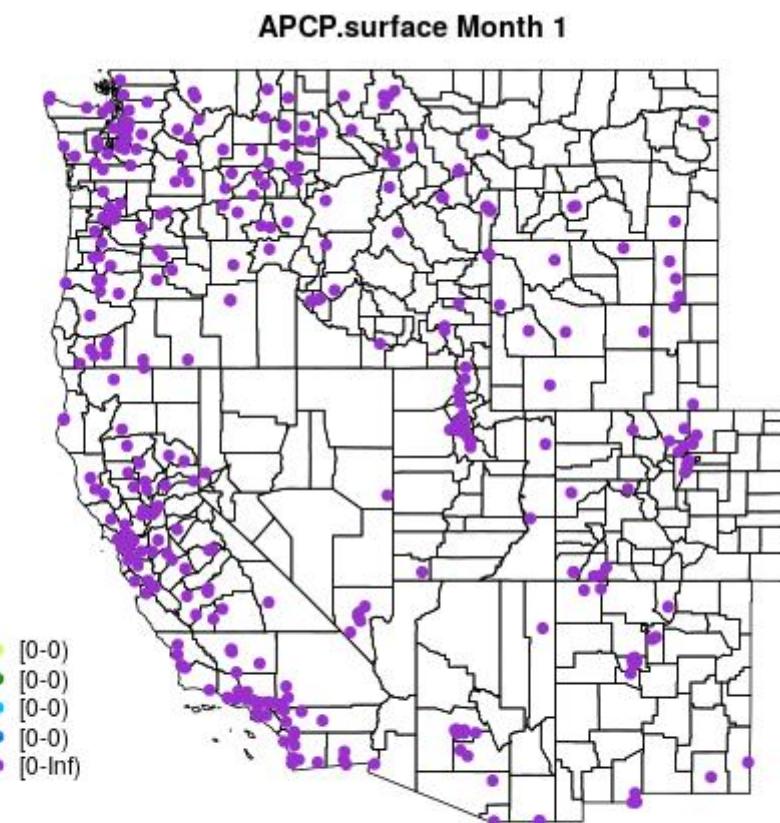


Figure 474: APCP.surface Month 1

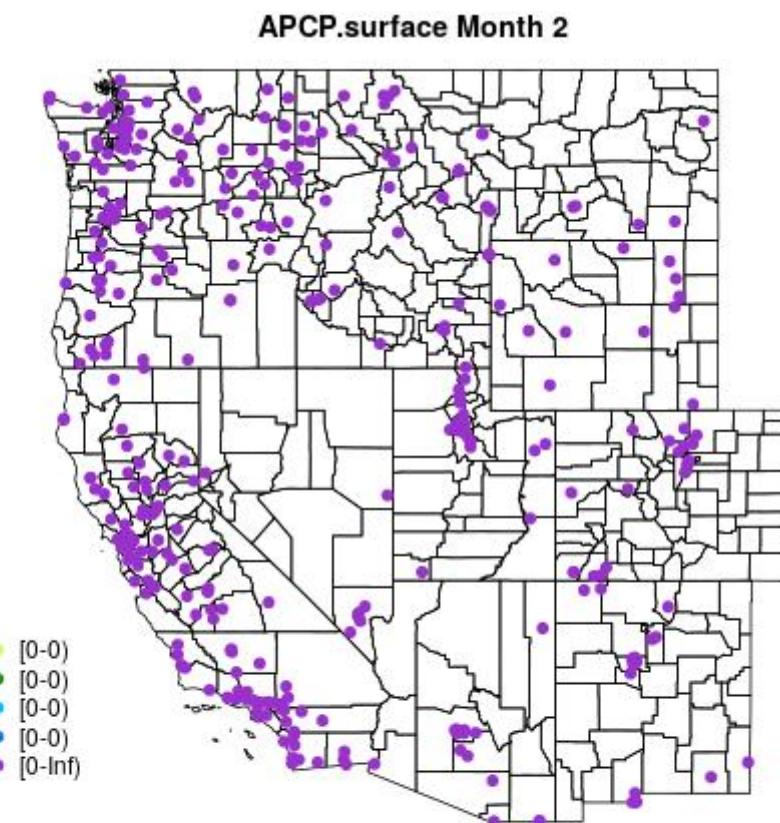


Figure 475: APCP.surface Month 2

APCP.surface Month 3

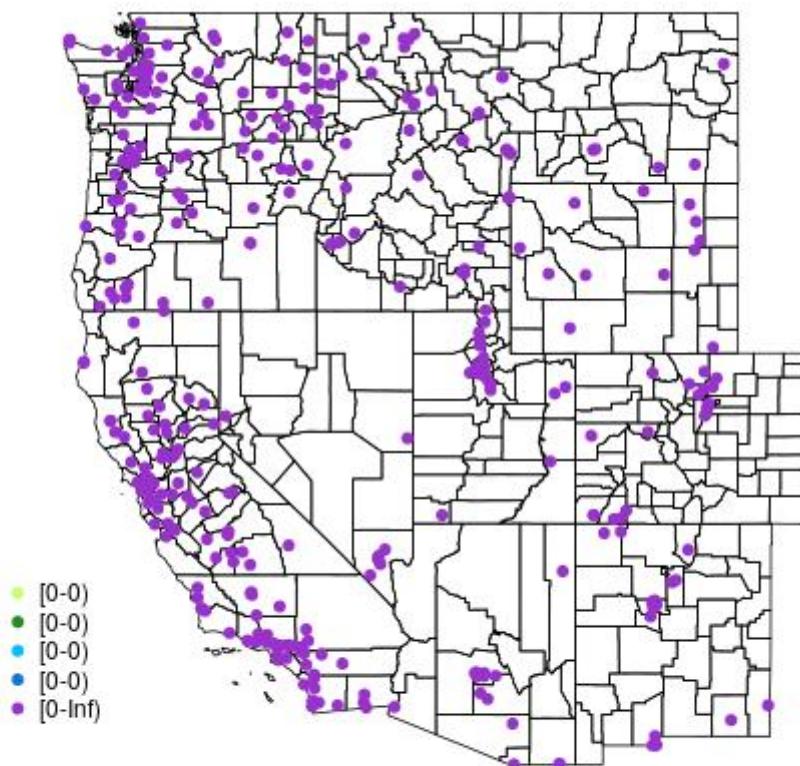


Figure 476: APCP.surface Month 3

APCP.surface Month 4

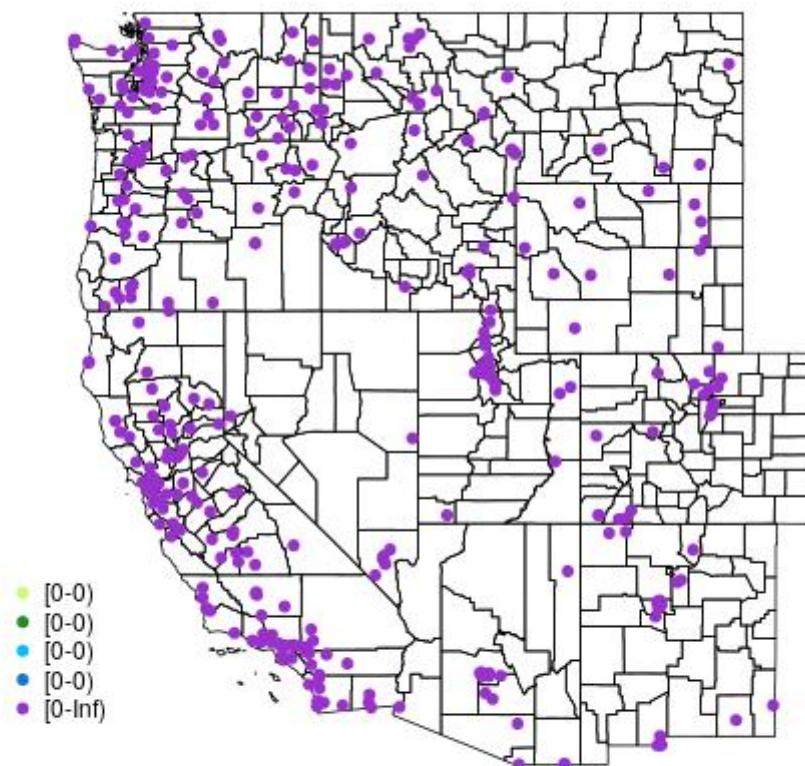


Figure 477: APCP.surface Month 4

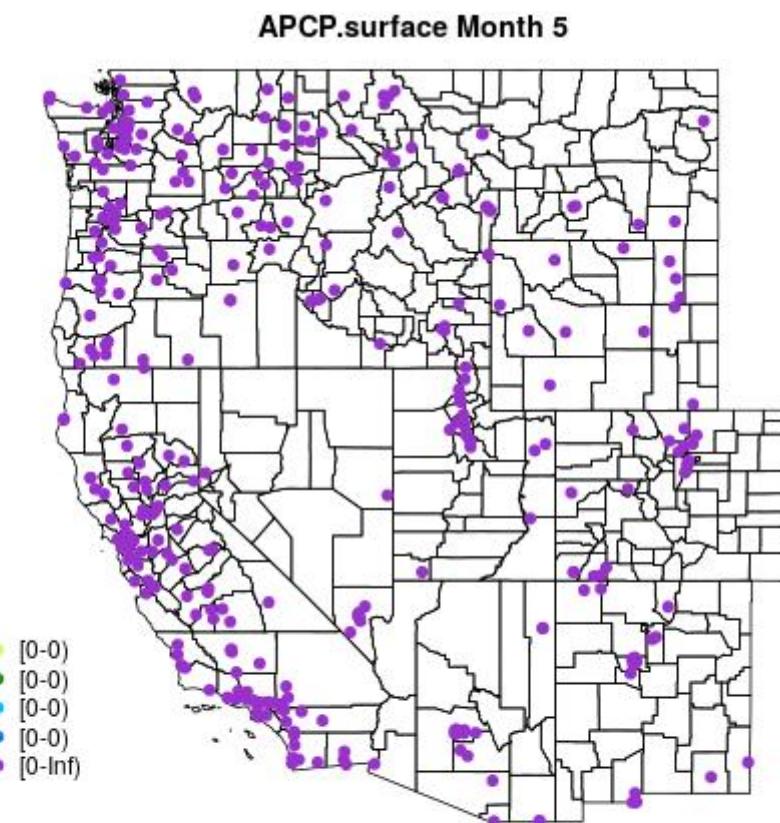


Figure 478: APCP.surface Month 5

APCP.surface Month 6

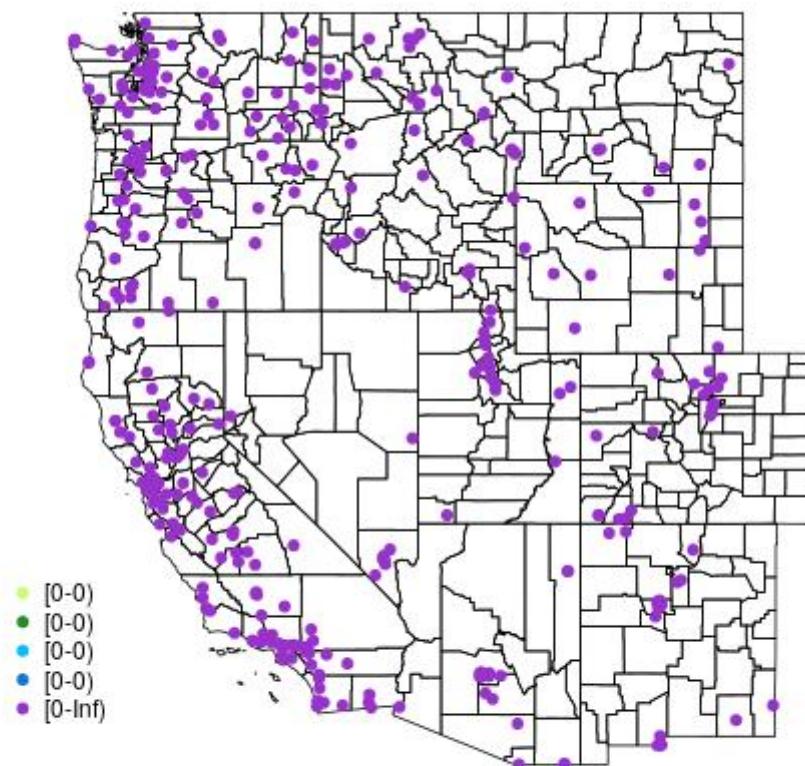


Figure 479: APCP.surface Month 6

APCP.surface Month 7

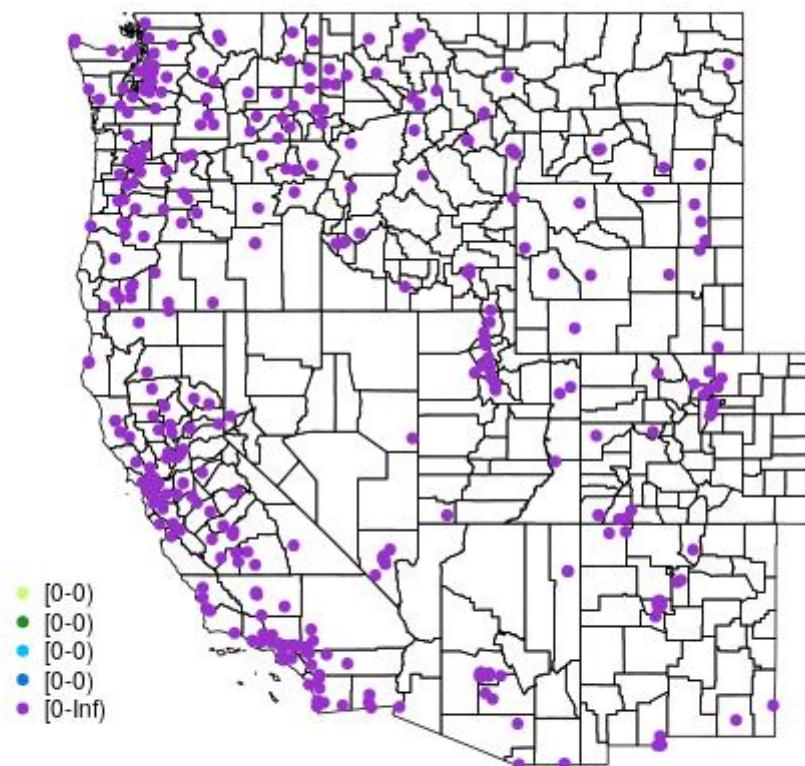


Figure 480: APCP.surface Month 7

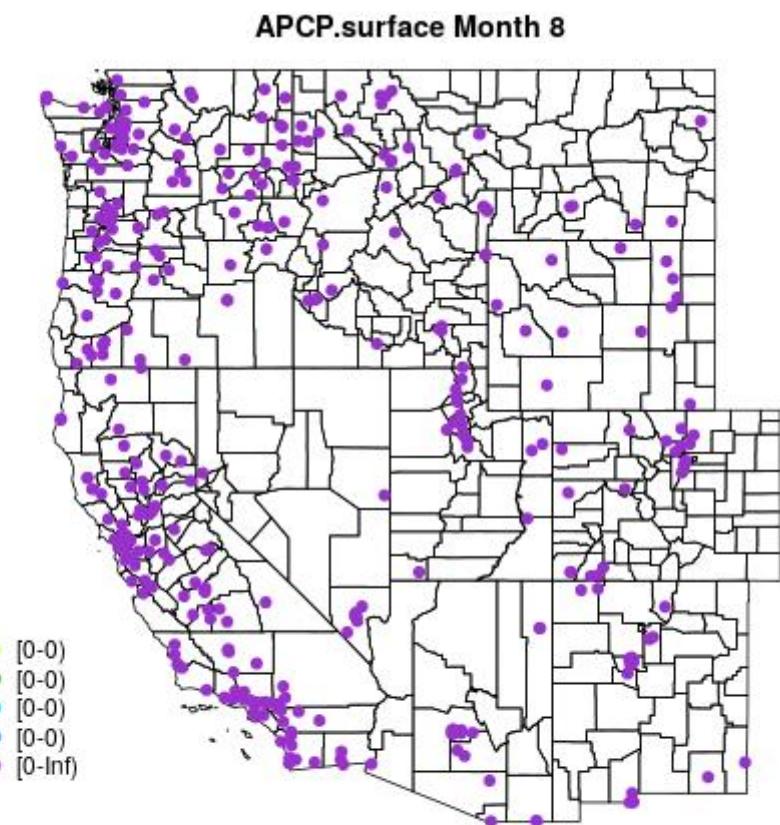


Figure 481: APCP.surface Month 8

APCP.surface Month 9

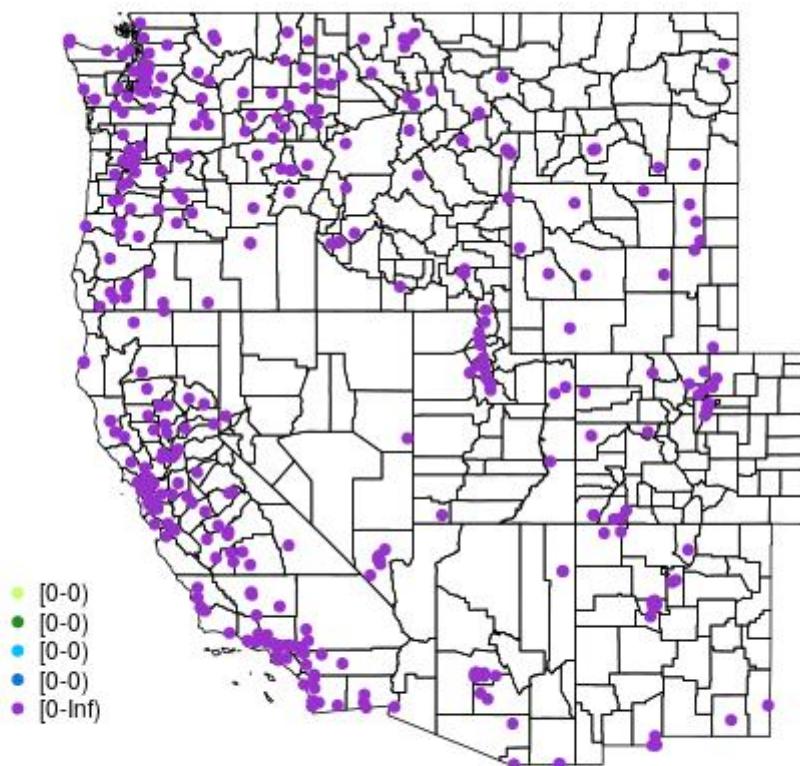


Figure 482: APCP.surface Month 9

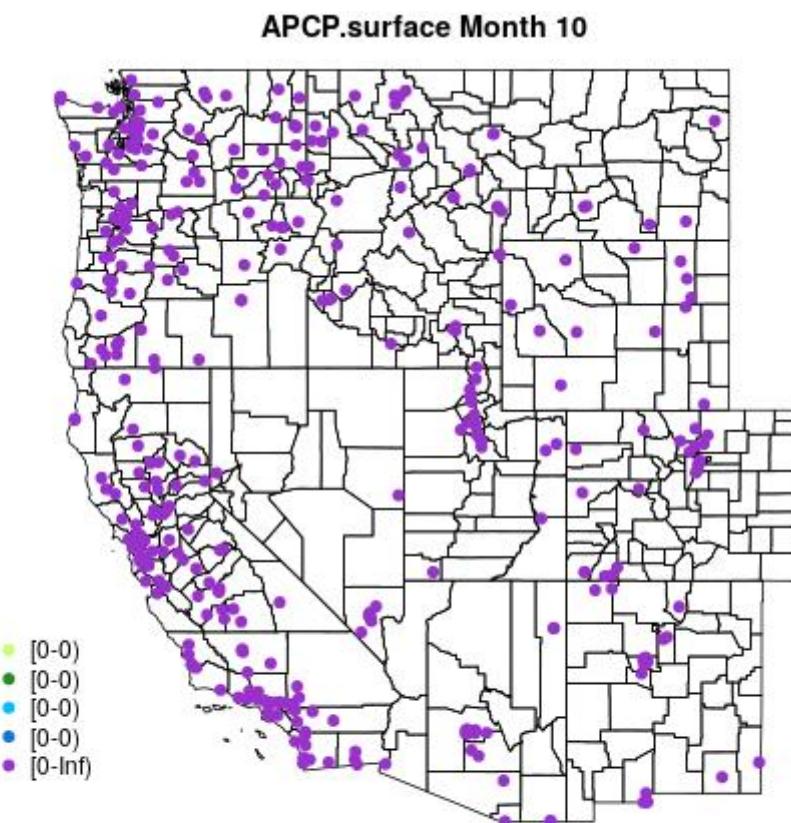


Figure 483: APCP.surface Month 10

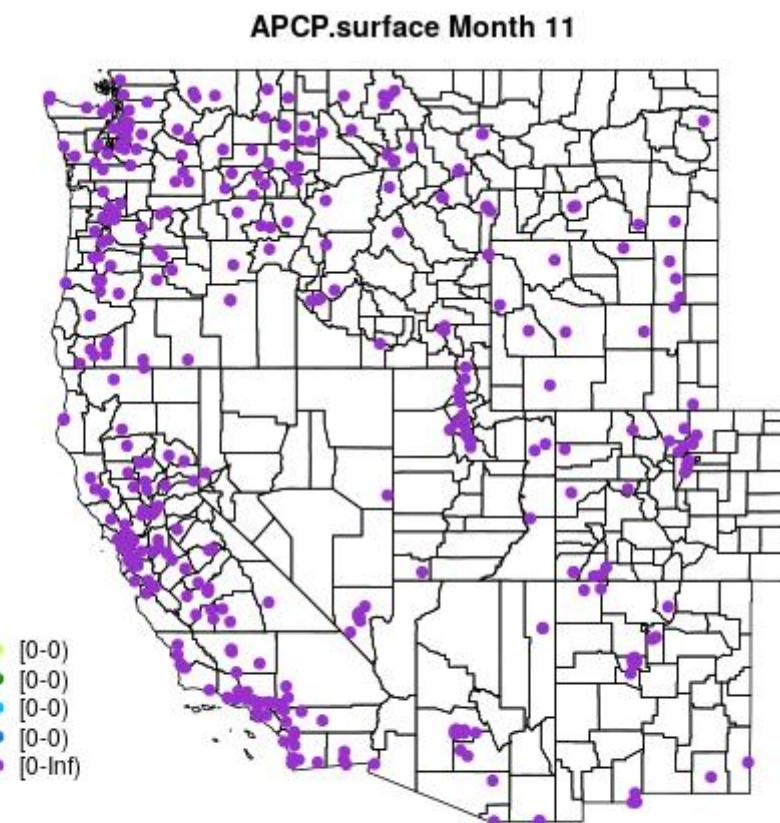


Figure 484: APCP.surface Month 11

APCP.surface Month 12

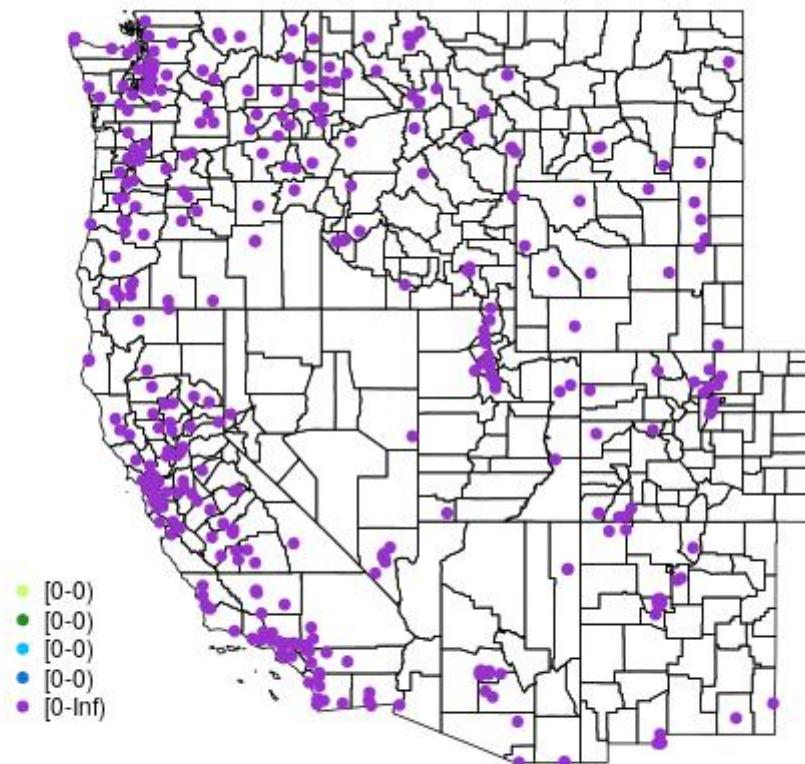


Figure 485: APCP.surface Month 12

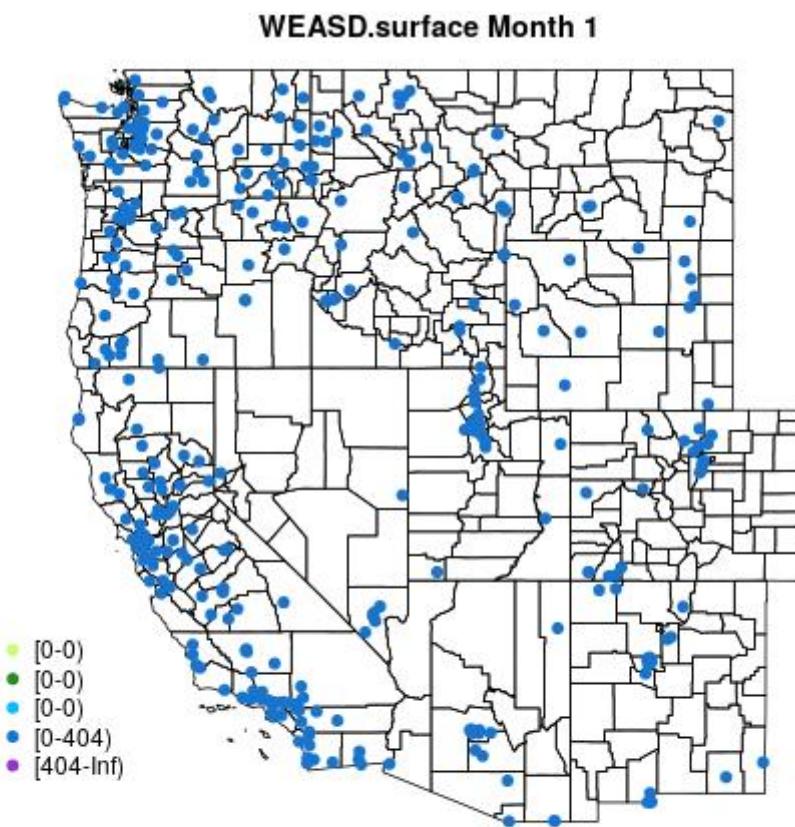


Figure 486: WEASD.surface Month 1

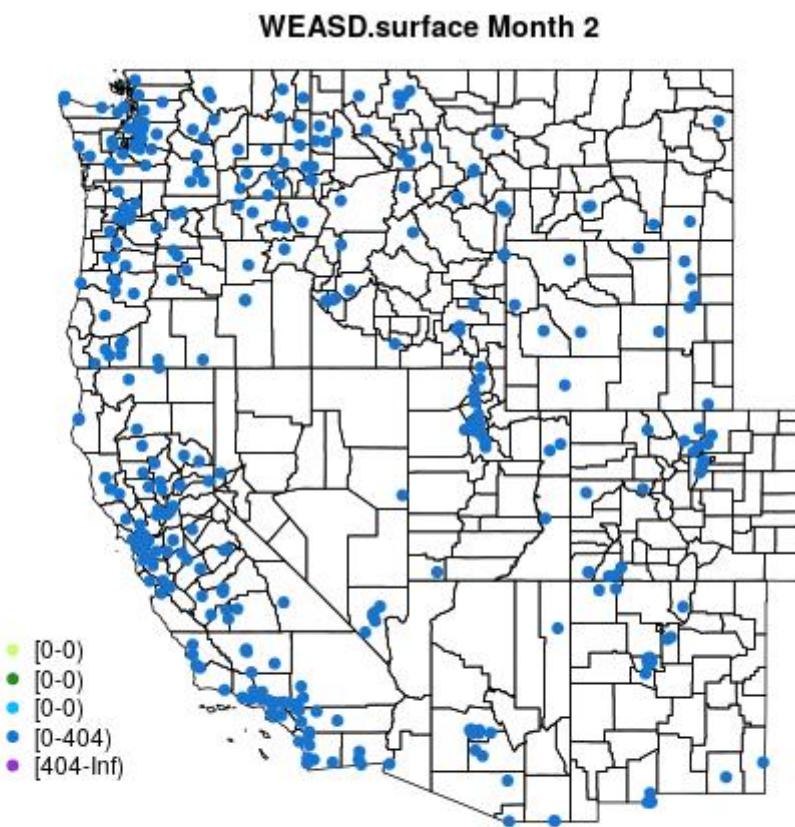


Figure 487: WEASD.surface Month 2

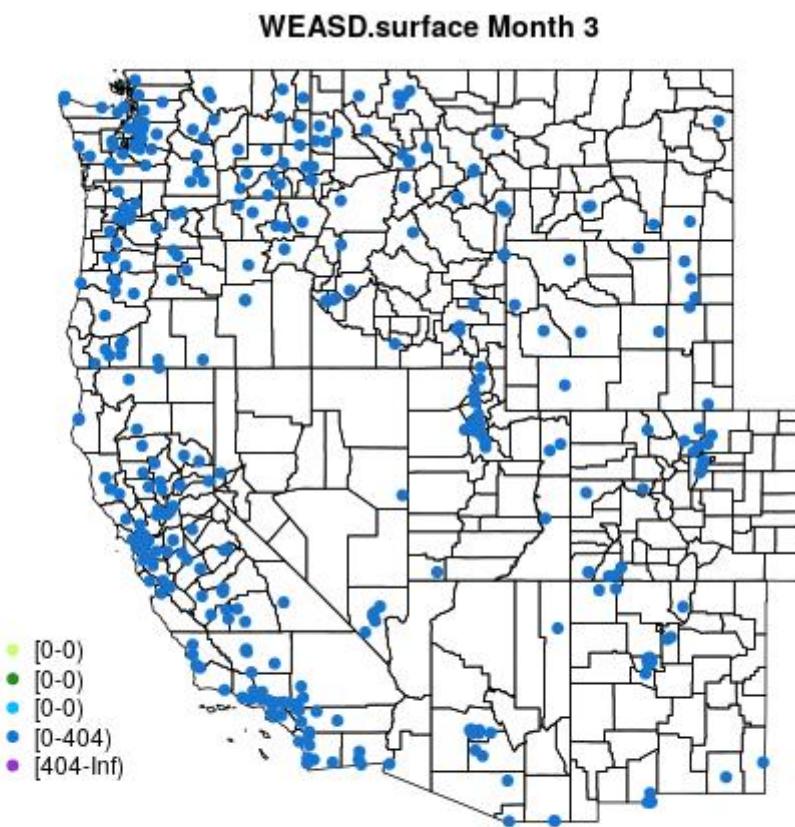


Figure 488: WEASD.surface Month 3

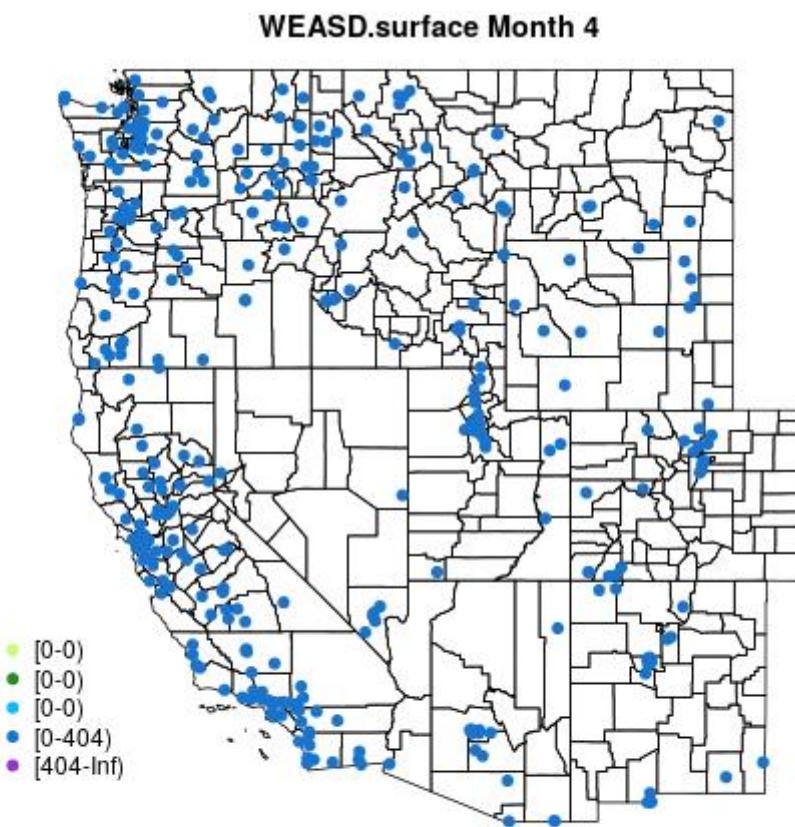


Figure 489: WEASD.surface Month 4

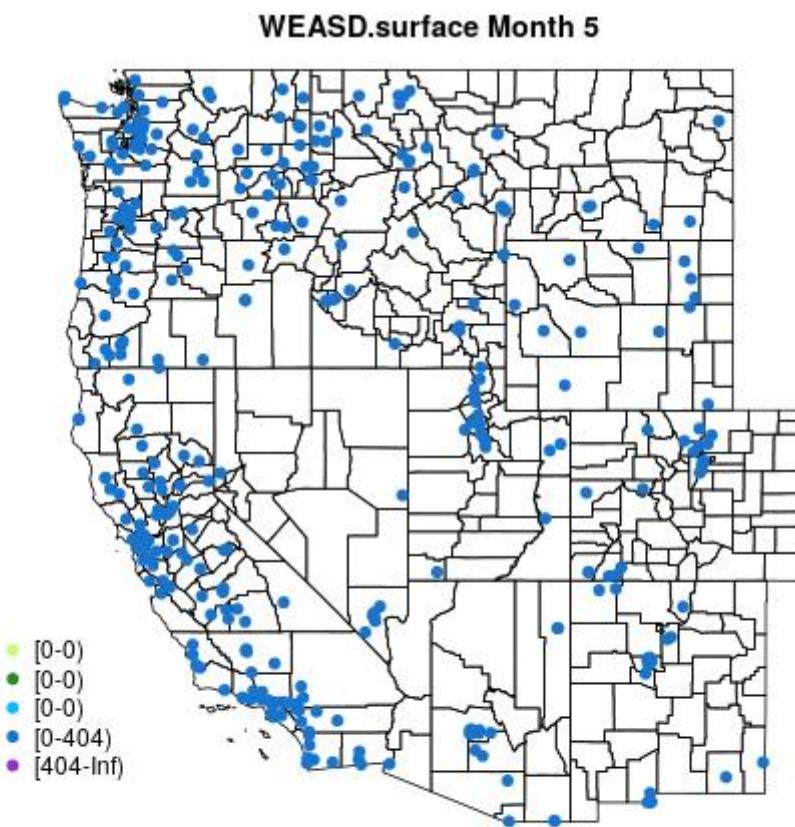


Figure 490: WEASD.surface Month 5

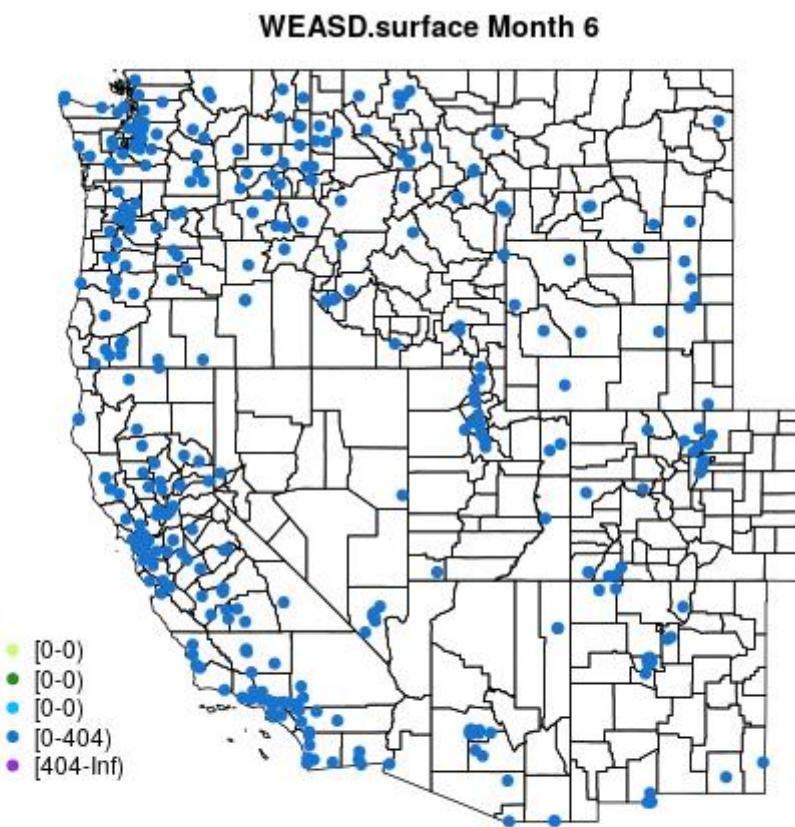


Figure 491: WEASD.surface Month 6

WEASD.surface Month 7

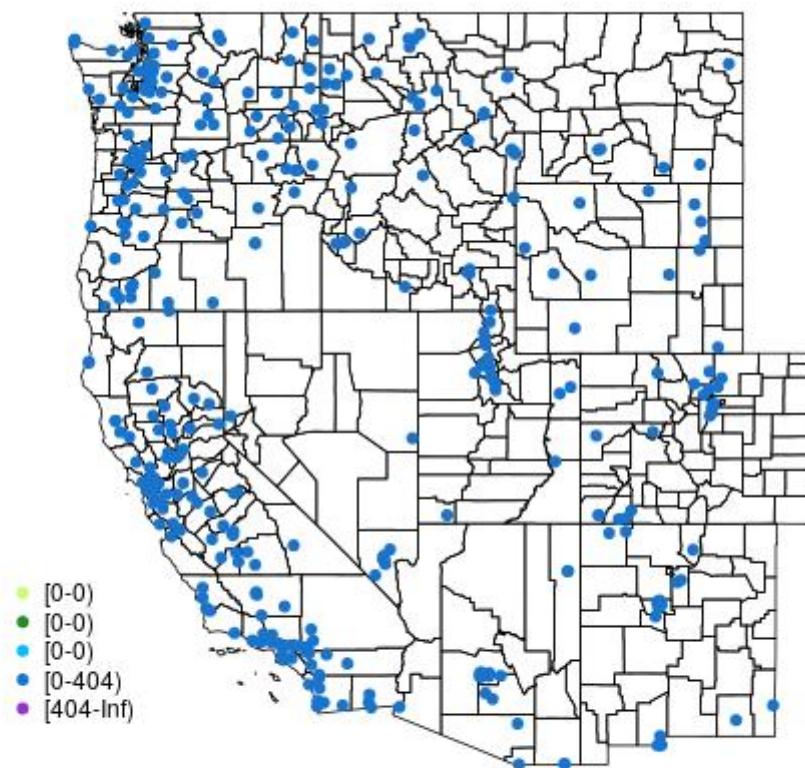


Figure 492: WEASD.surface Month 7

WEASD.surface Month 8

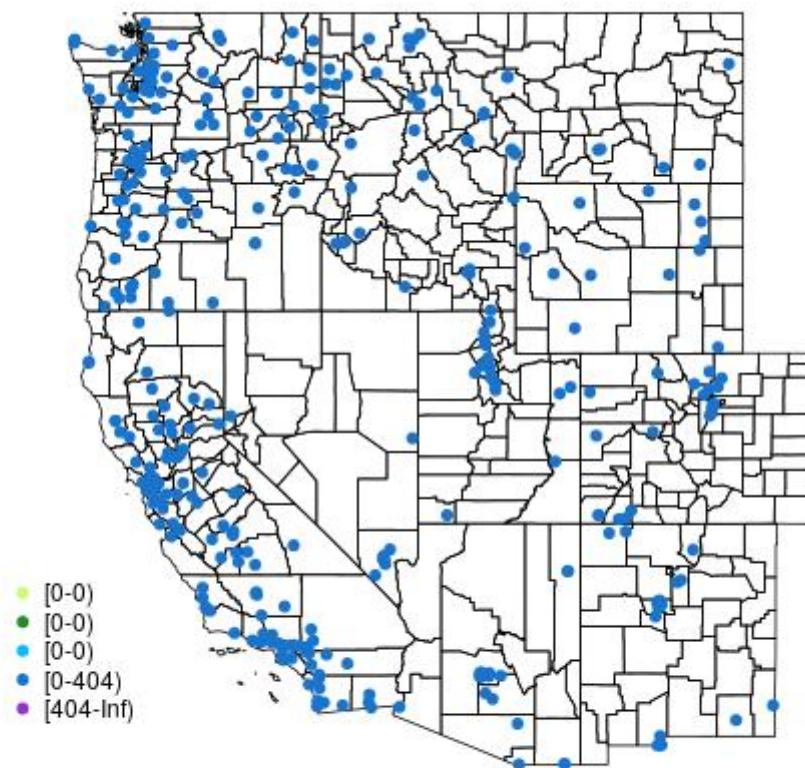


Figure 493: WEASD.surface Month 8

WEASD.surface Month 9

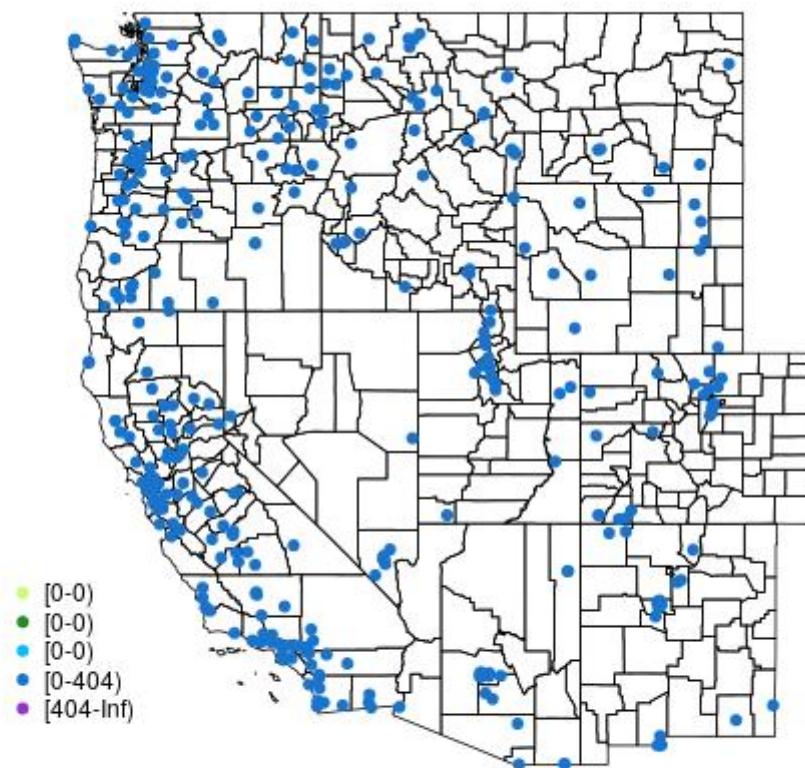


Figure 494: WEASD.surface Month 9

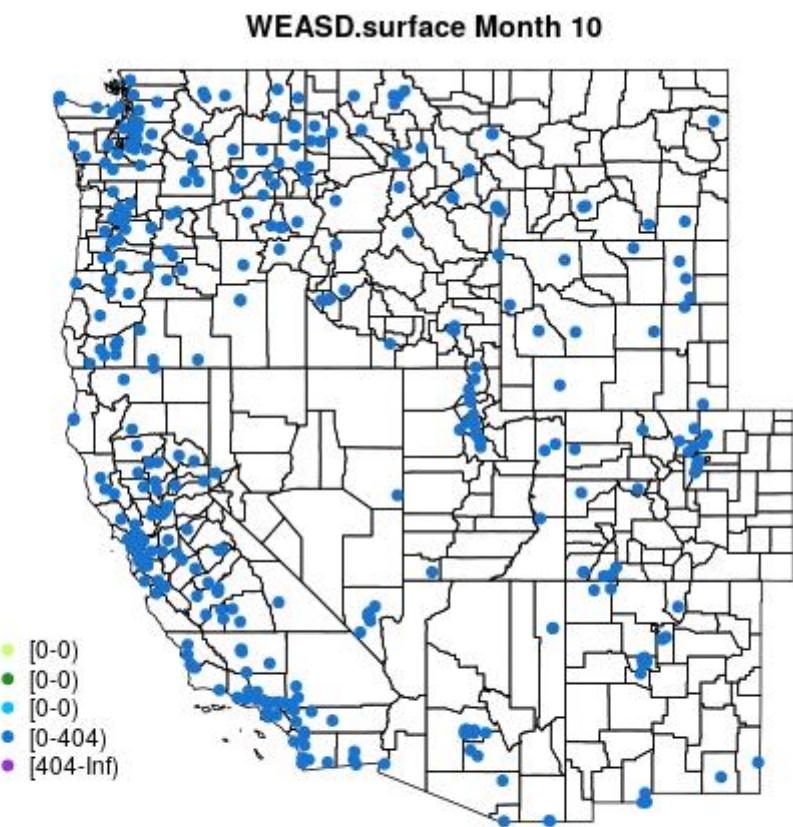


Figure 495: WEASD.surface Month 10

WEASD.surface Month 11

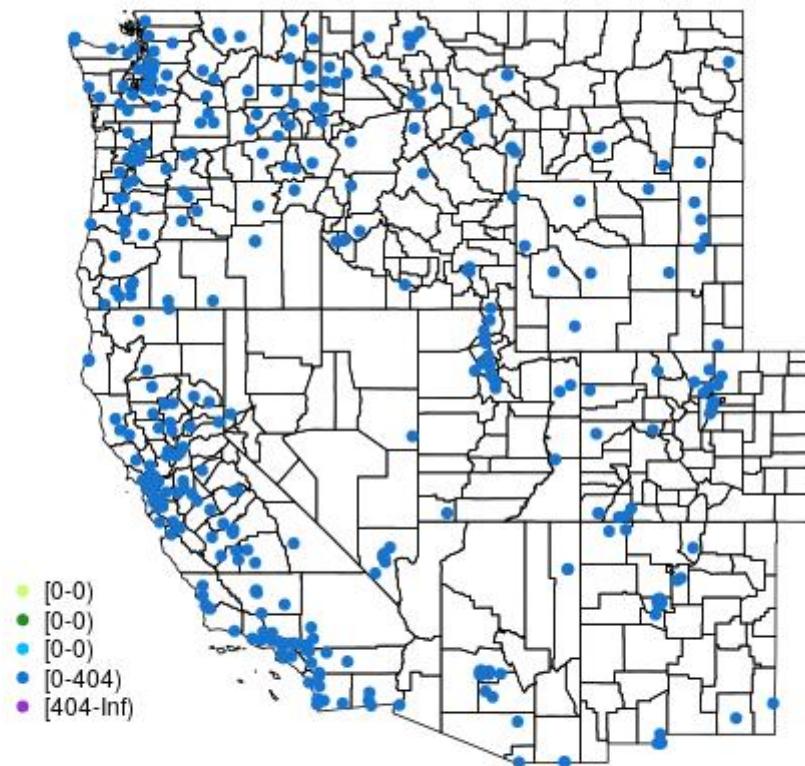


Figure 496: WEASD.surface Month 11

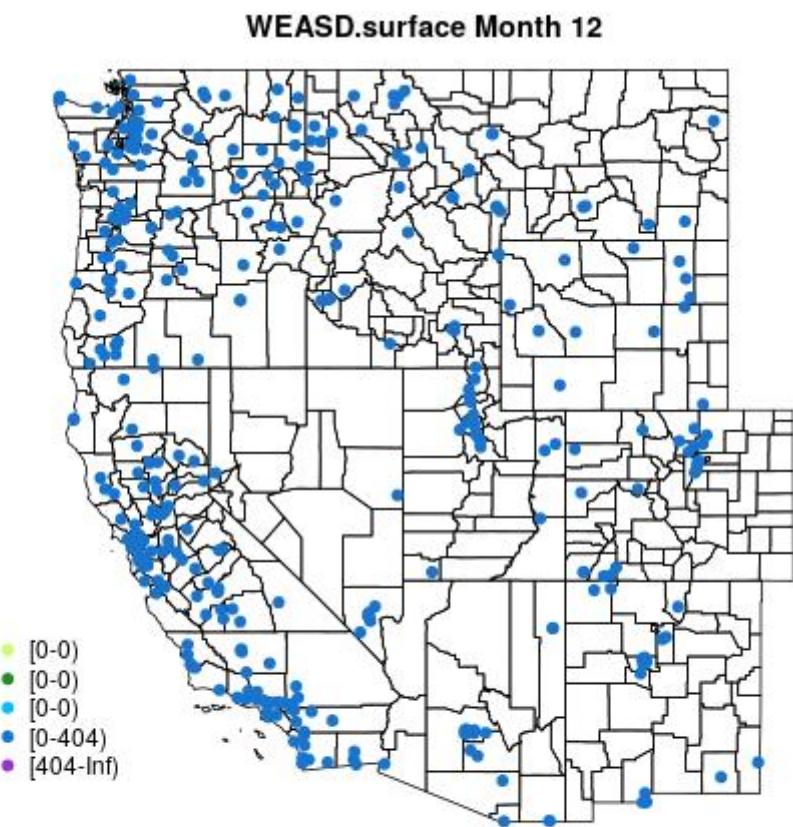


Figure 497: WEASD.surface Month 12

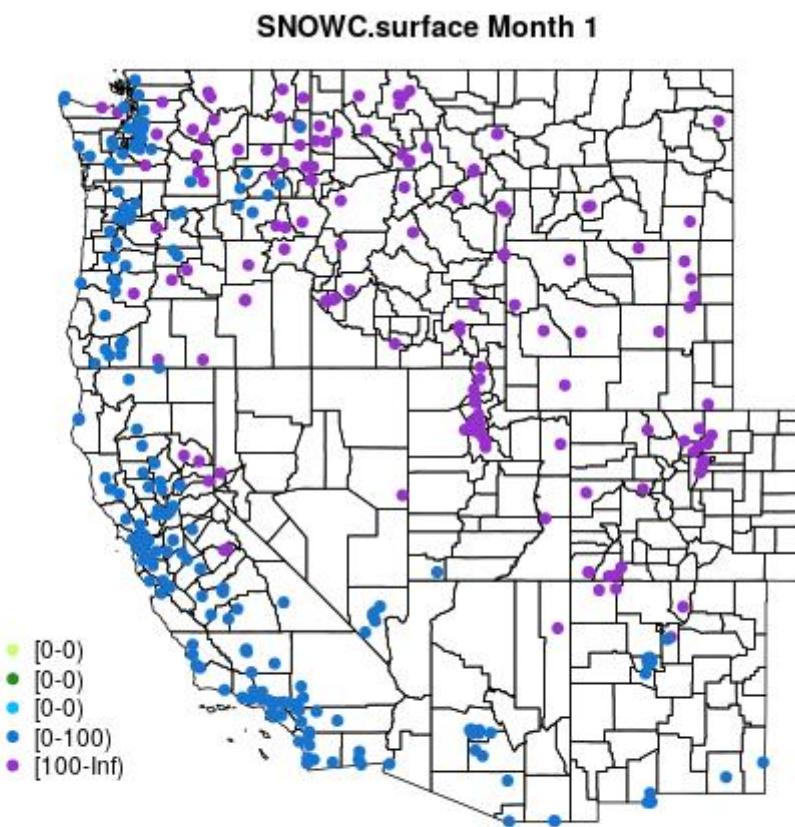


Figure 498: SNOWC.surface Month 1

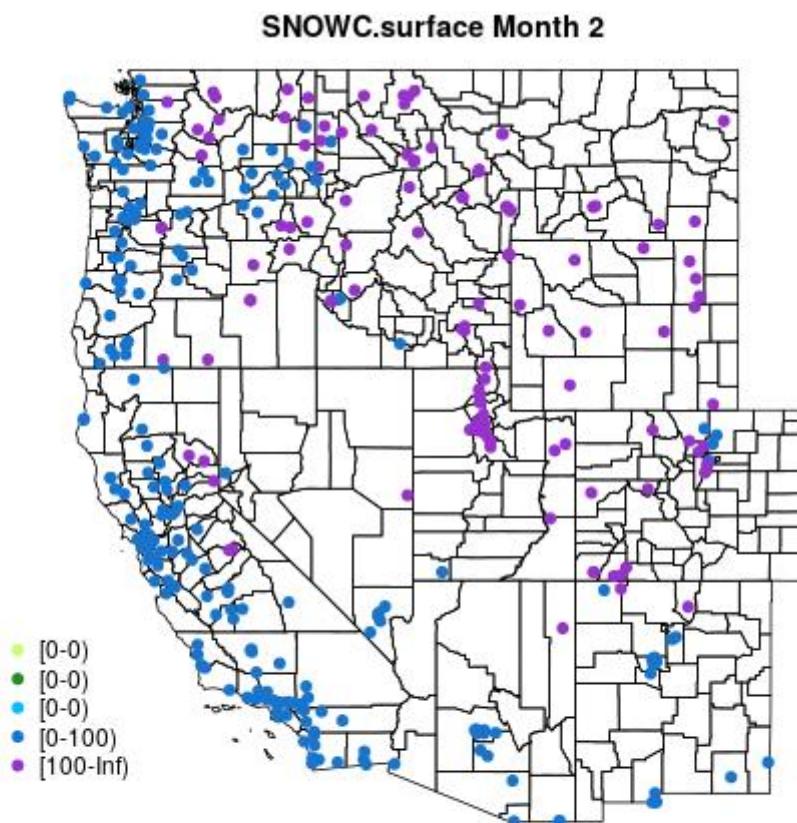


Figure 499: SNOWC.surface Month 2

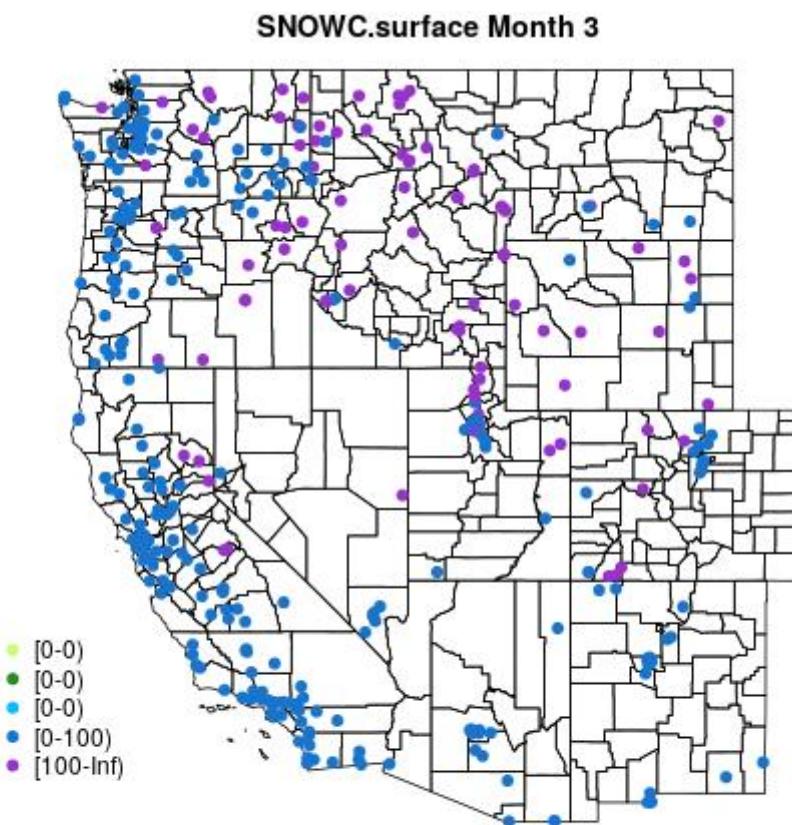


Figure 500: SNOWC.surface Month 3

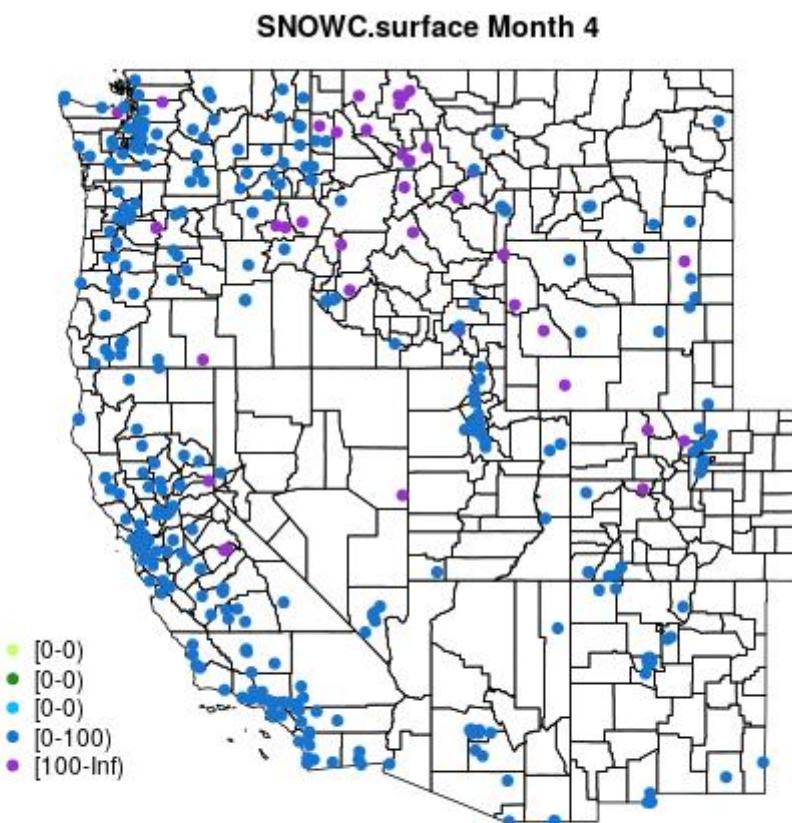


Figure 501: SNOWC.surface Month 4

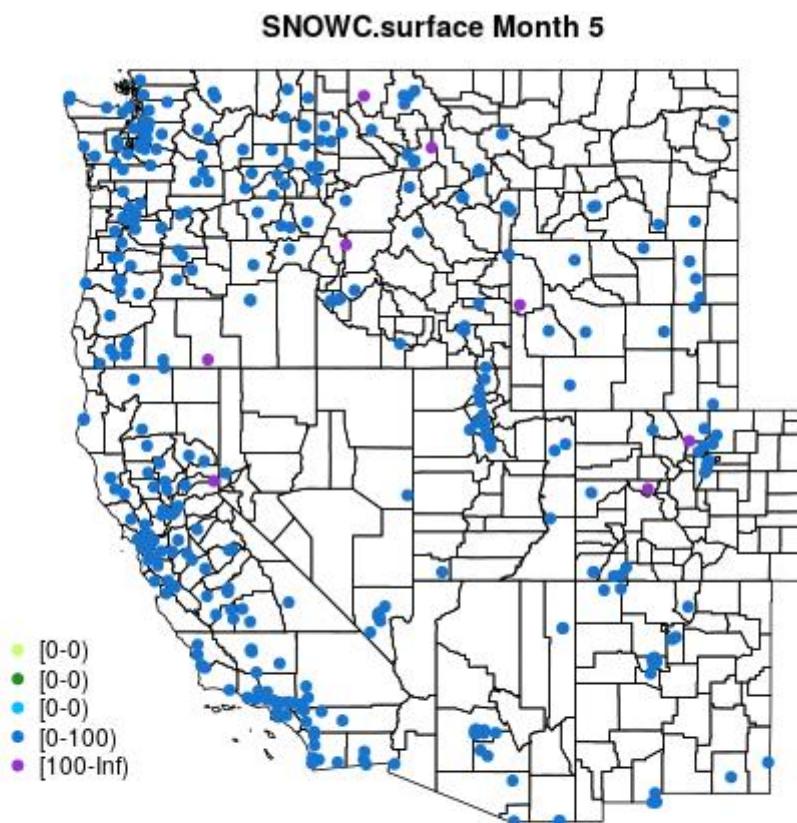


Figure 502: SNOWC.surface Month 5

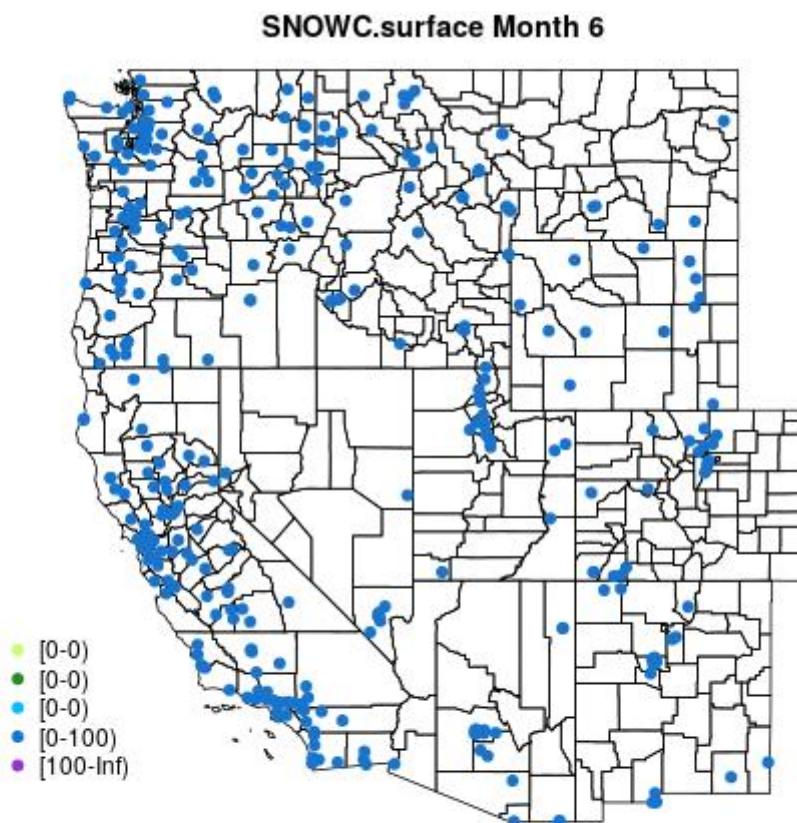


Figure 503: SNOWC.surface Month 6

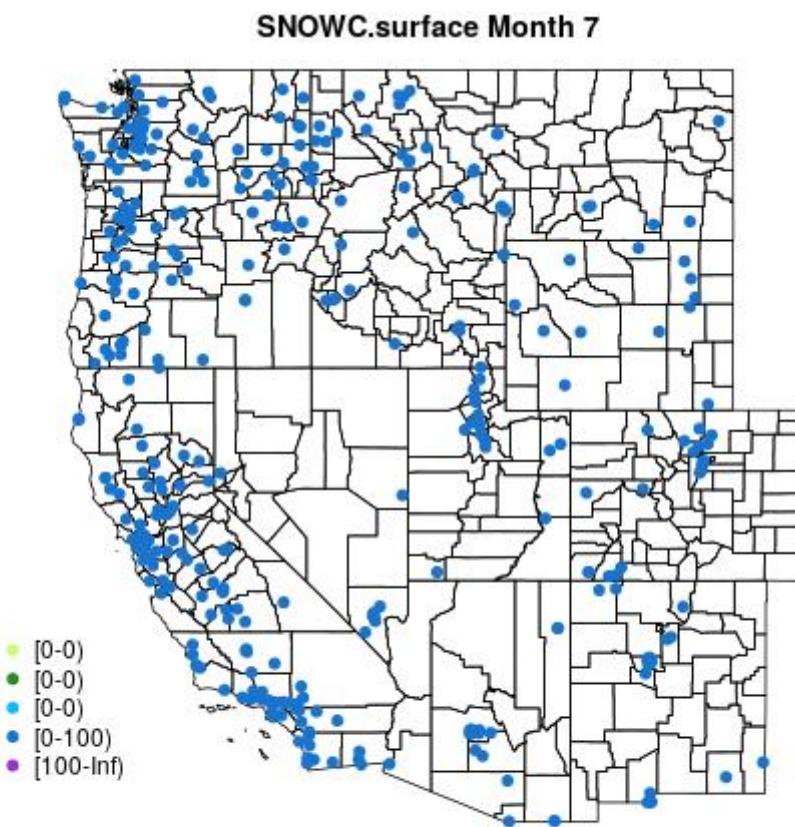


Figure 504: SNOWC.surface Month 7

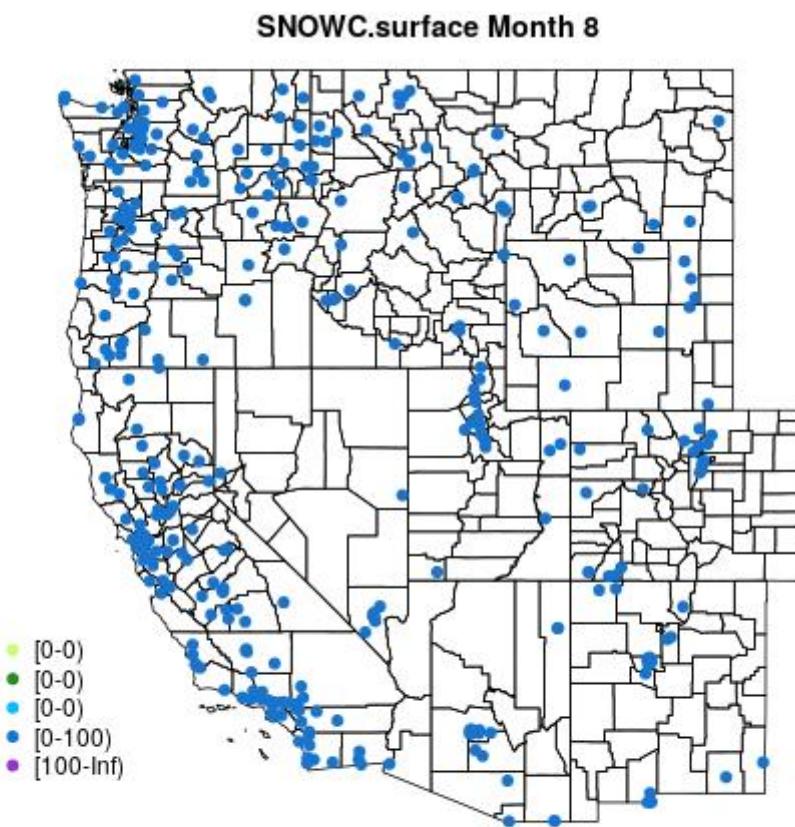


Figure 505: SNOWC.surface Month 8

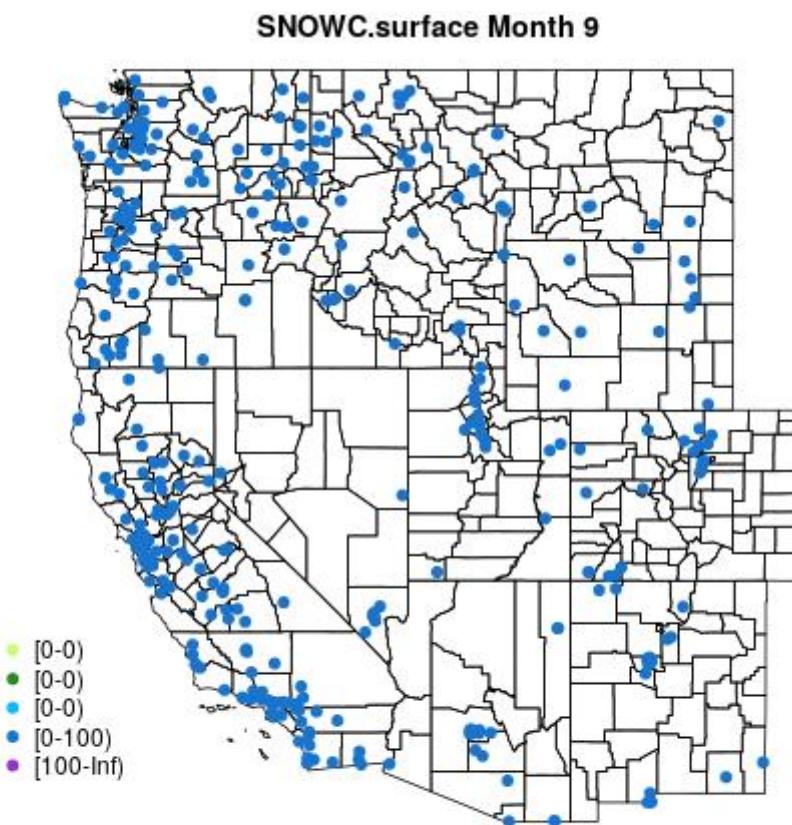


Figure 506: SNOWC.surface Month 9

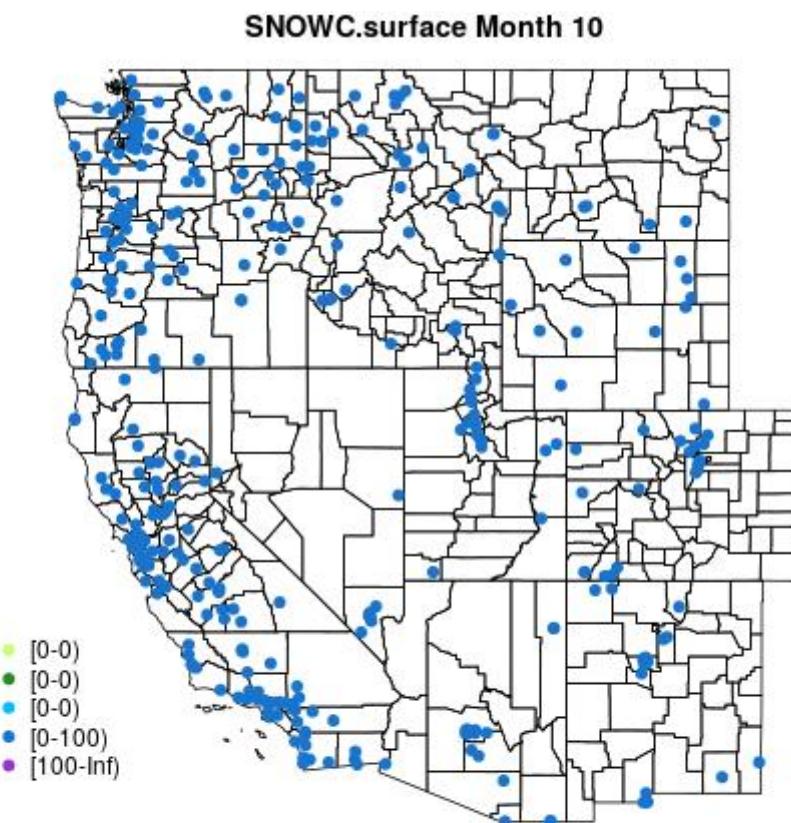


Figure 507: SNOWC.surface Month 10

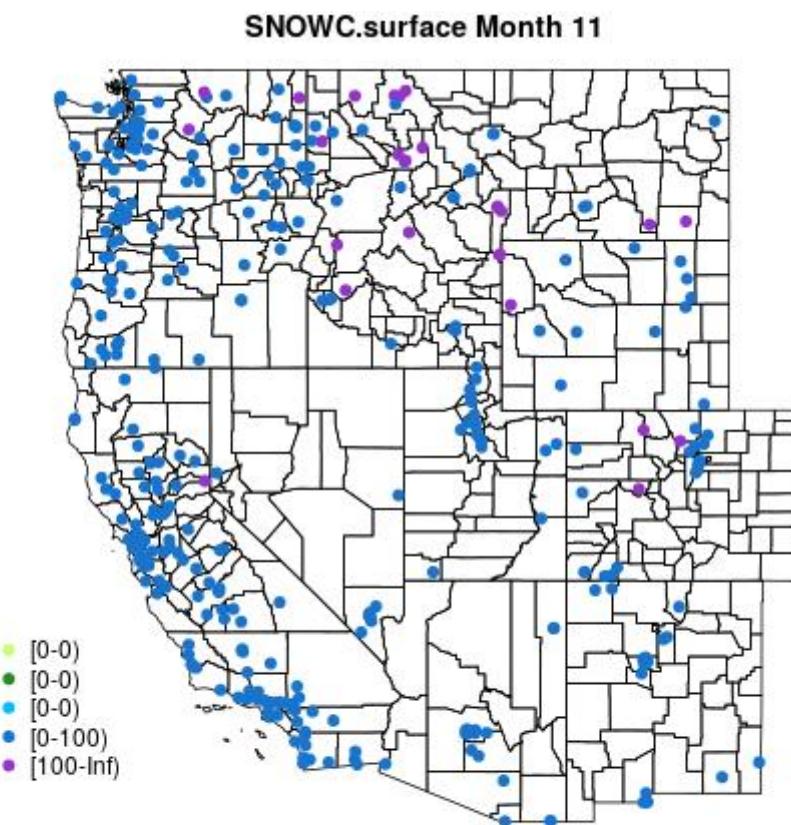


Figure 508: SNOWC.surface Month 11

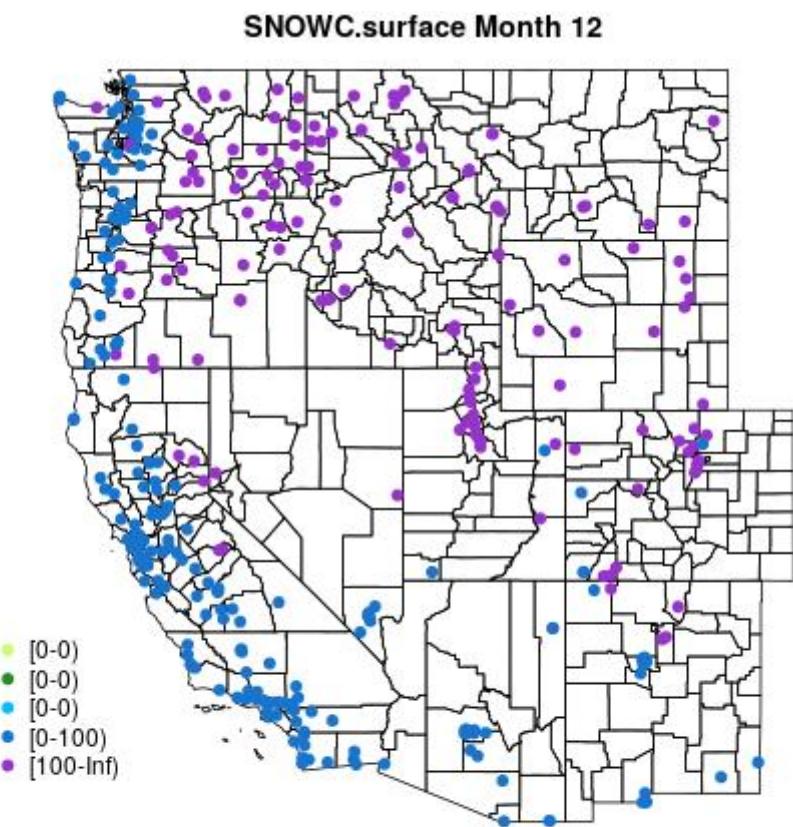


Figure 509: SNOWC.surface Month 12

UGRD.10.m.above.ground Month 1

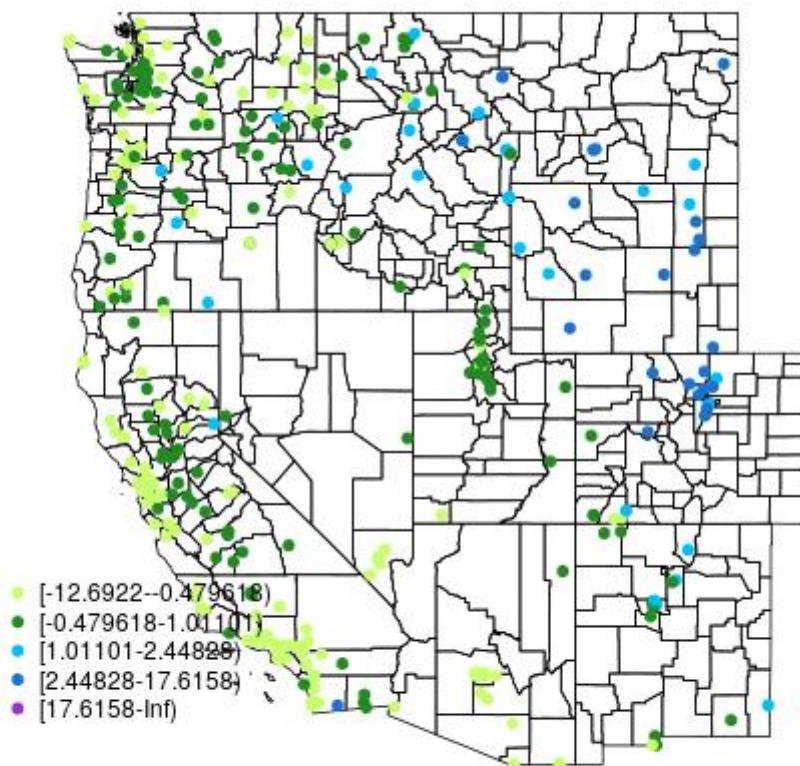


Figure 510: UGRD.10.m.above.ground Month 1

UGRD.10.m.above.ground Month 2

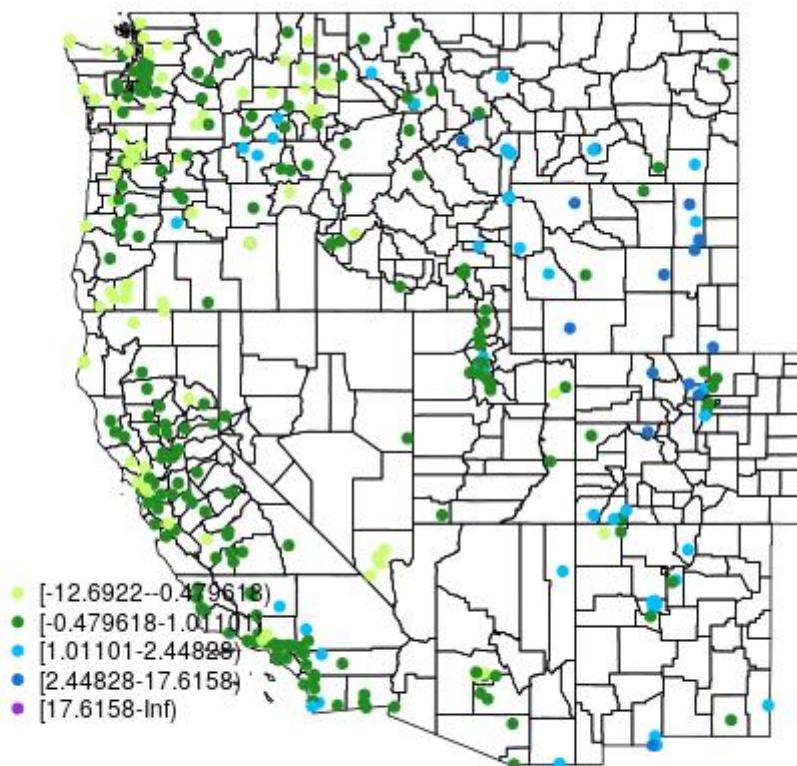


Figure 511: UGRD.10.m.above.ground Month 2

UGRD.10.m.above.ground Month 3

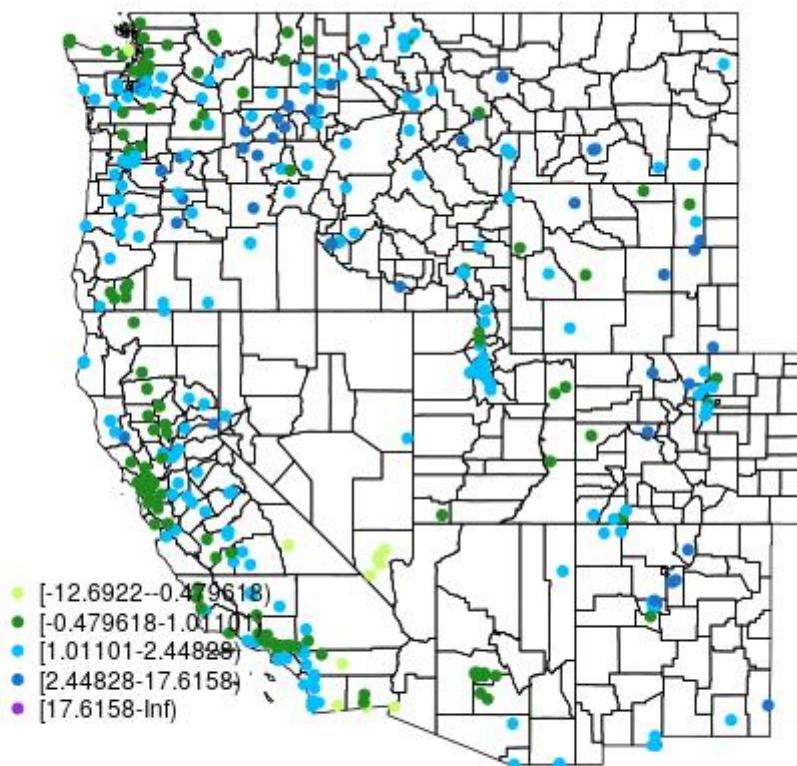


Figure 512: UGRD.10.m.above.ground Month 3

UGRD.10.m.above.ground Month 4

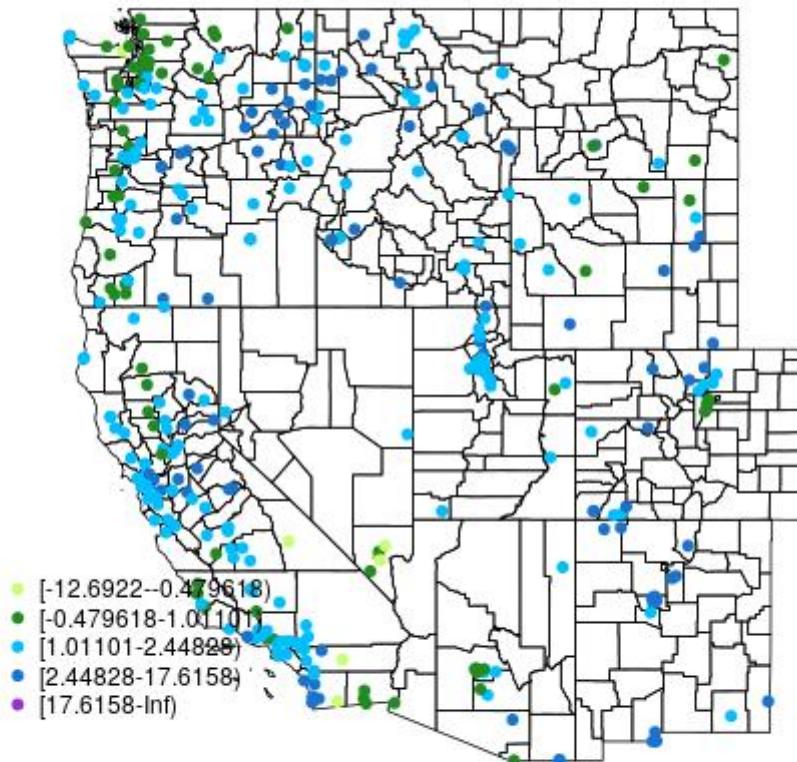


Figure 513: UGRD.10.m.above.ground Month 4

UGRD.10.m.above.ground Month 5

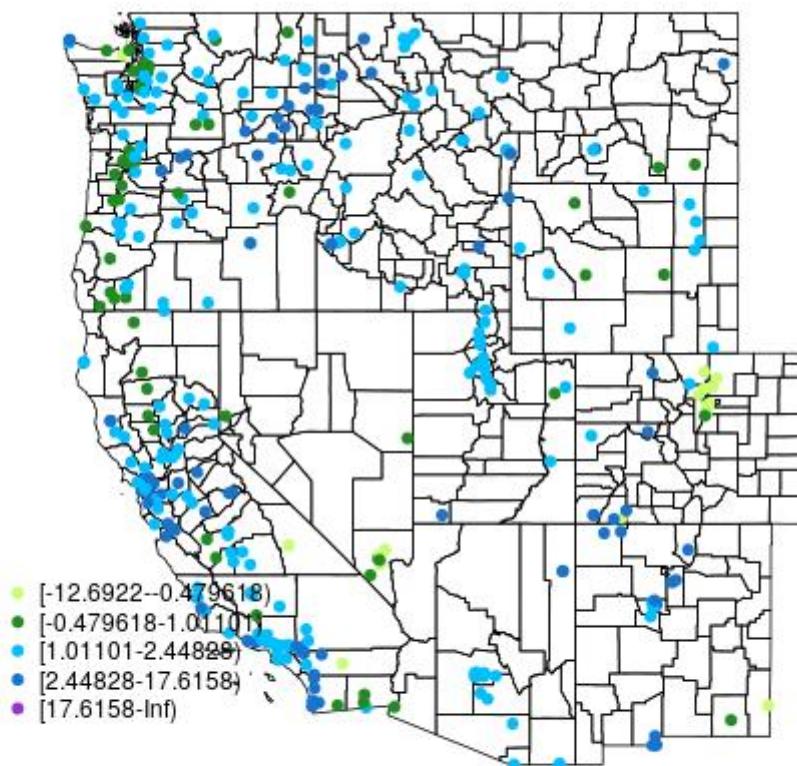


Figure 514: UGRD.10.m.above.ground Month 5

UGRD.10.m.above.ground Month 6

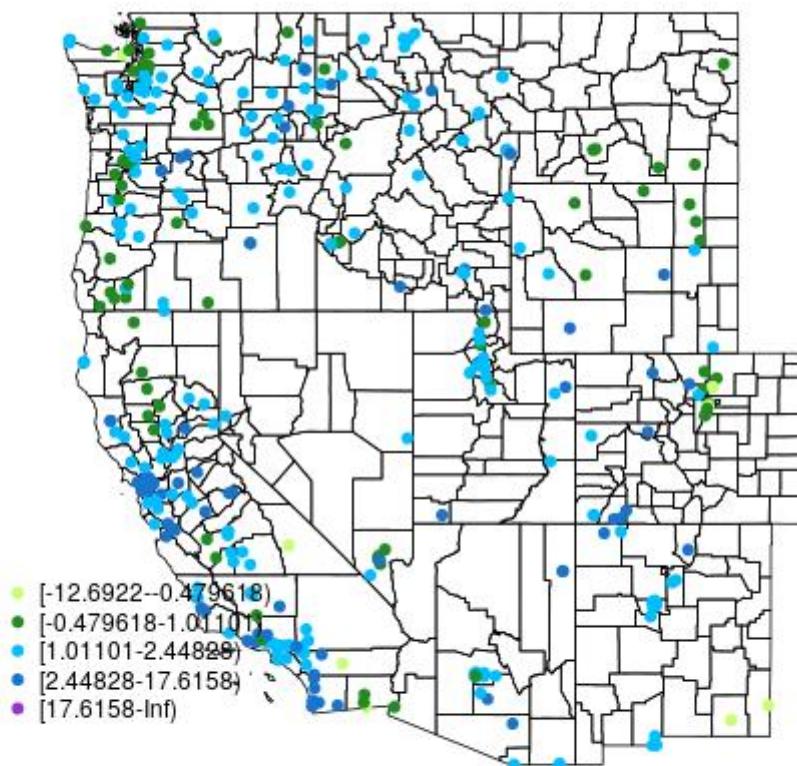


Figure 515: UGRD.10.m.above.ground Month 6

UGRD.10.m.above.ground Month 7

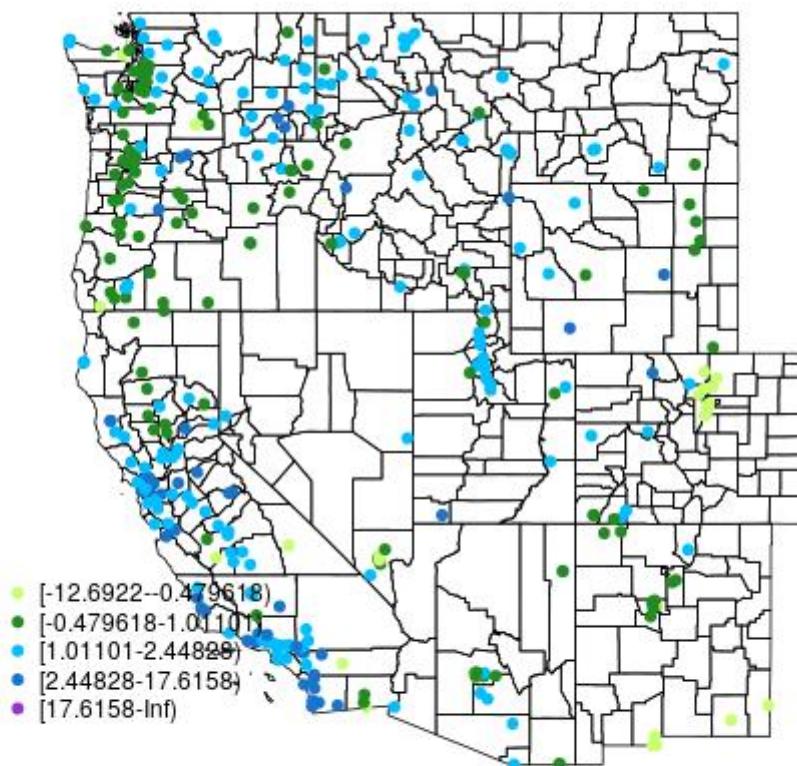


Figure 516: UGRD.10.m.above.ground Month 7

UGRD.10.m.above.ground Month 8

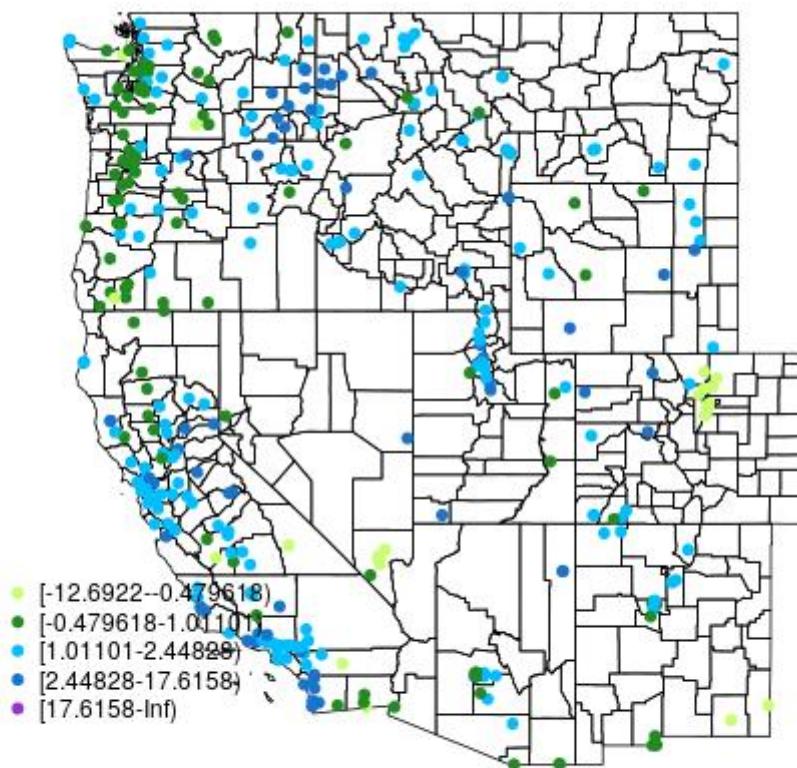


Figure 517: UGRD.10.m.above.ground Month 8

UGRD.10.m.above.ground Month 9

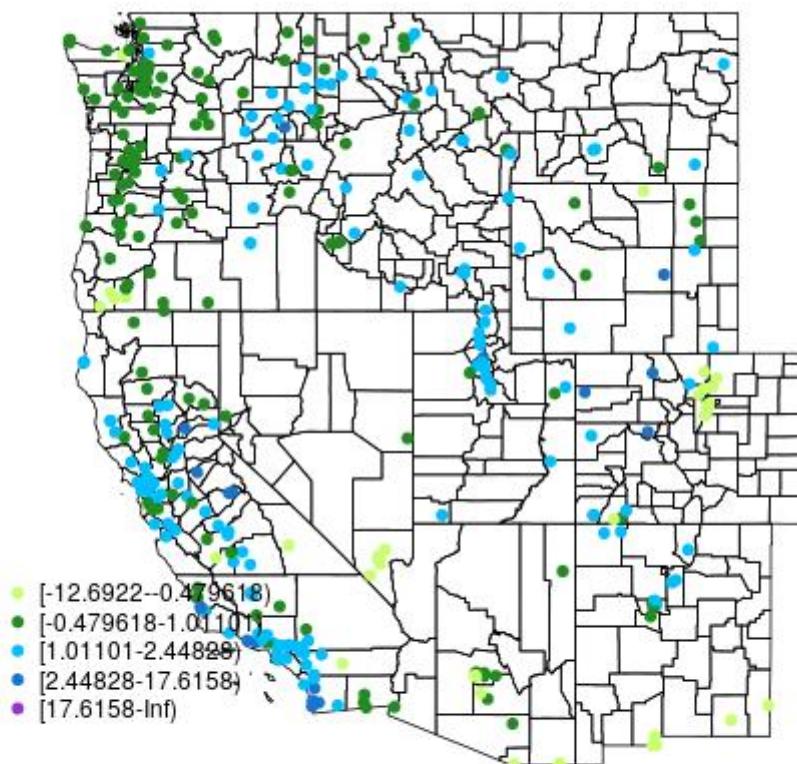


Figure 518: UGRD.10.m.above.ground Month 9

UGRD.10.m.above.ground Month 10

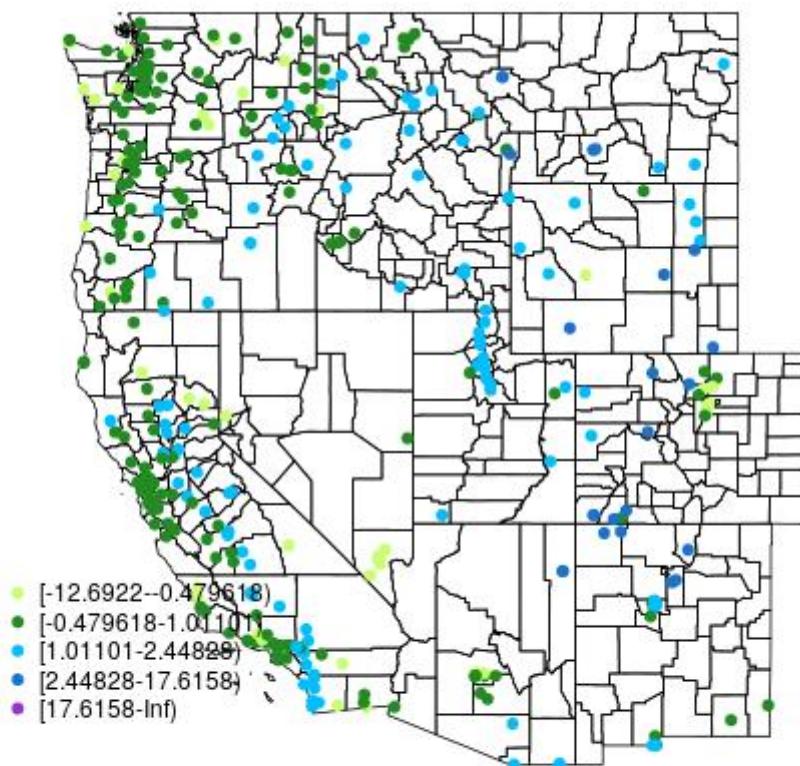


Figure 519: UGRD.10.m.above.ground Month 10

UGRD.10.m.above.ground Month 11

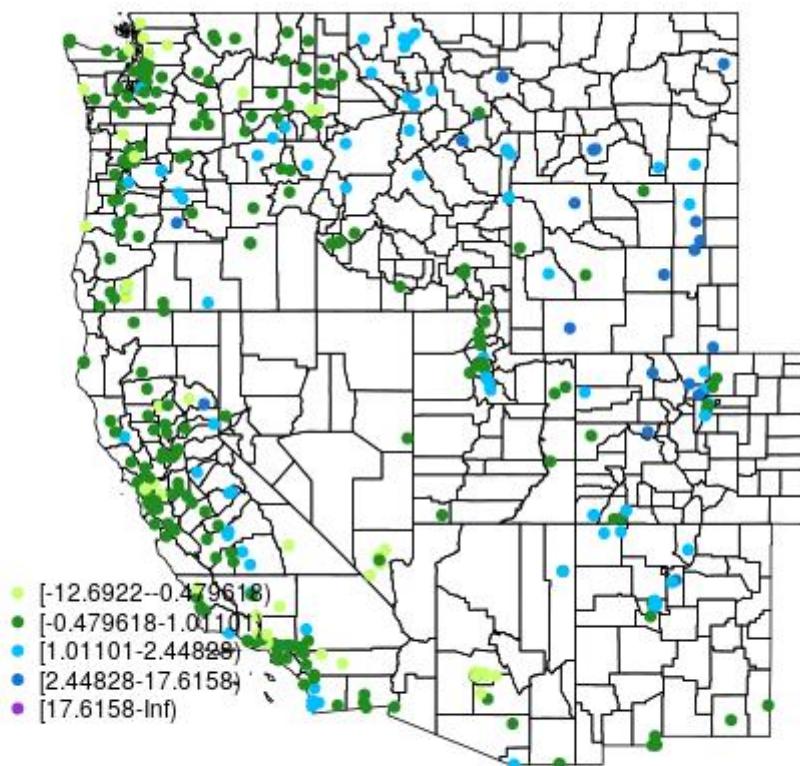


Figure 520: UGRD.10.m.above.ground Month 11

UGRD.10.m.above.ground Month 12

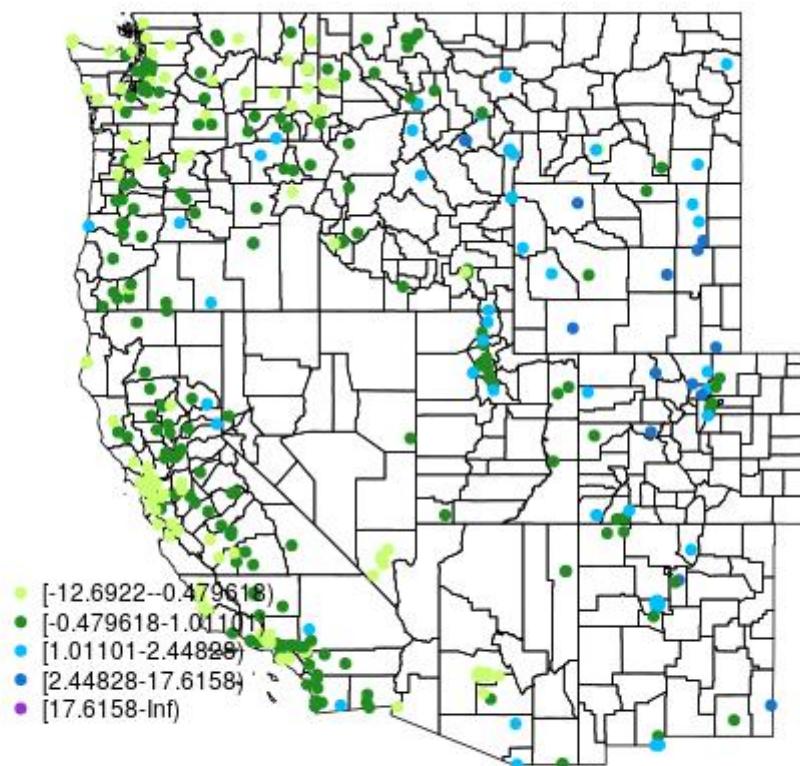


Figure 521: UGRD.10.m.above.ground Month 12

VGRD.10.m.above.ground Month 1

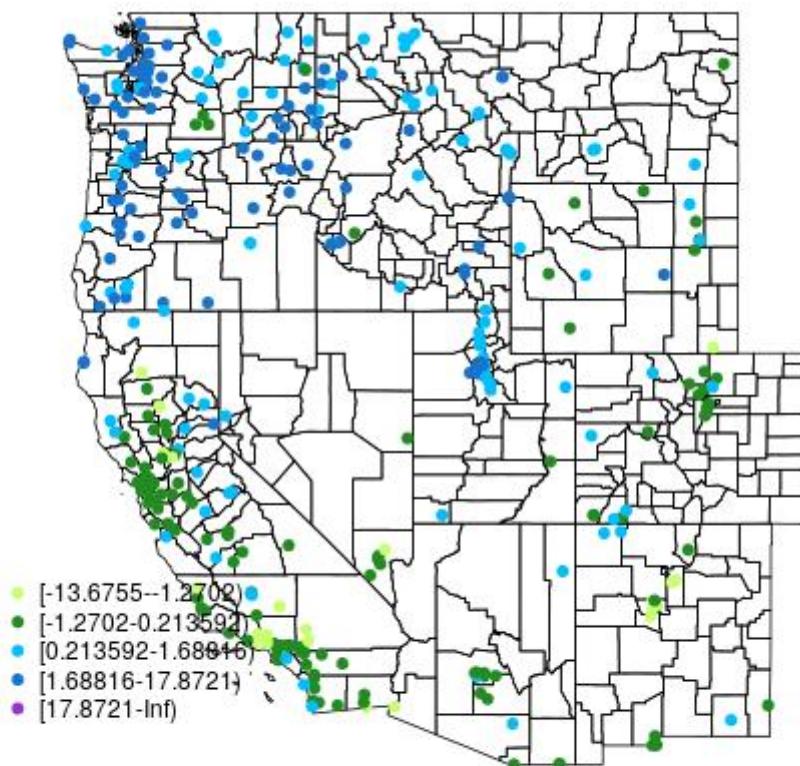


Figure 522: VGRD.10.m.above.ground Month 1

VGRD.10.m.above.ground Month 2

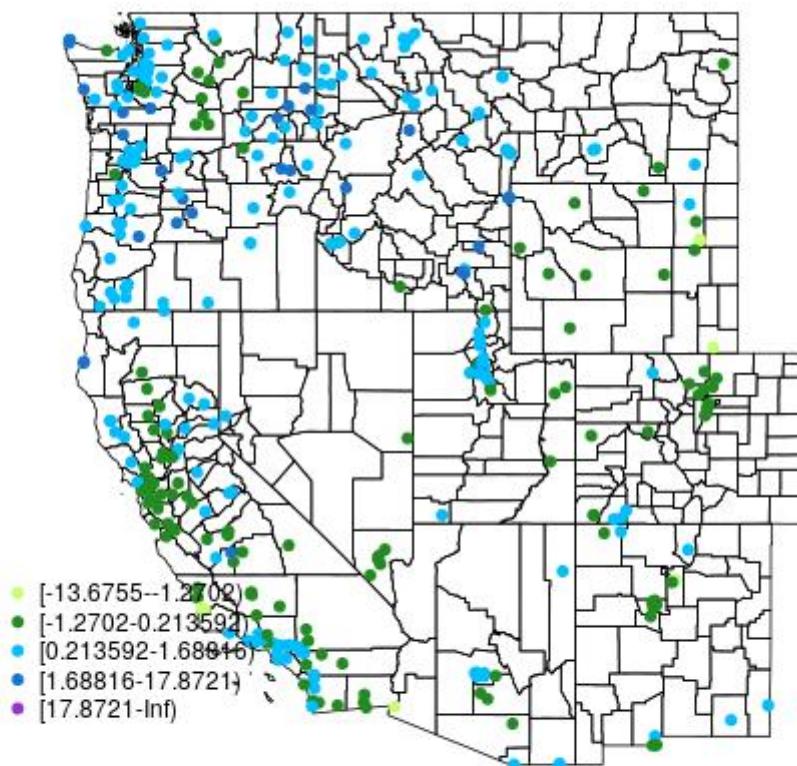


Figure 523: VGRD.10.m.above.ground Month 2

VGRD.10.m.above.ground Month 3

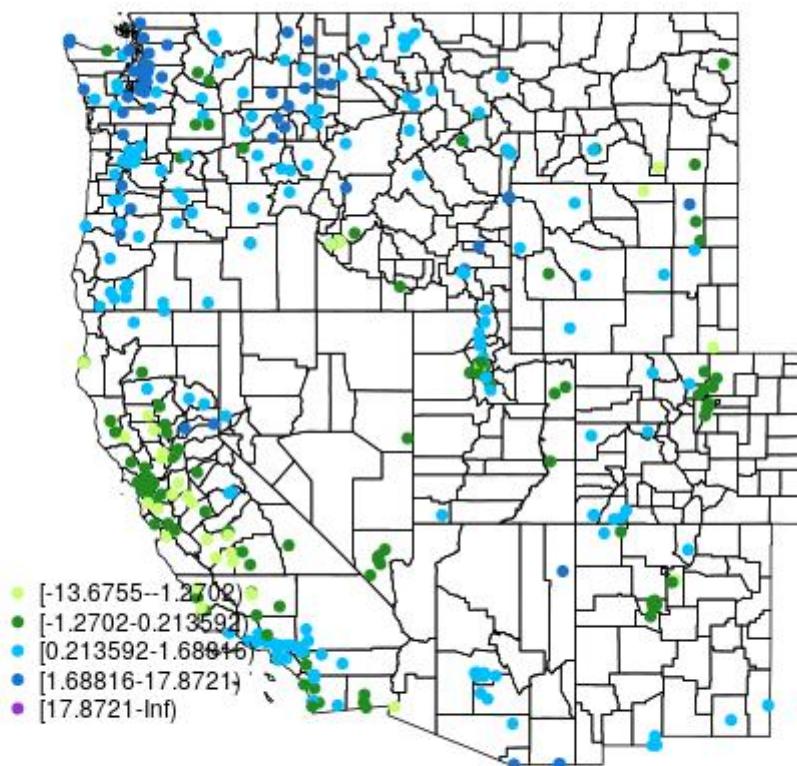


Figure 524: VGRD.10.m.above.ground Month 3

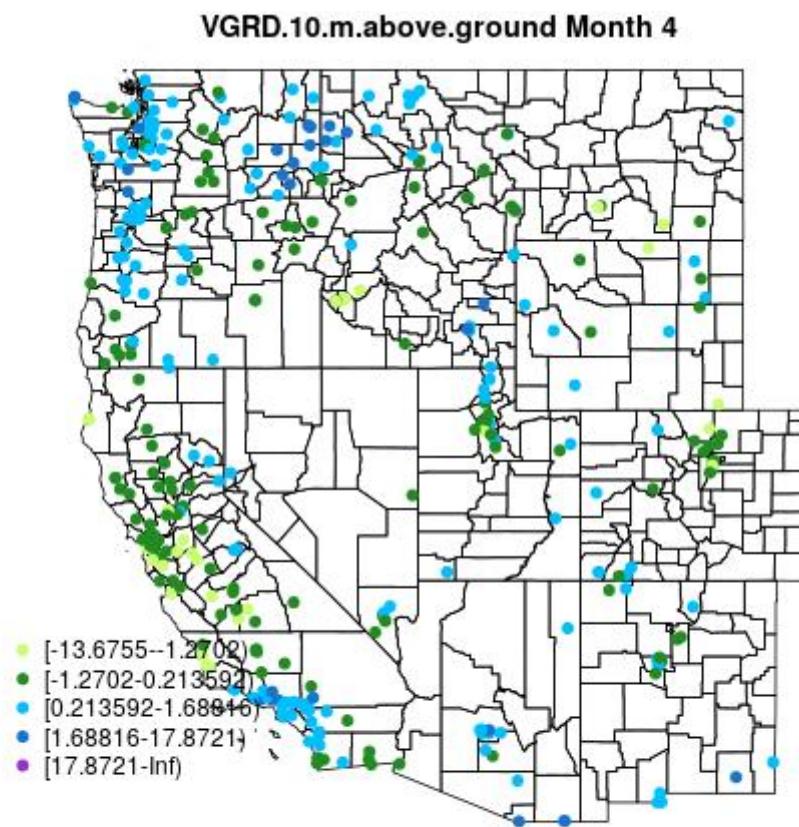


Figure 525: VGRD.10.m.above.ground Month 4

VGRD.10.m.above.ground Month 5

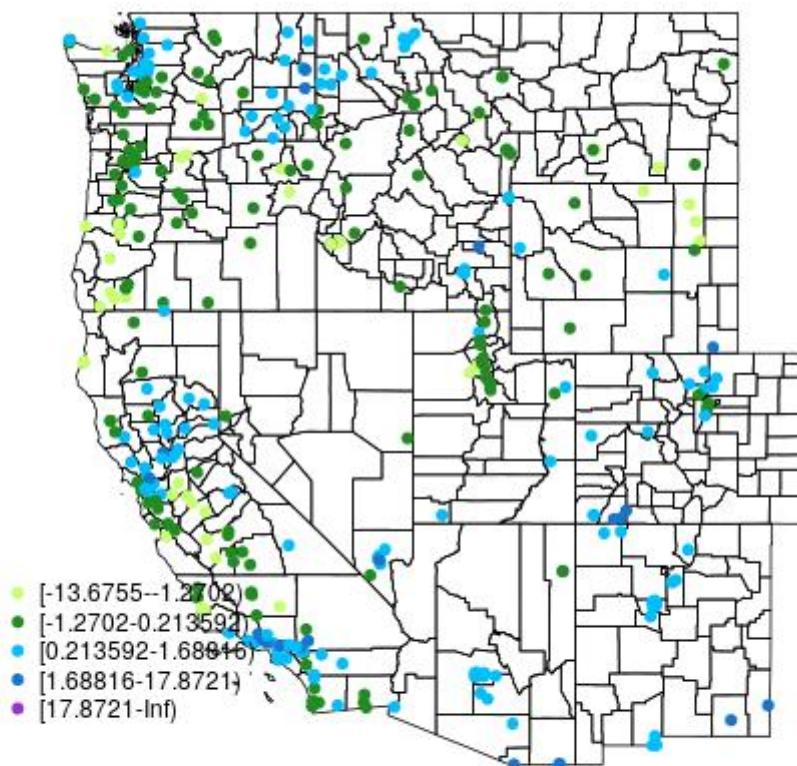


Figure 526: VGRD.10.m.above.ground Month 5

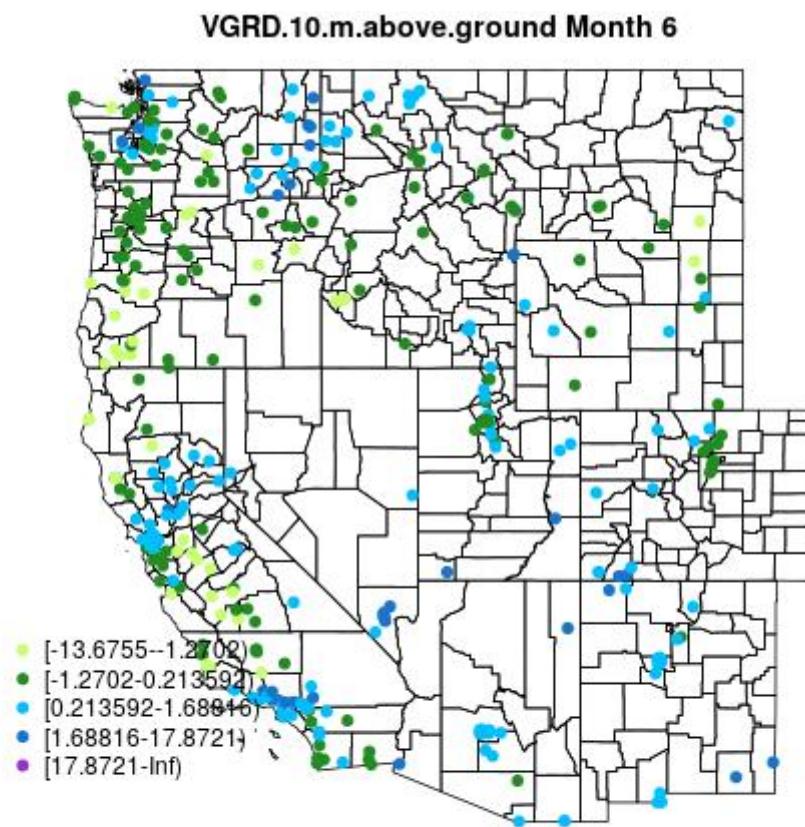


Figure 527: VGRD.10.m.above.ground Month 6

VGRD.10.m.above.ground Month 7

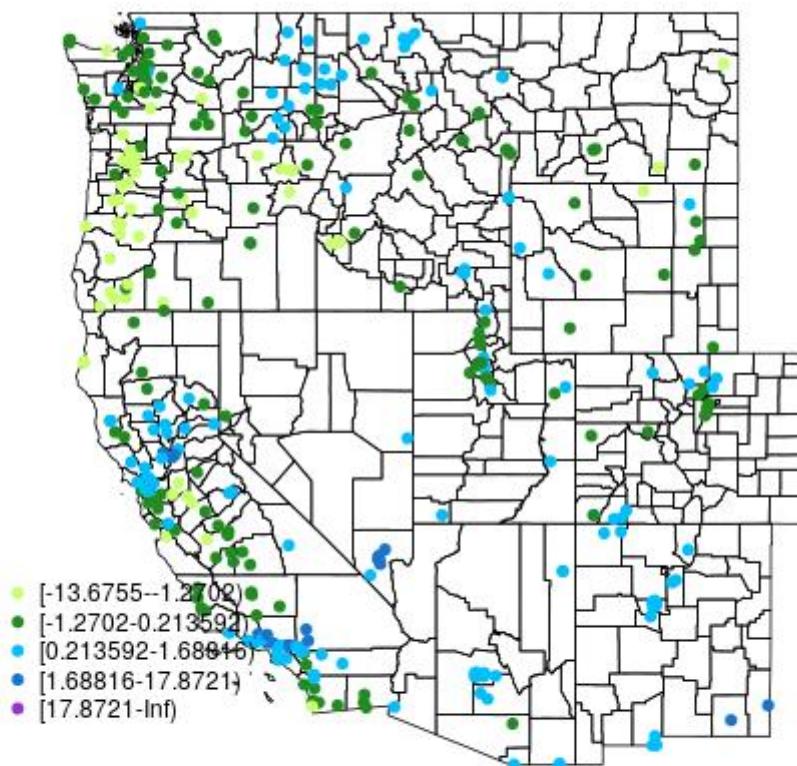


Figure 528: VGRD.10.m.above.ground Month 7

VGRD.10.m.above.ground Month 8

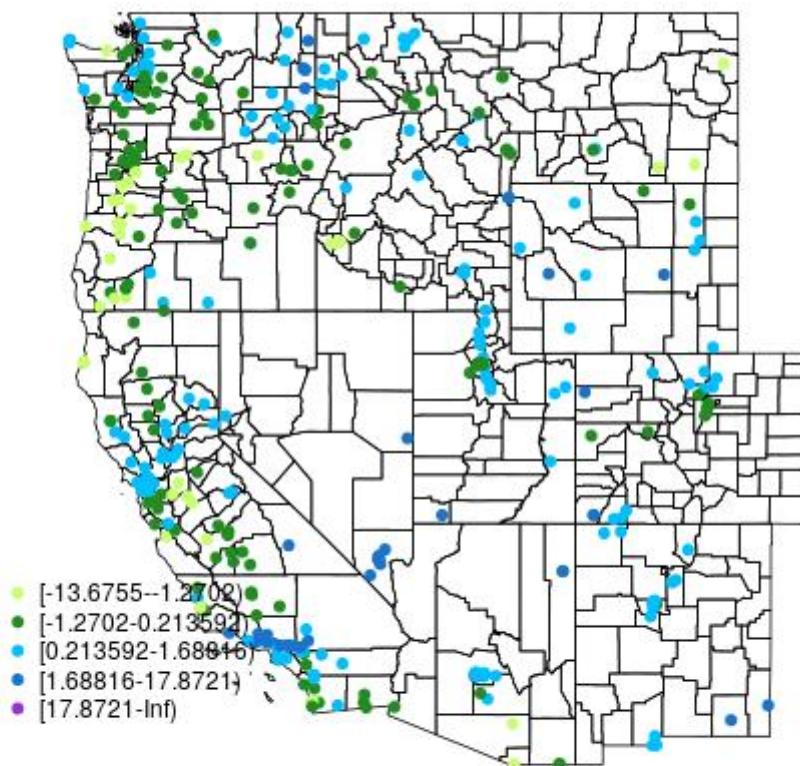


Figure 529: VGRD.10.m.above.ground Month 8

VGRD.10.m.above.ground Month 9

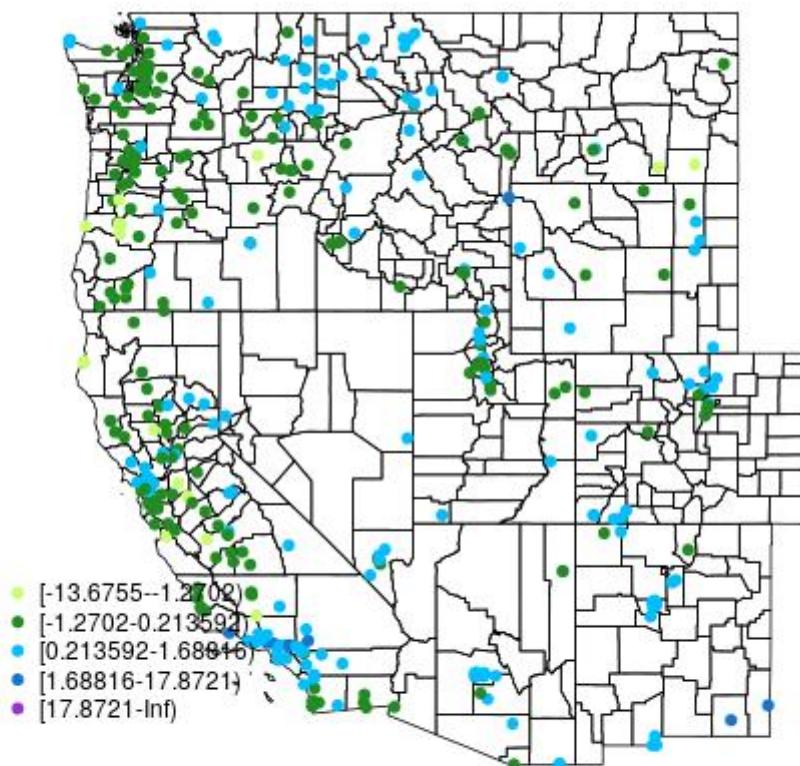


Figure 530: VGRD.10.m.above.ground Month 9

VGRD.10.m.above.ground Month 10

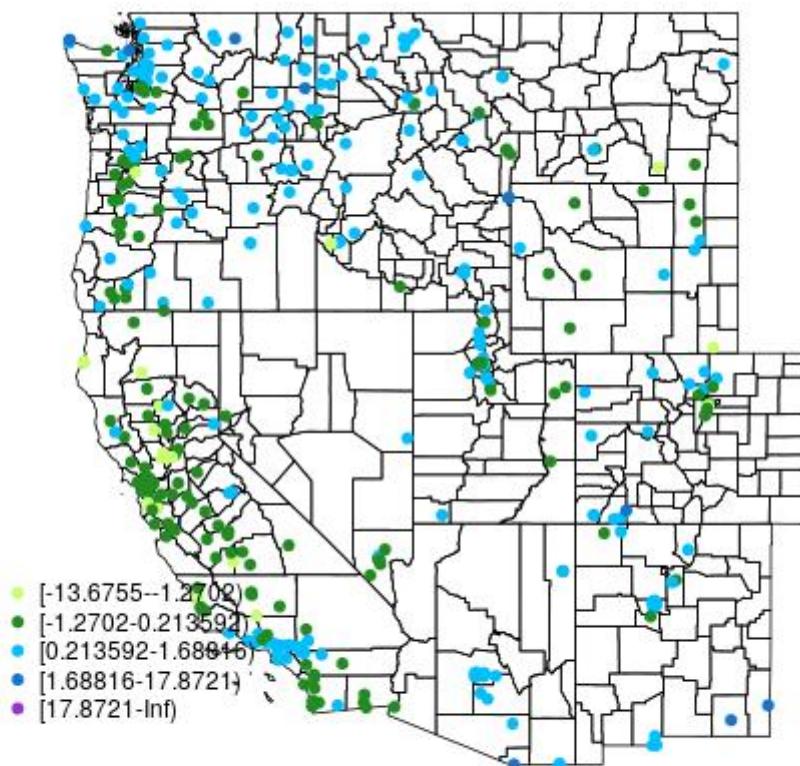


Figure 531: VGRD.10.m.above.ground Month 10

VGRD.10.m.above.ground Month 11

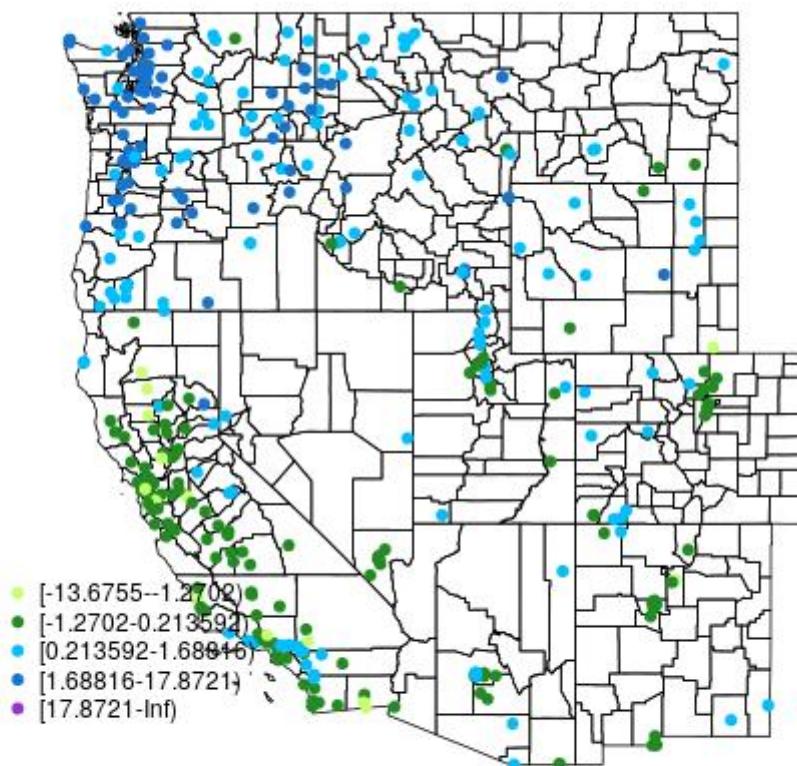


Figure 532: VGRD.10.m.above.ground Month 11

VGRD.10.m.above.ground Month 12

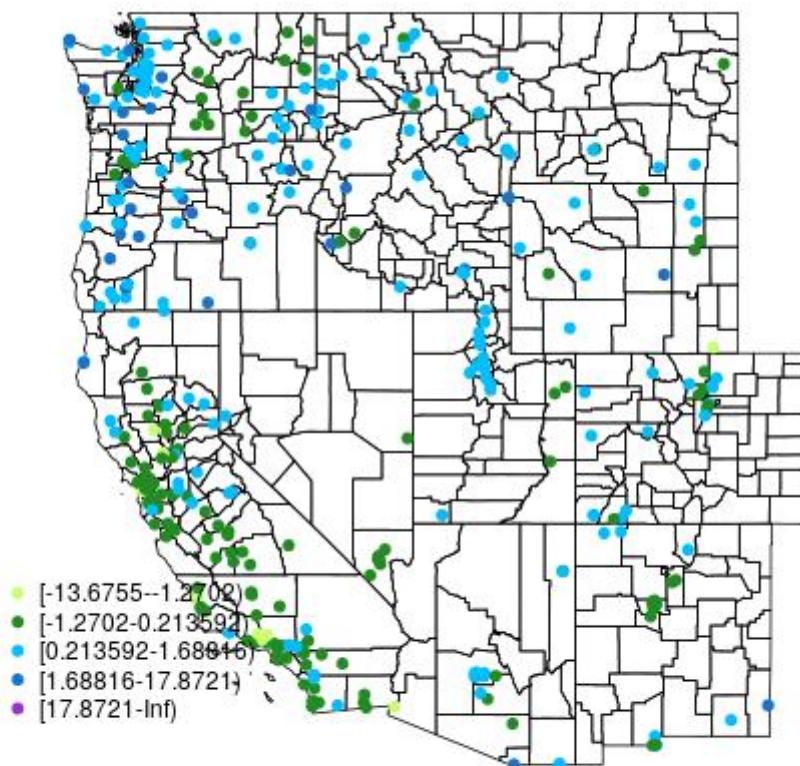


Figure 533: VGRD.10.m.above.ground Month 12

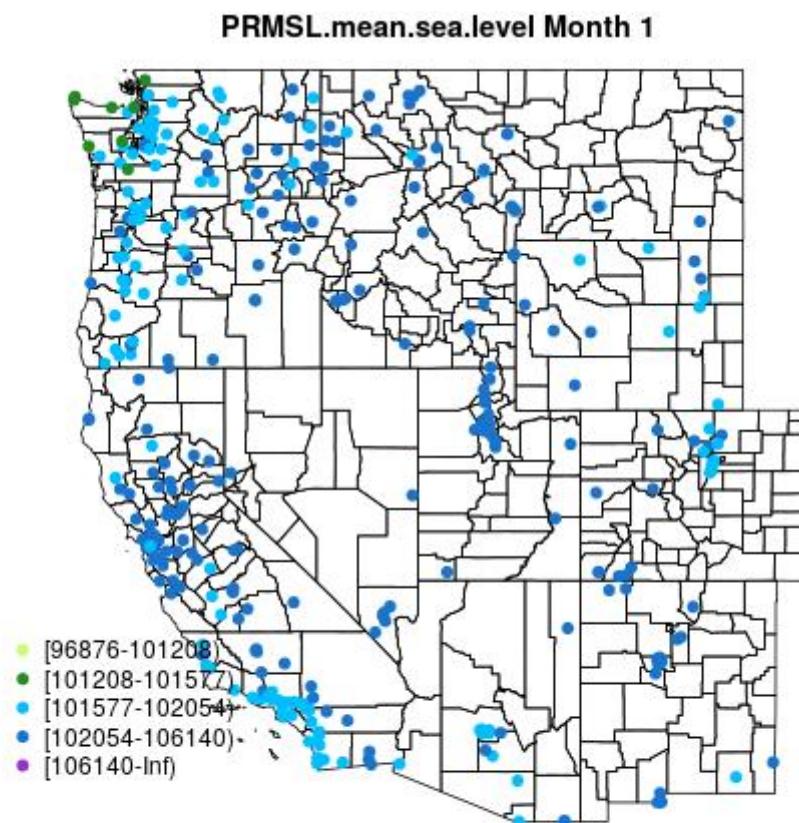


Figure 534: PRMSL.mean.sea.level Month 1

PRMSL.mean.sea.level Month 2

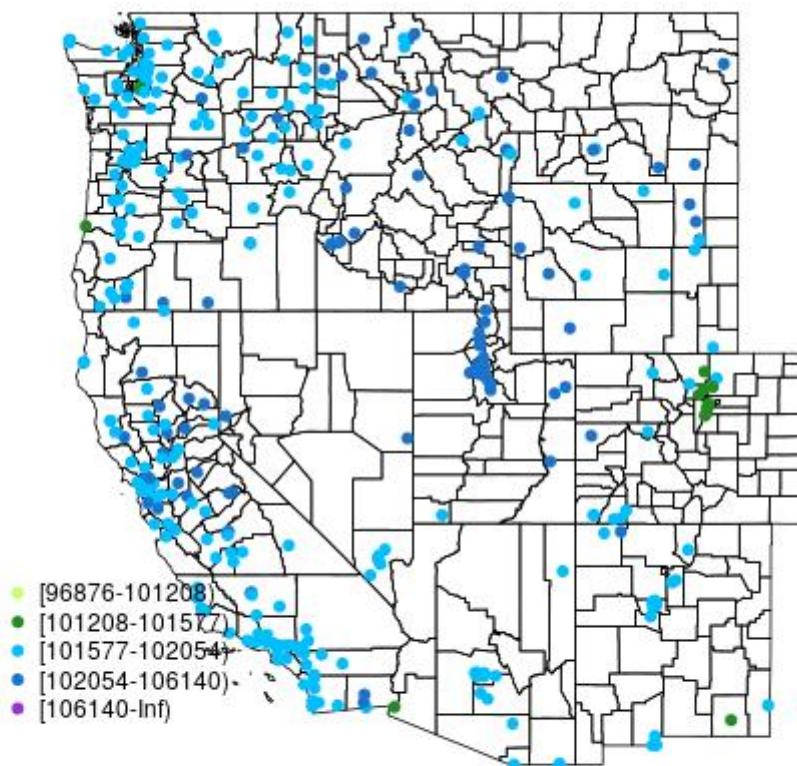


Figure 535: PRMSL.mean.sea.level Month 2

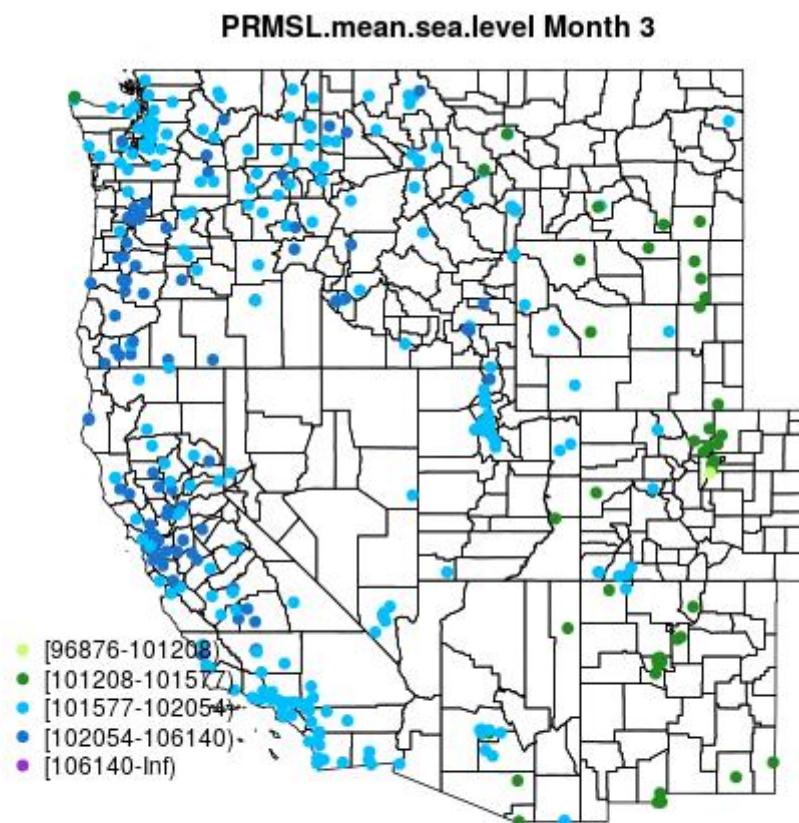


Figure 536: PRMSL.mean.sea.level Month 3

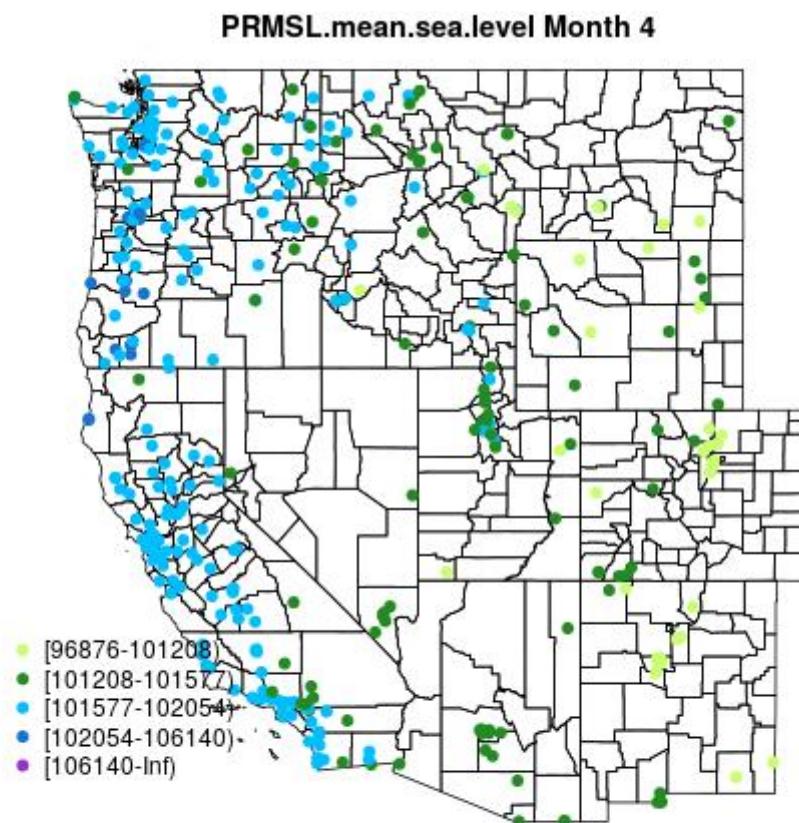


Figure 537: PRMSL.mean.sea.level Month 4

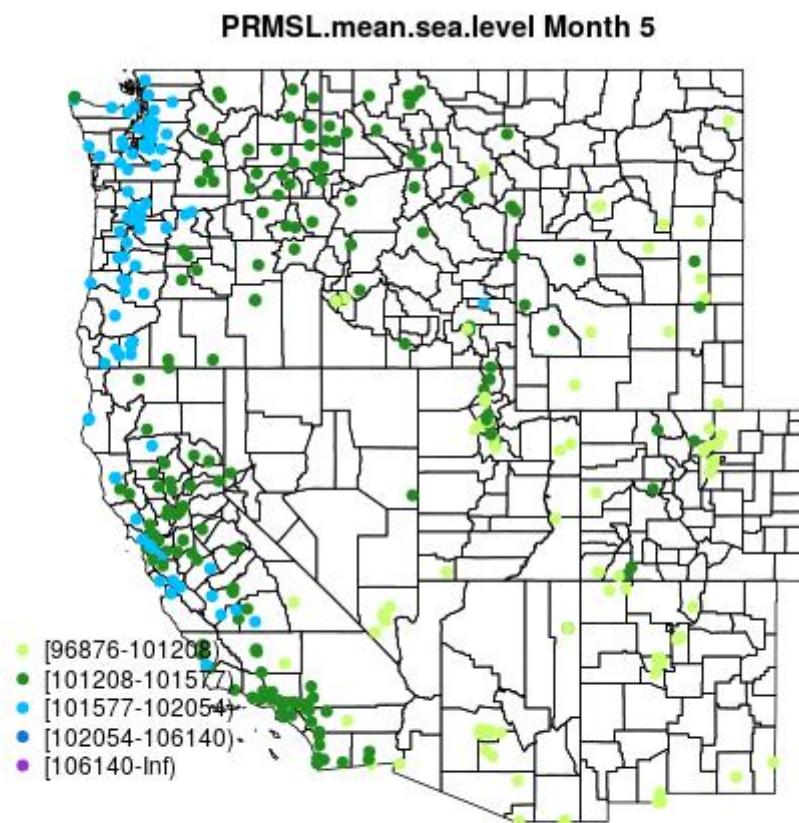


Figure 538: PRMSL.mean.sea.level Month 5

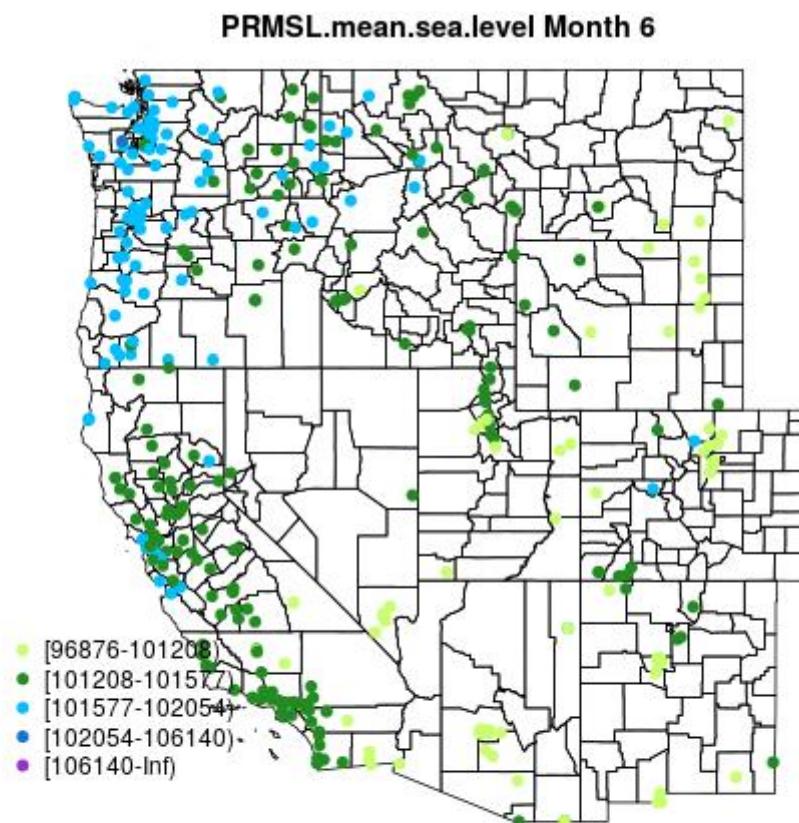


Figure 539: PRMSL.mean.sea.level Month 6

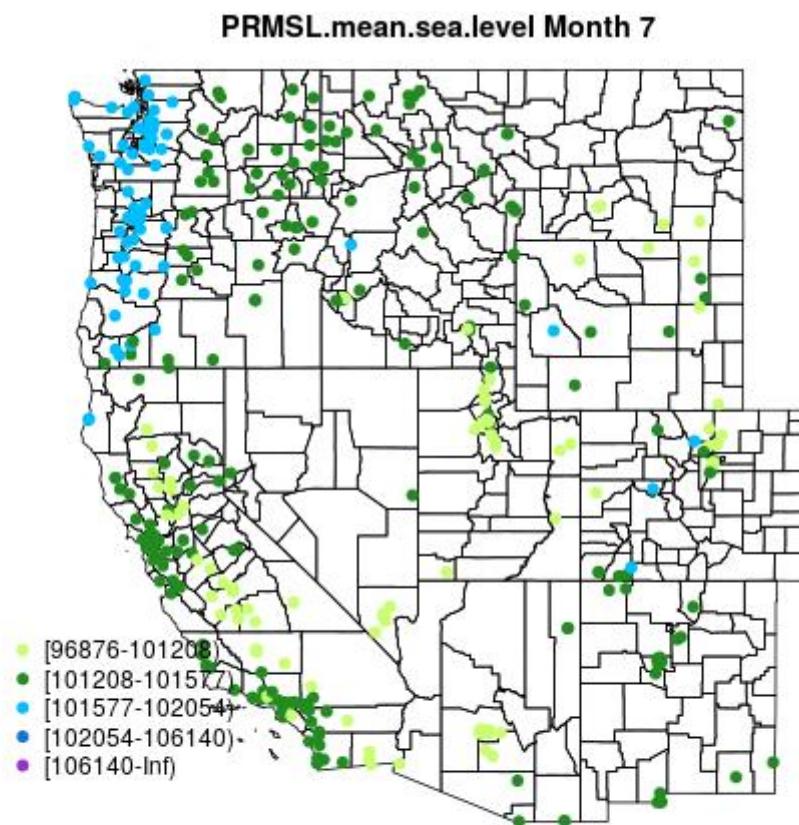


Figure 540: PRMSL.mean.sea.level Month 7

PRMSL.mean.sea.level Month 8

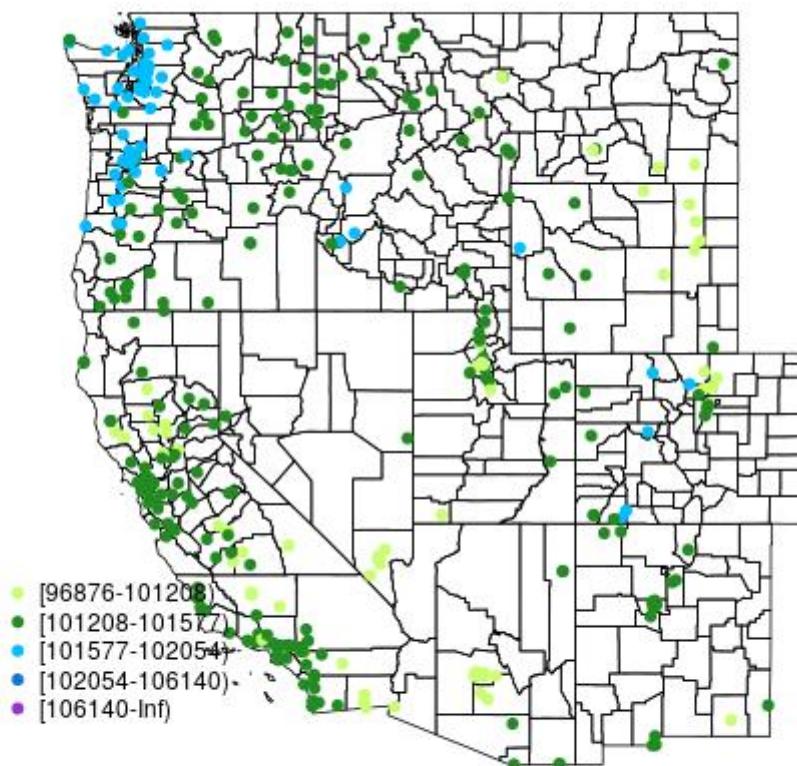


Figure 541: PRMSL.mean.sea.level Month 8

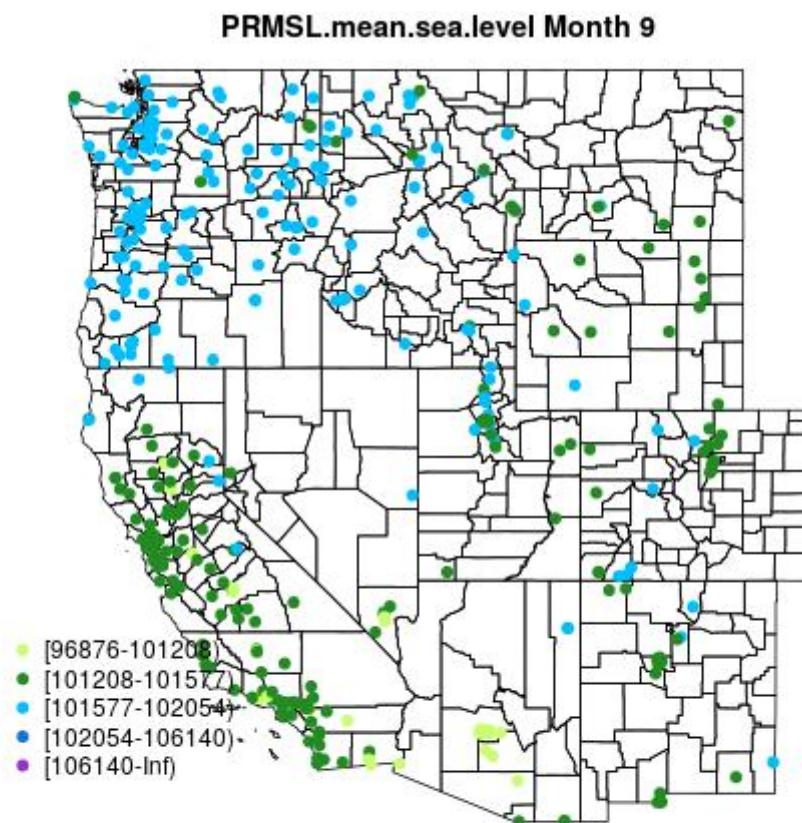


Figure 542: PRMSL.mean.sea.level Month 9

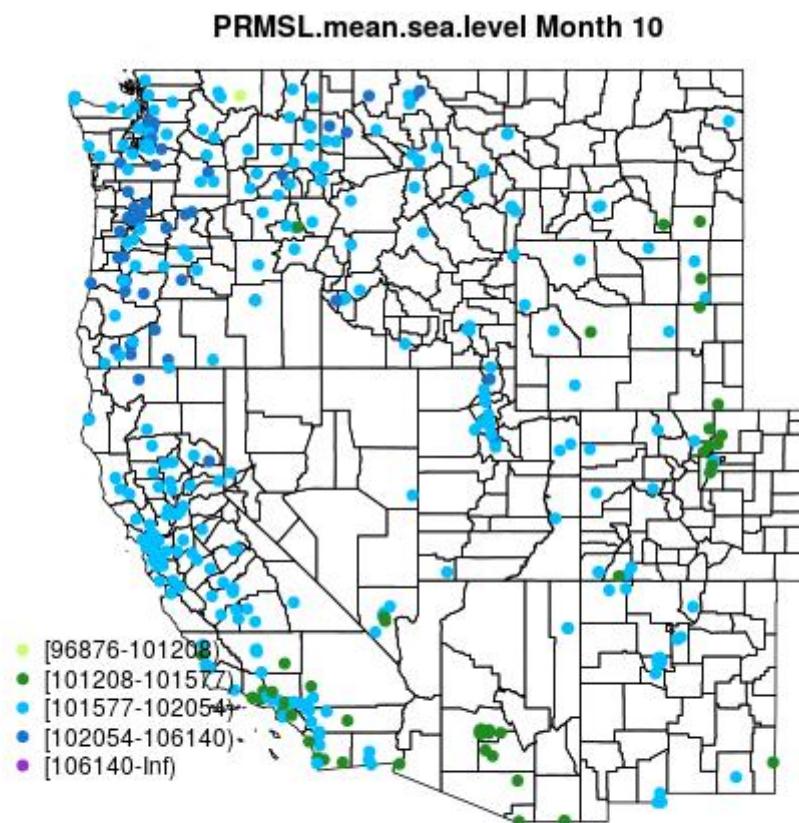


Figure 543: PRMSL.mean.sea.level Month 10

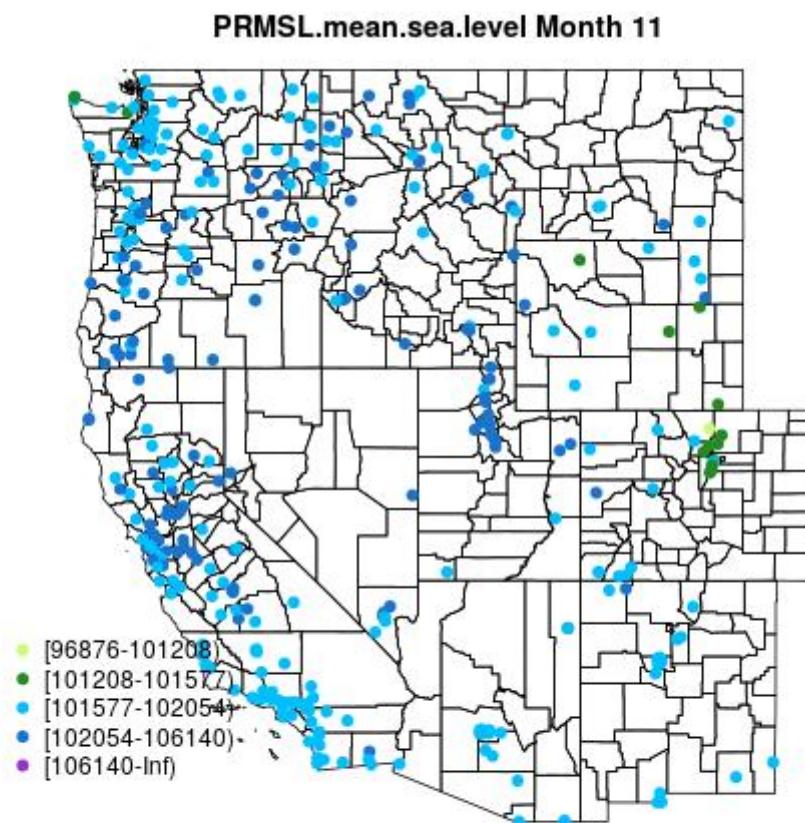


Figure 544: PRMSL.mean.sea.level Month 11

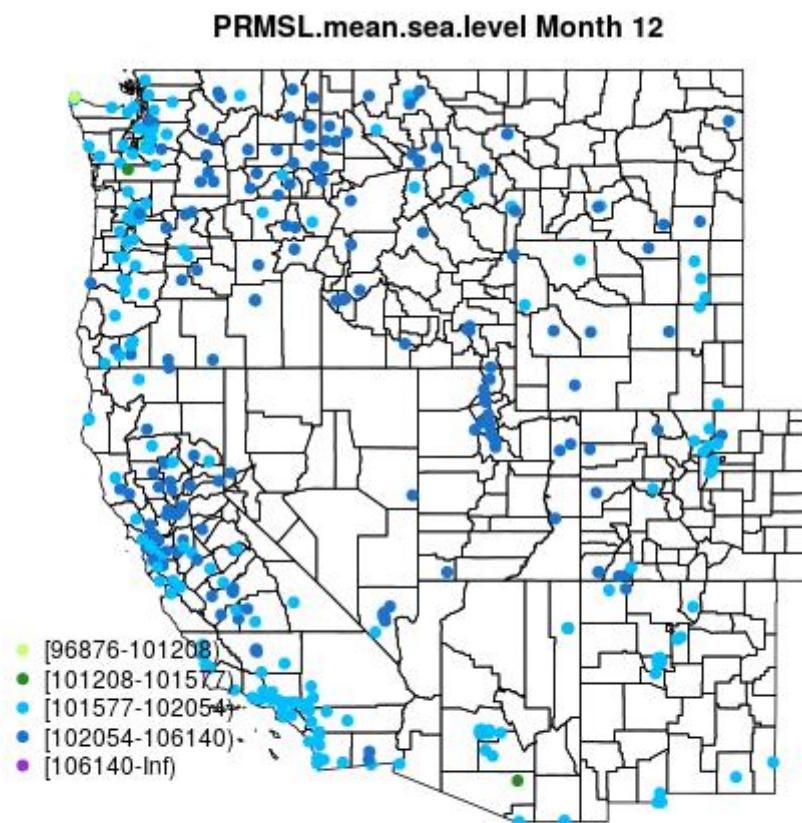


Figure 545: PRMSL.mean.sea.level Month 12

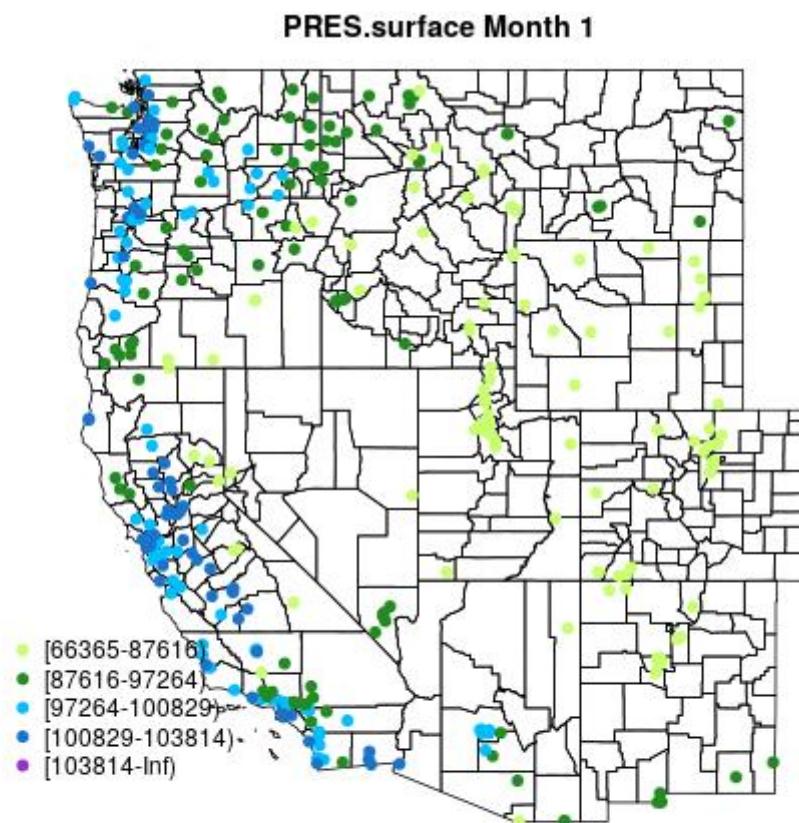


Figure 546: PRES.surface Month 1

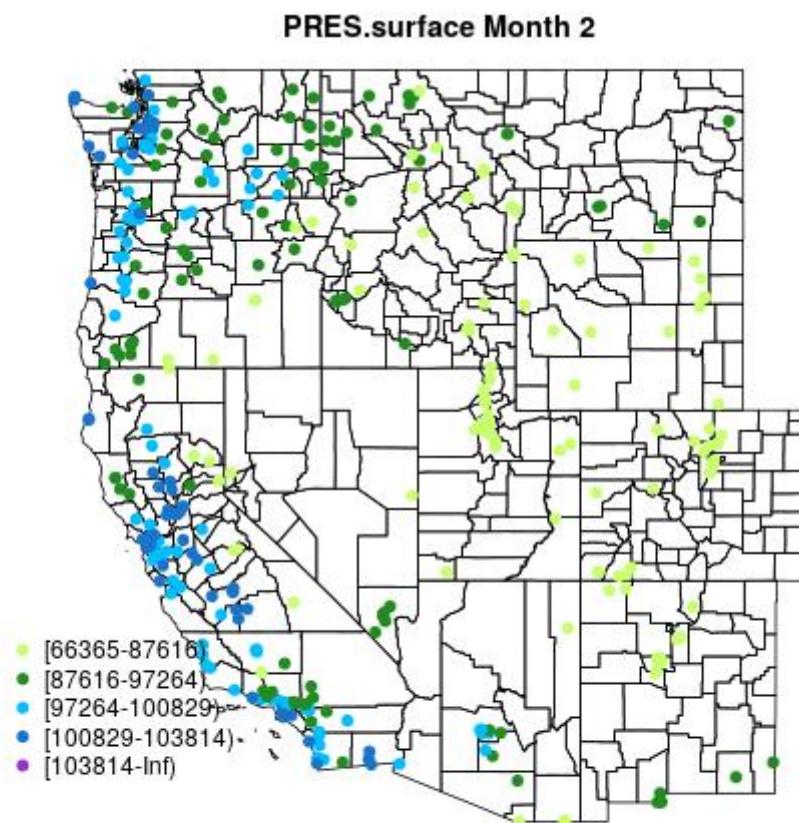


Figure 547: PRES.surface Month 2

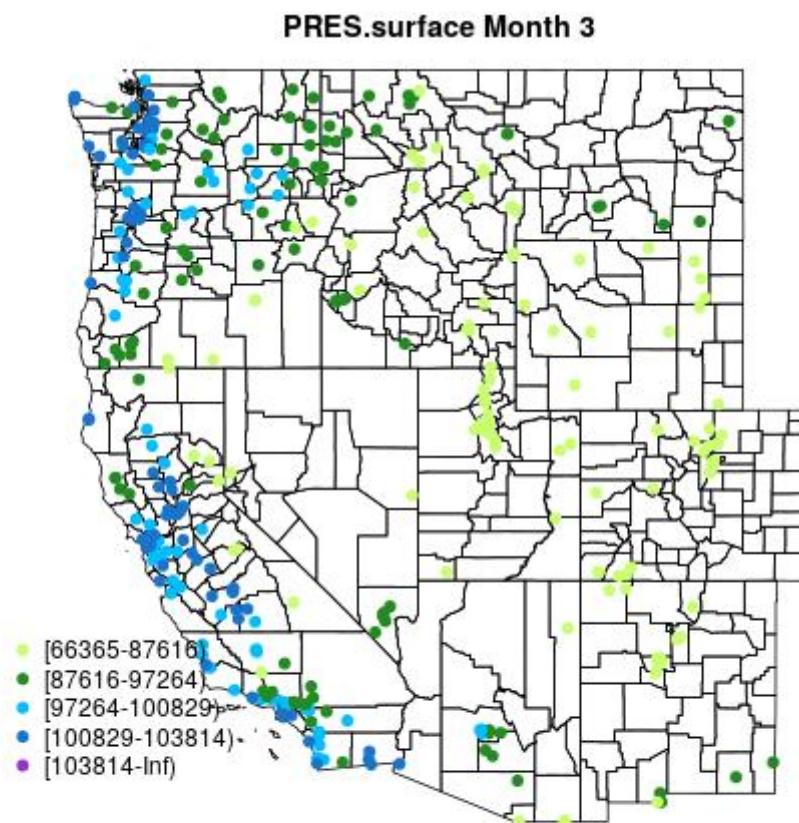


Figure 548: PRES.surface Month 3

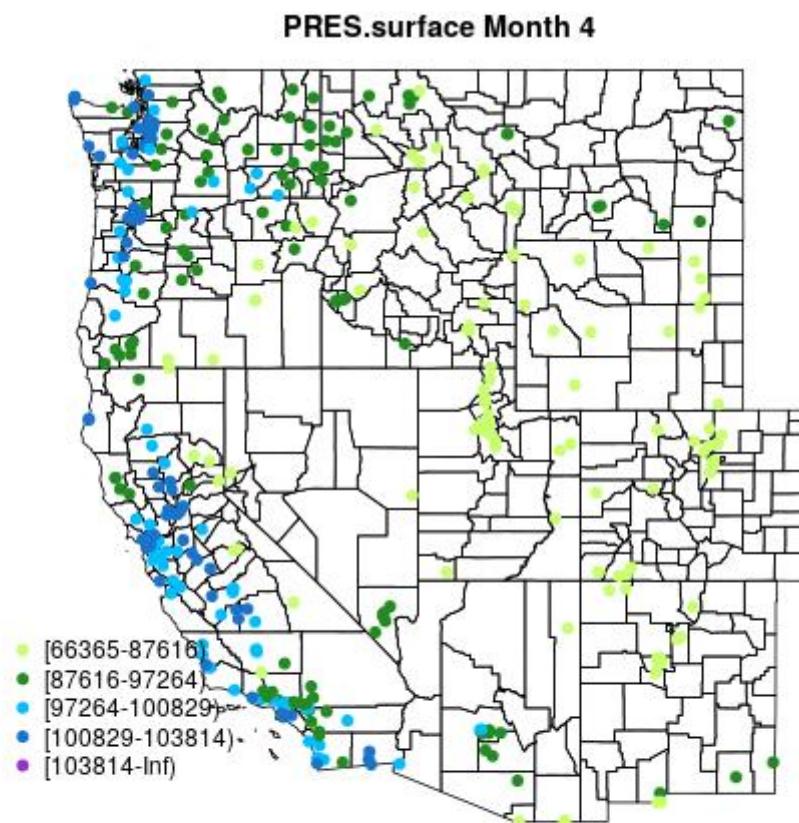


Figure 549: PRES.surface Month 4

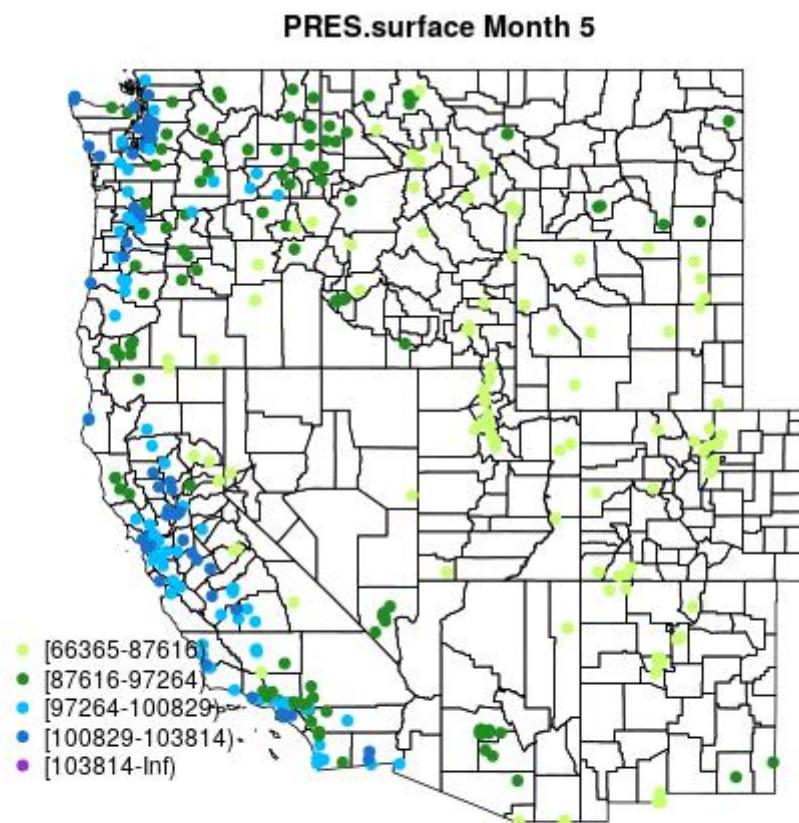


Figure 550: PRES.surface Month 5

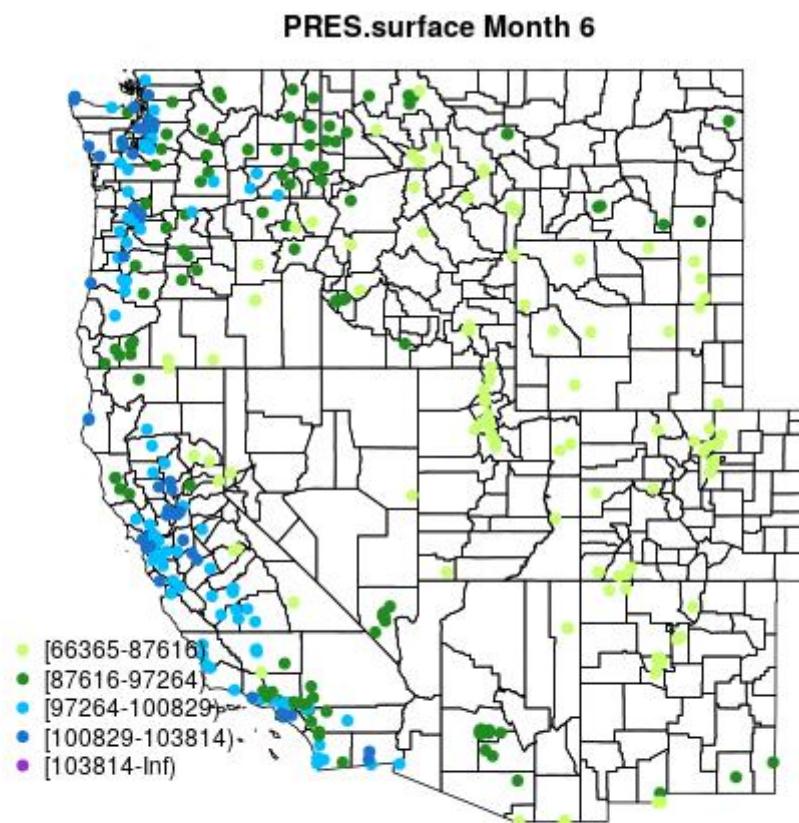


Figure 551: PRES.surface Month 6

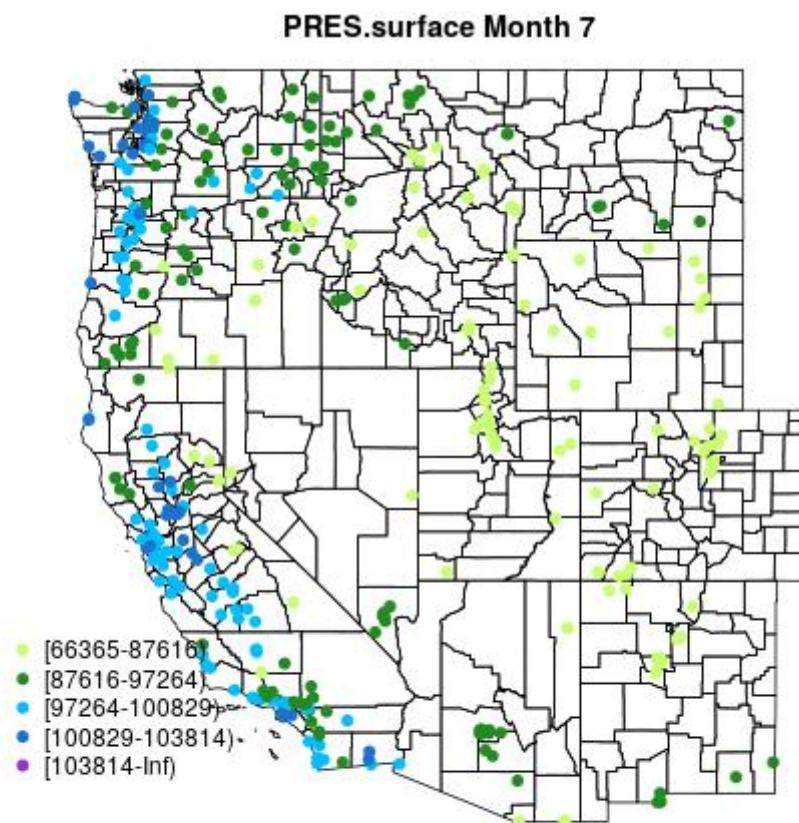


Figure 552: PRES.surface Month 7

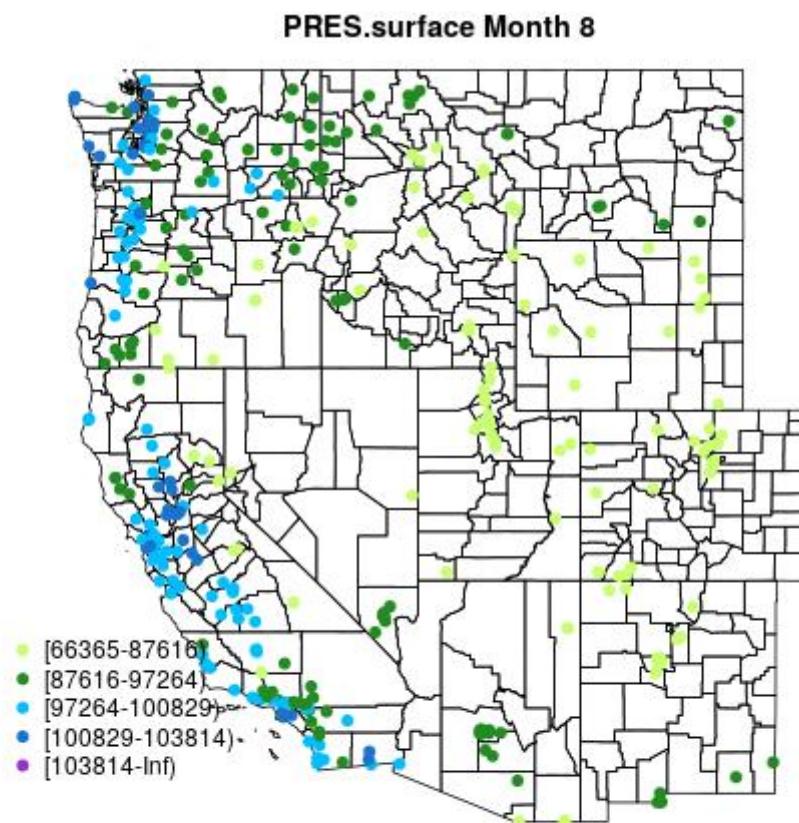


Figure 553: PRES.surface Month 8

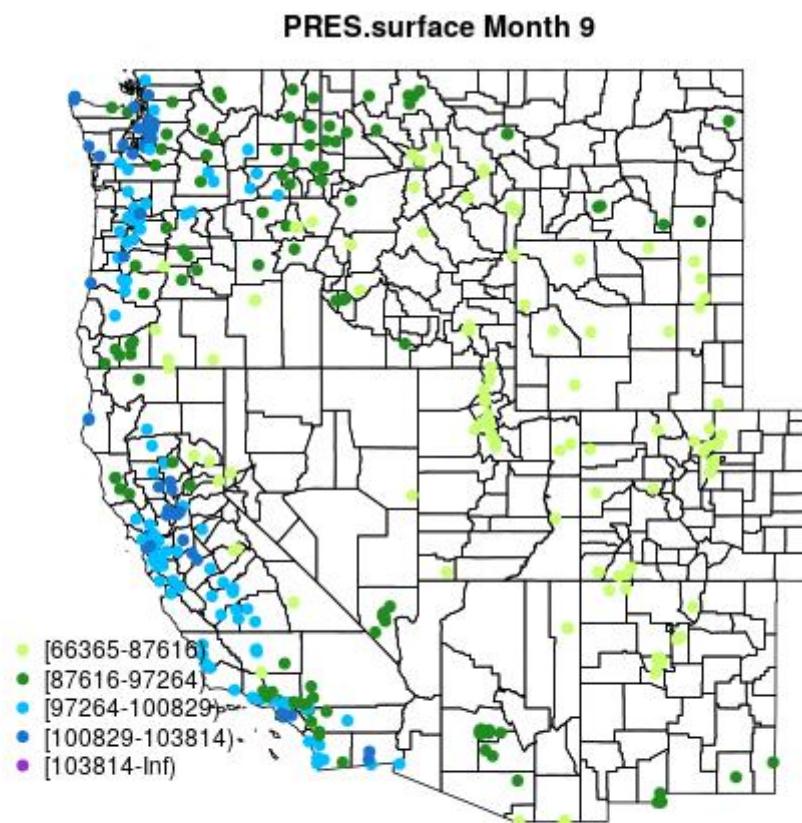


Figure 554: PRES.surface Month 9

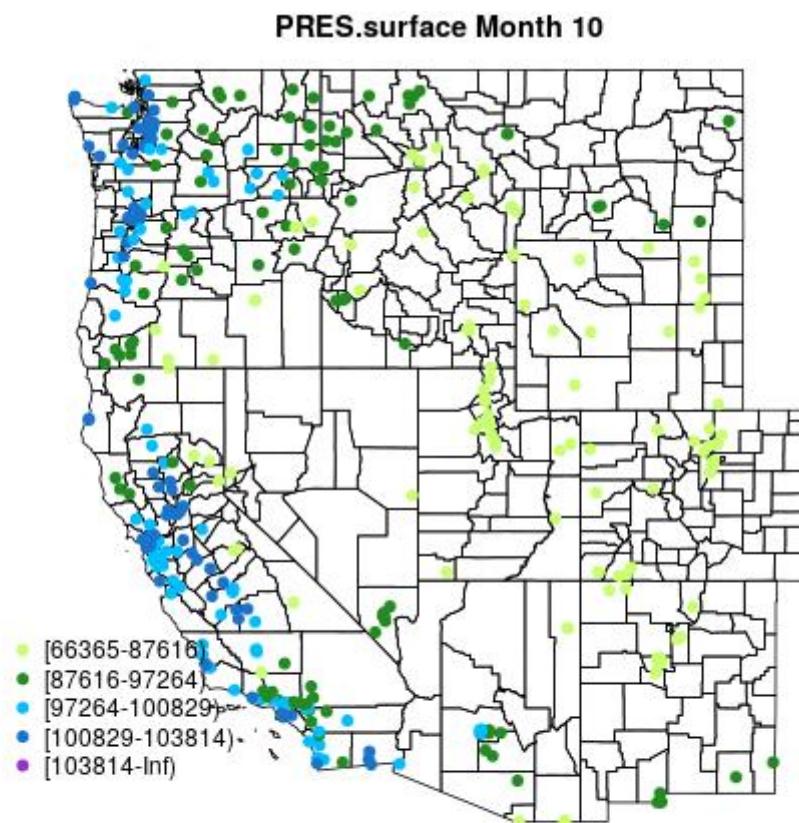


Figure 555: PRES.surface Month 10

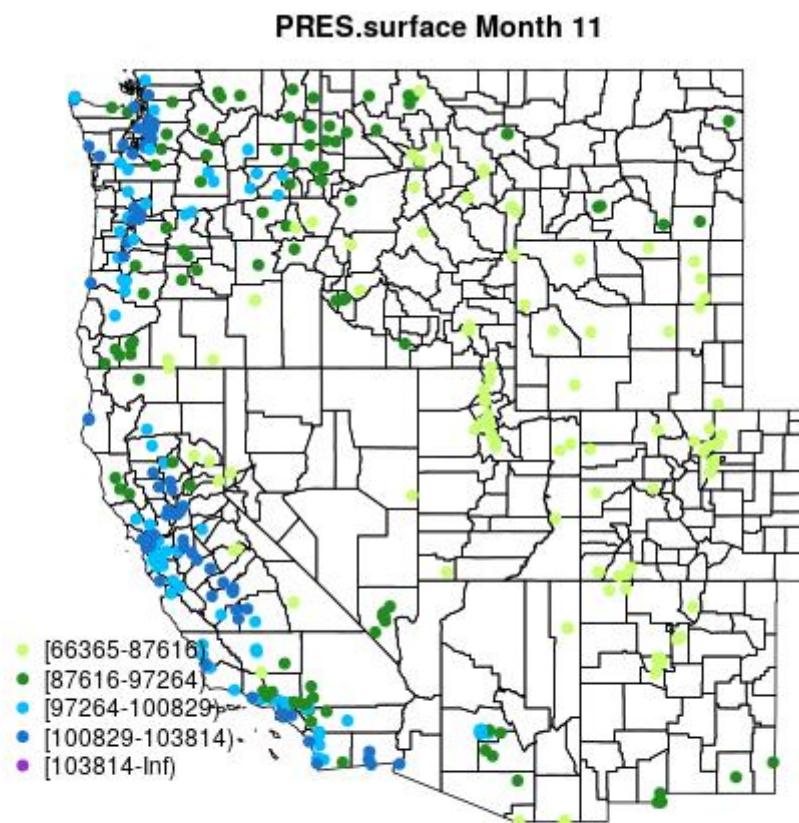


Figure 556: PRES.surface Month 11

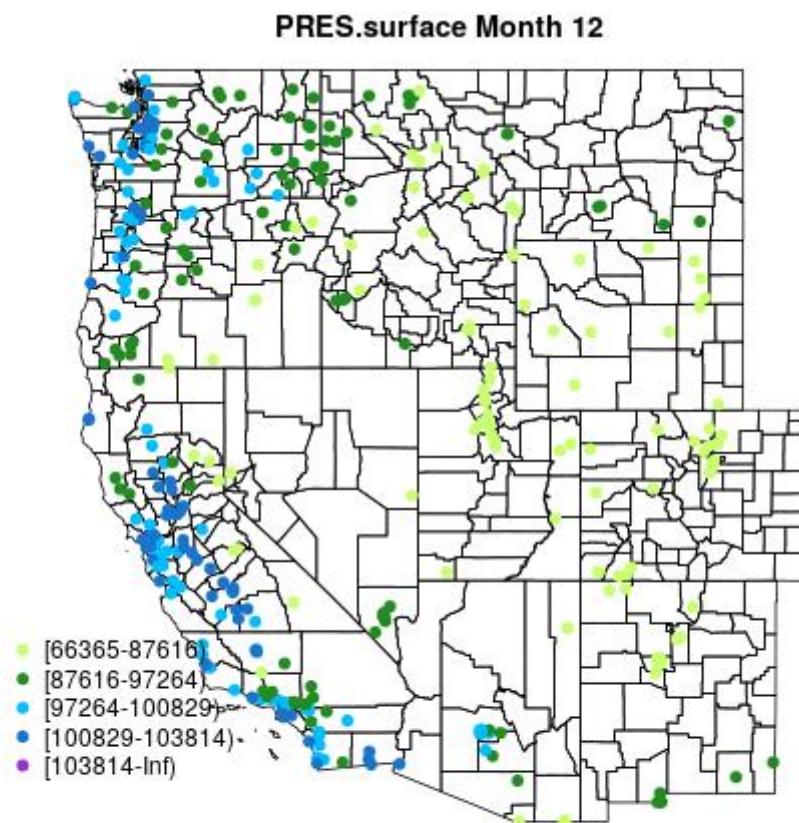


Figure 557: PRES.surface Month 12

DZDT.850(mb) Month 1

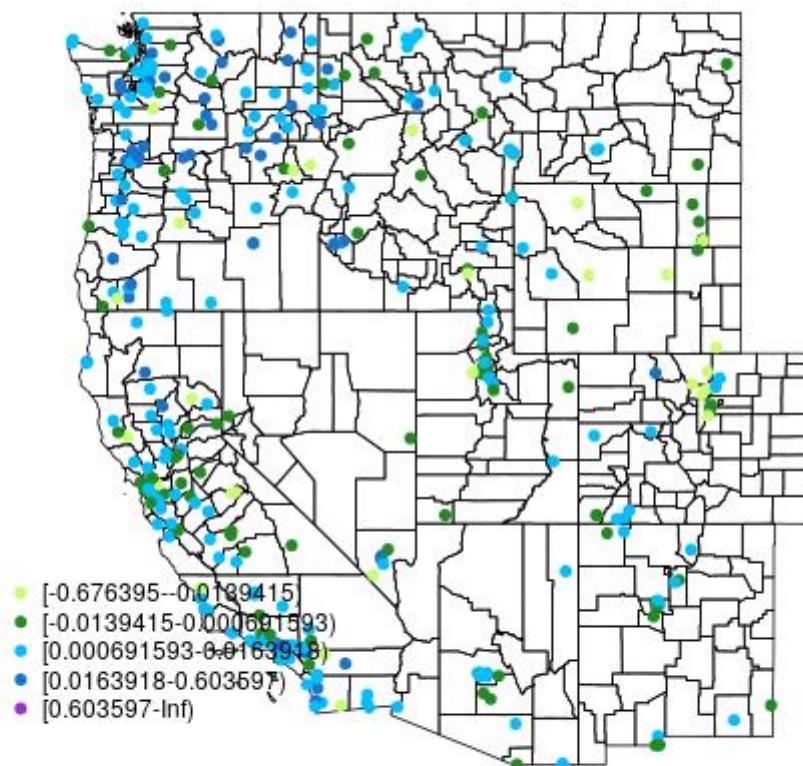


Figure 558: DZDT.850(mb) Month 1

DZDT.850(mb) Month 2

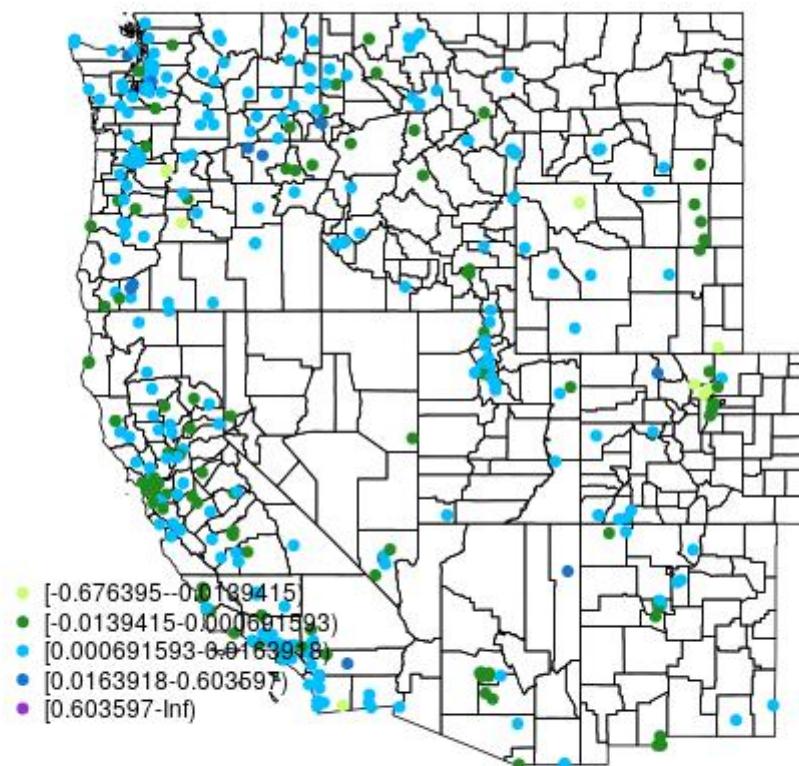


Figure 559: DZDT.850(mb) Month 2

DZDT.850.mb Month 3

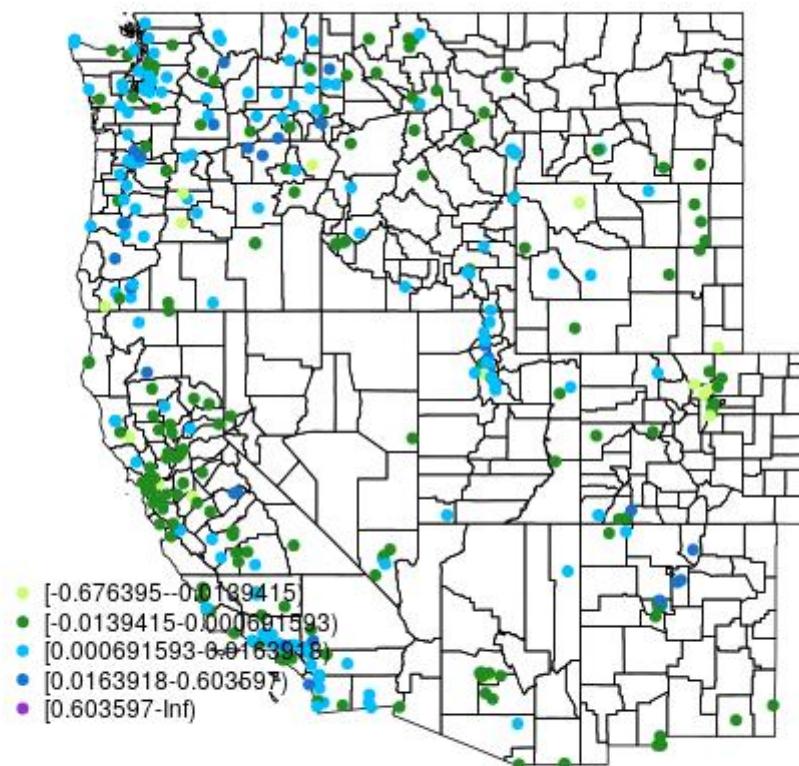


Figure 560: DZDT.850.mb Month 3

DZDT.850.mb Month 4

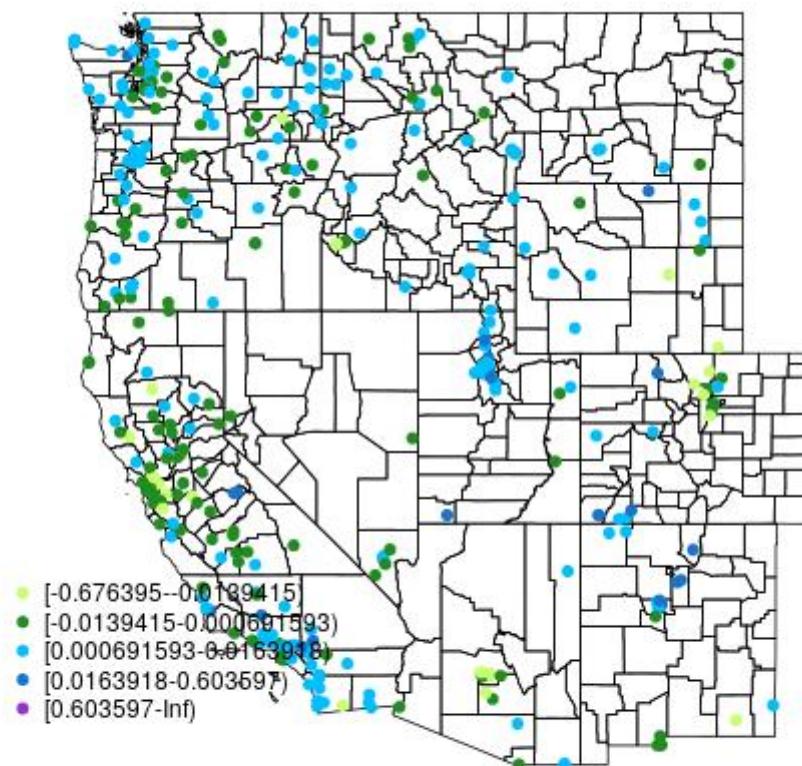


Figure 561: DZDT.850.mb Month 4

DZDT.850(mb) Month 5

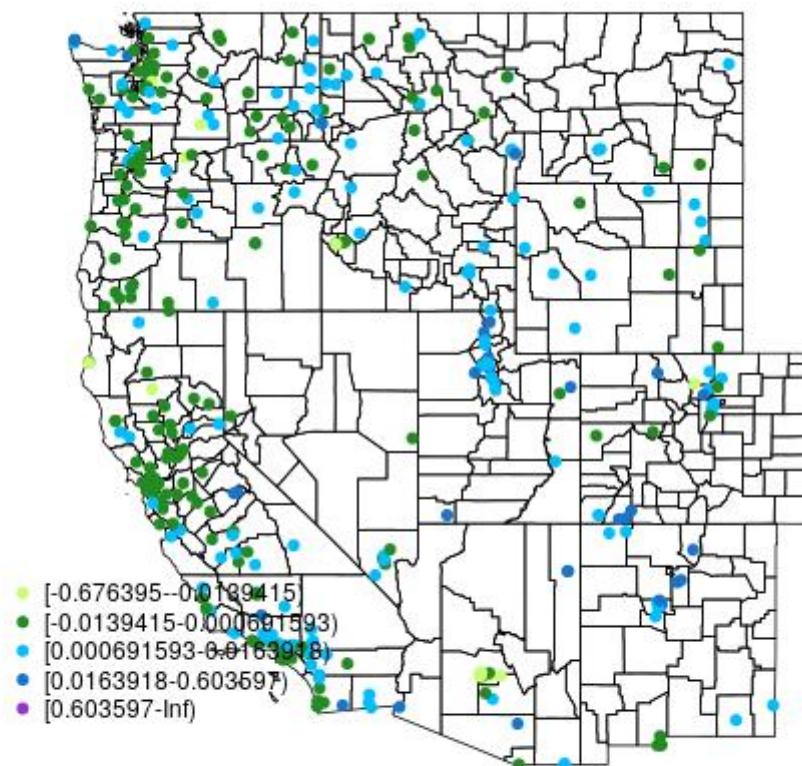


Figure 562: DZDT.850(mb) Month 5

DZDT.850.mb Month 6

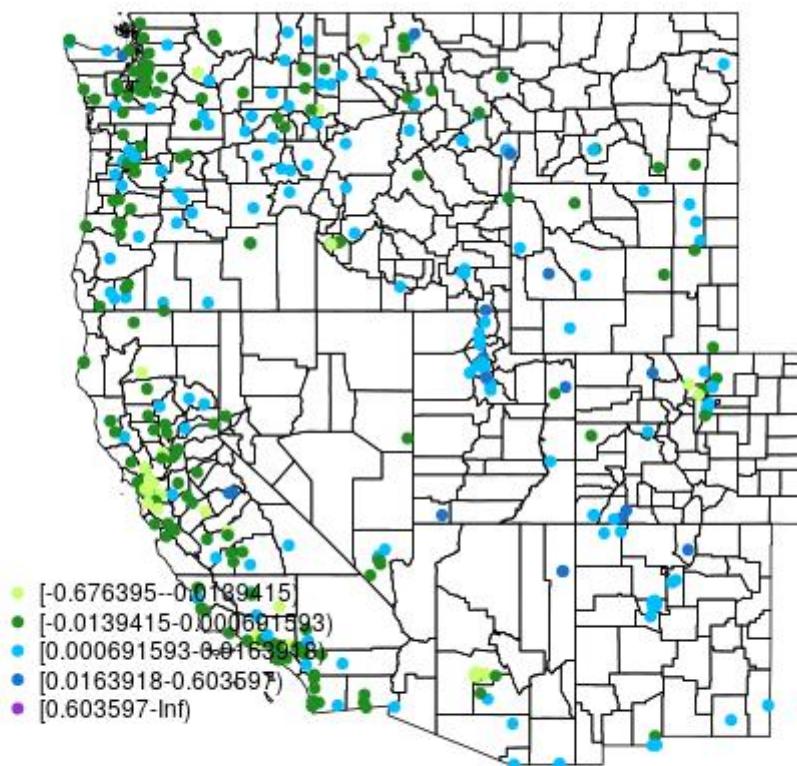


Figure 563: DZDT.850.mb Month 6

DZDT.850.mb Month 7

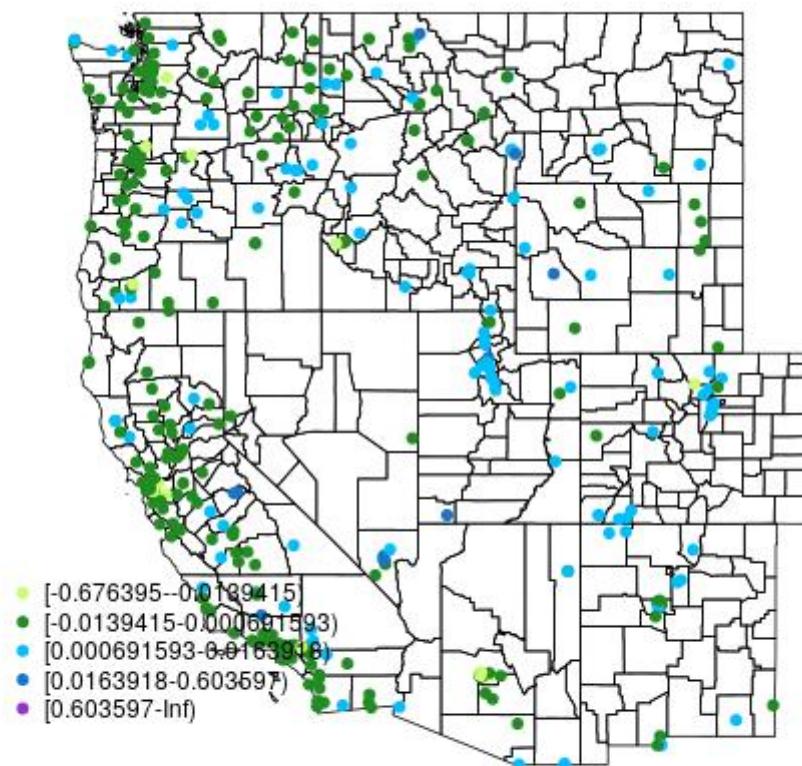


Figure 564: DZDT.850.mb Month 7

DZDT.850.mb Month 8

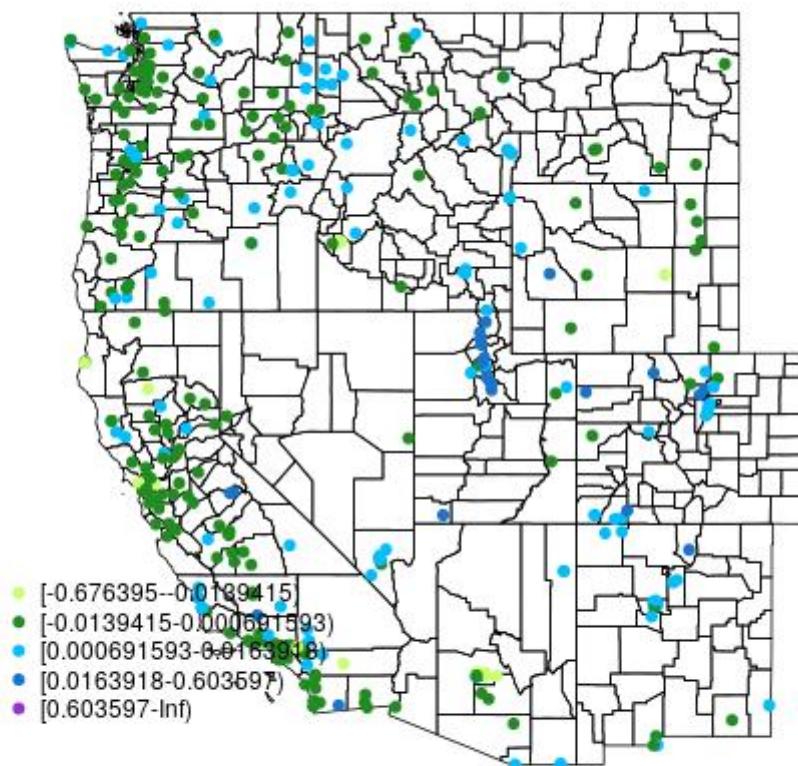


Figure 565: DZDT.850.mb Month 8

DZDT.850(mb) Month 9

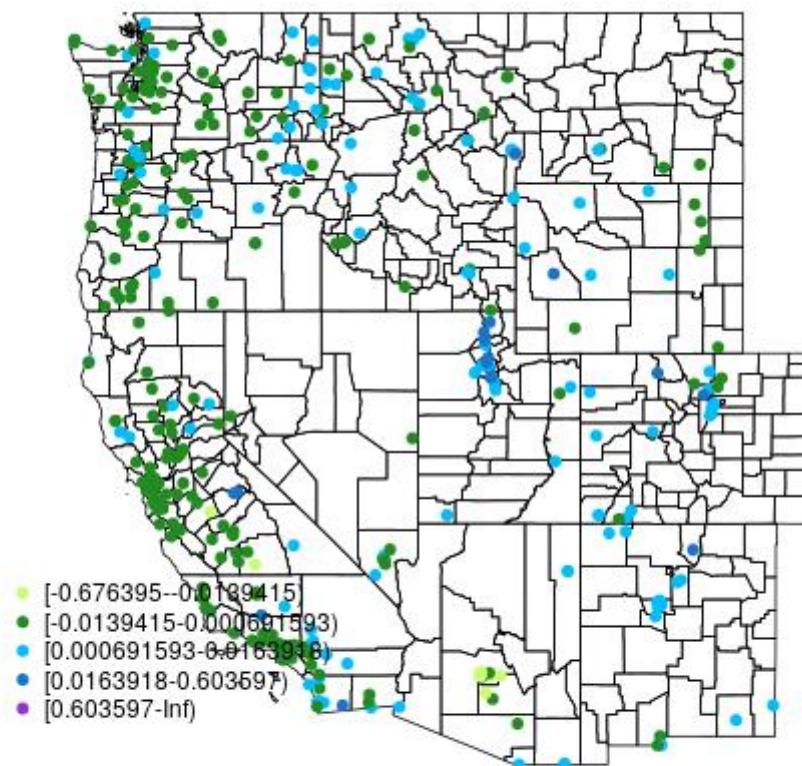


Figure 566: DZDT.850(mb) Month 9

DZDT.850(mb Month 10)

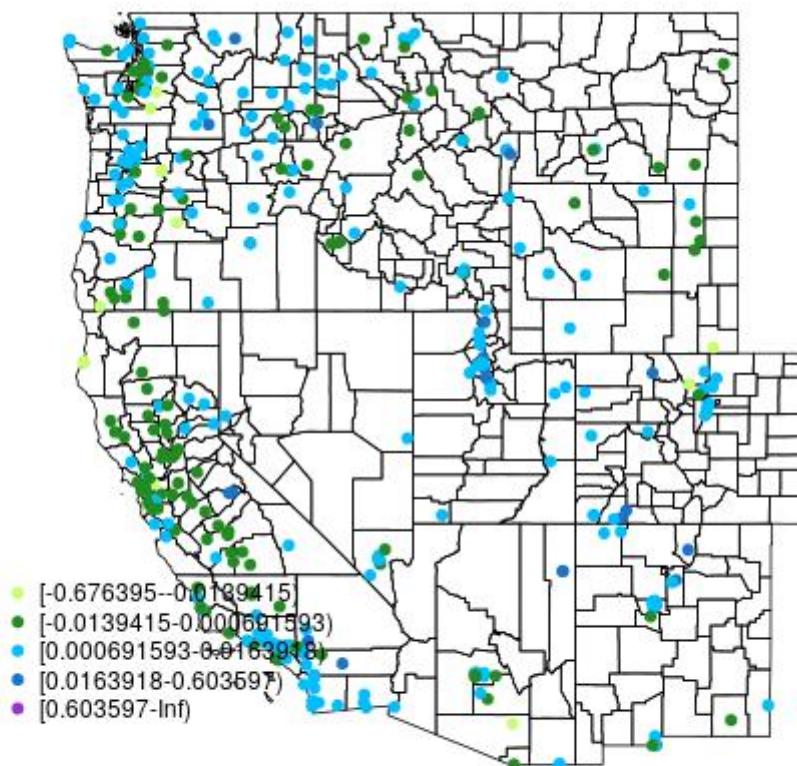


Figure 567: DZDT.850(mb Month 10)

DZDT.850(mb) Month 11

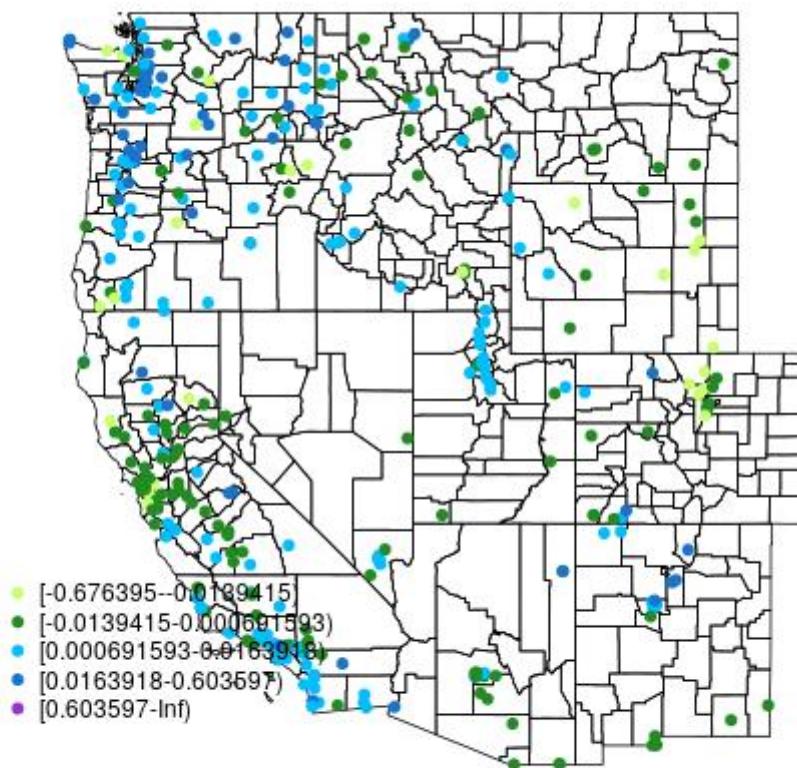


Figure 568: DZDT.850(mb) Month 11

DZDT.850(mb) Month 12

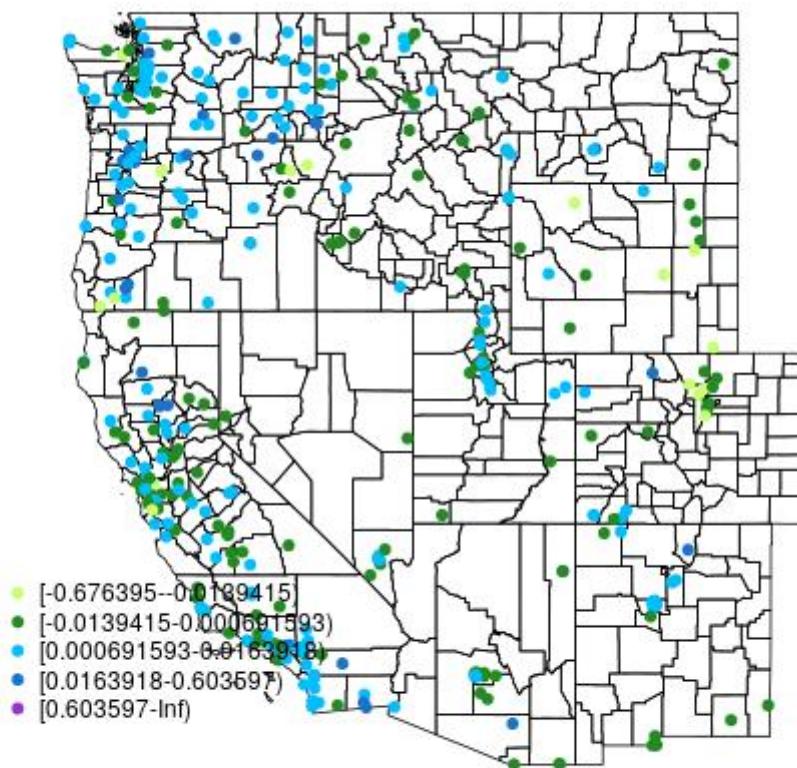


Figure 569: DZDT.850(mb) Month 12

DZDT.700(mb) Month 1

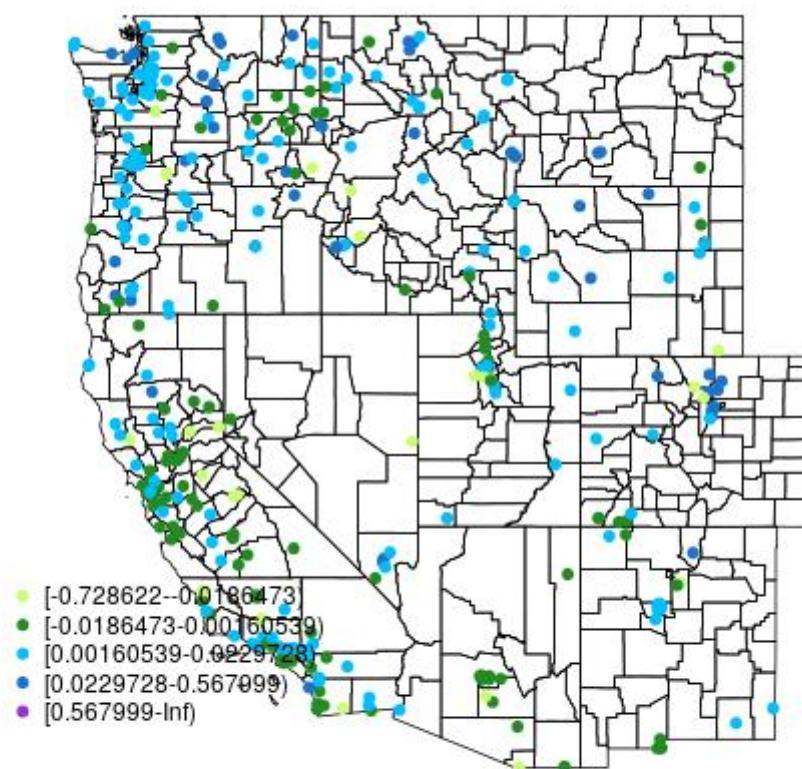


Figure 570: DZDT.700(mb) Month 1

DZDT.700(mb) Month 2

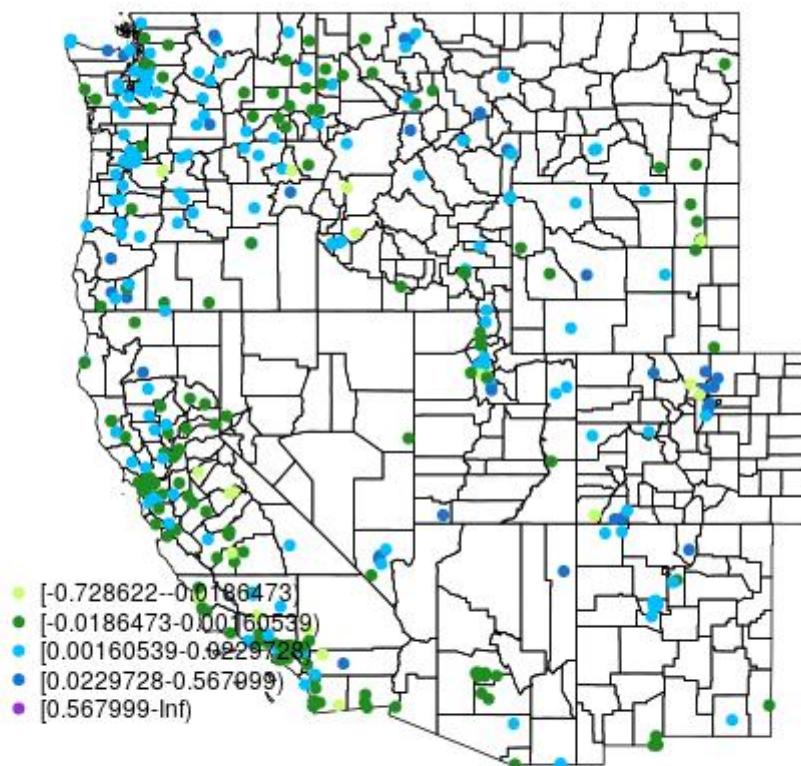


Figure 571: DZDT.700(mb) Month 2

DZDT.700(mb) Month 3

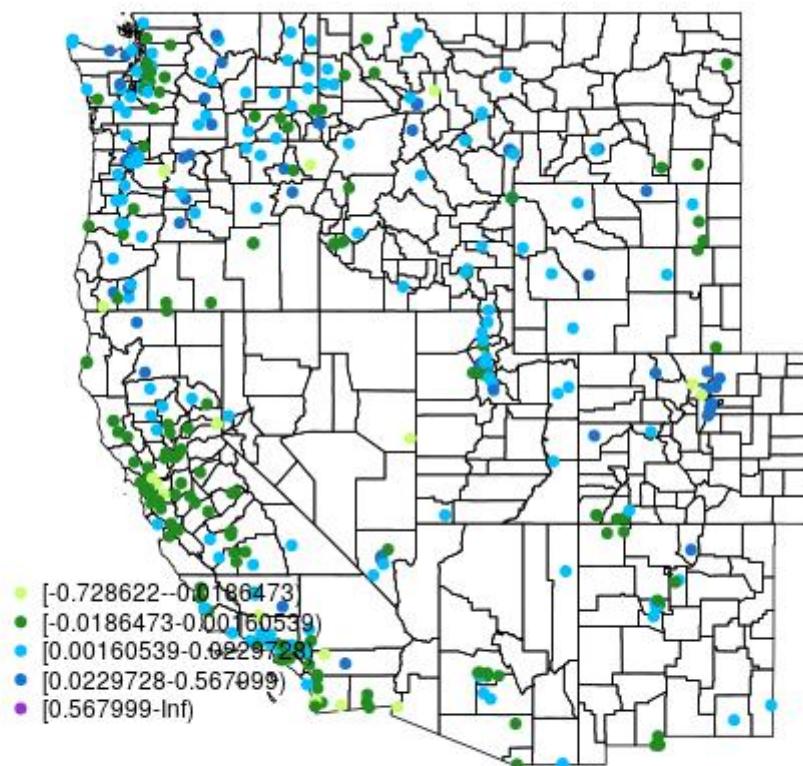


Figure 572: DZDT.700(mb) Month 3

DZDT.700(mb) Month 4

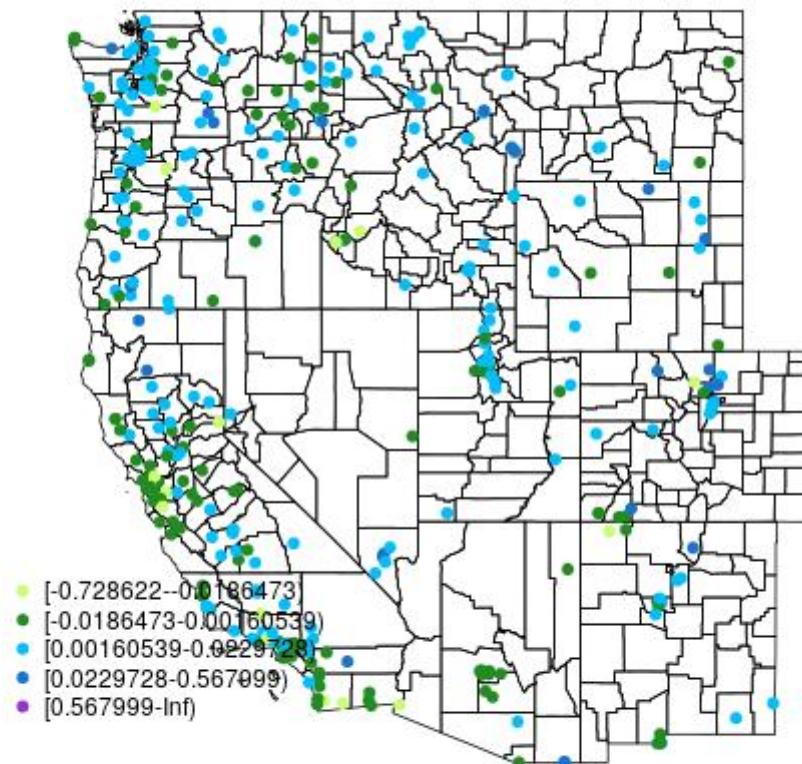


Figure 573: DZDT.700(mb) Month 4

DZDT.700(mb) Month 5

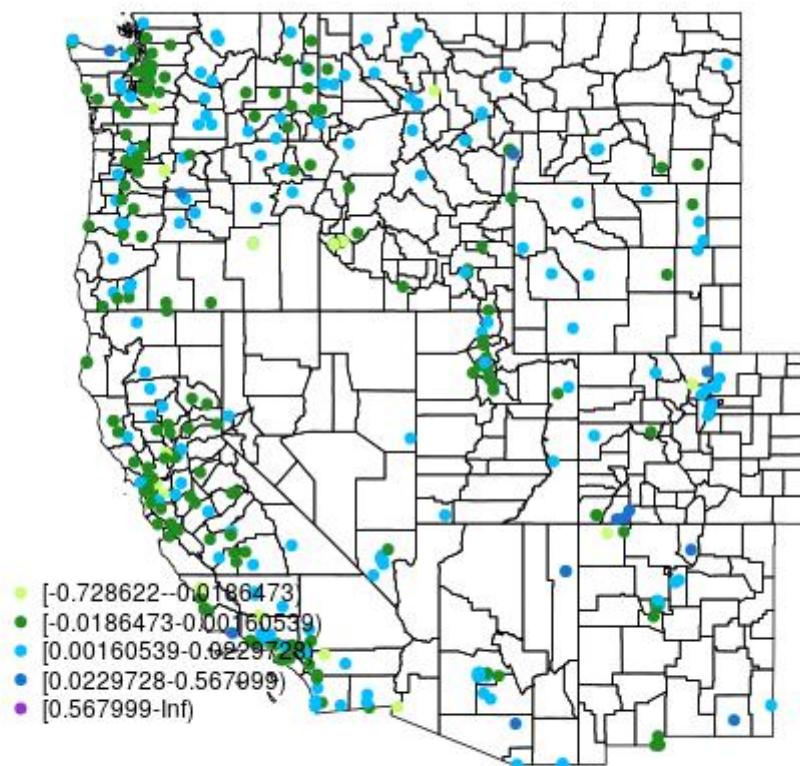


Figure 574: DZDT.700(mb) Month 5

DZDT.700(mb) Month 6

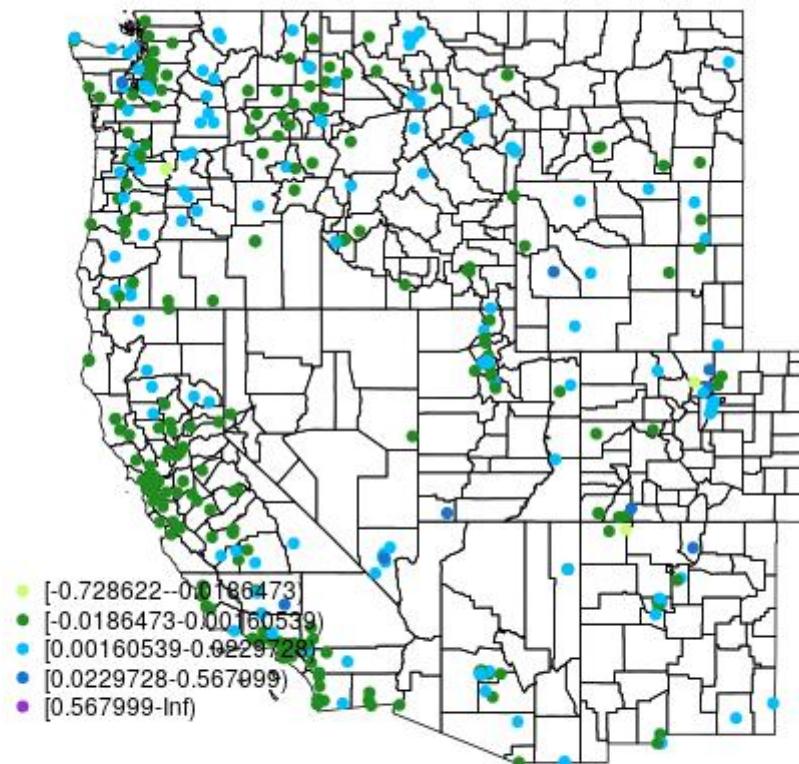


Figure 575: DZDT.700(mb) Month 6

DZDT.700(mb) Month 7

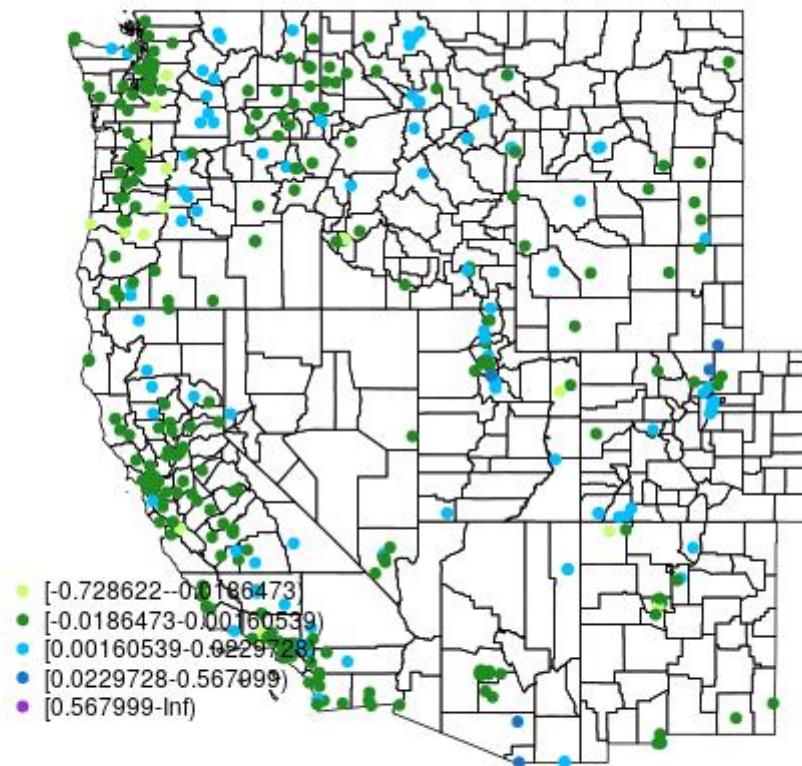


Figure 576: DZDT.700(mb) Month 7

DZDT.700(mb) Month 8

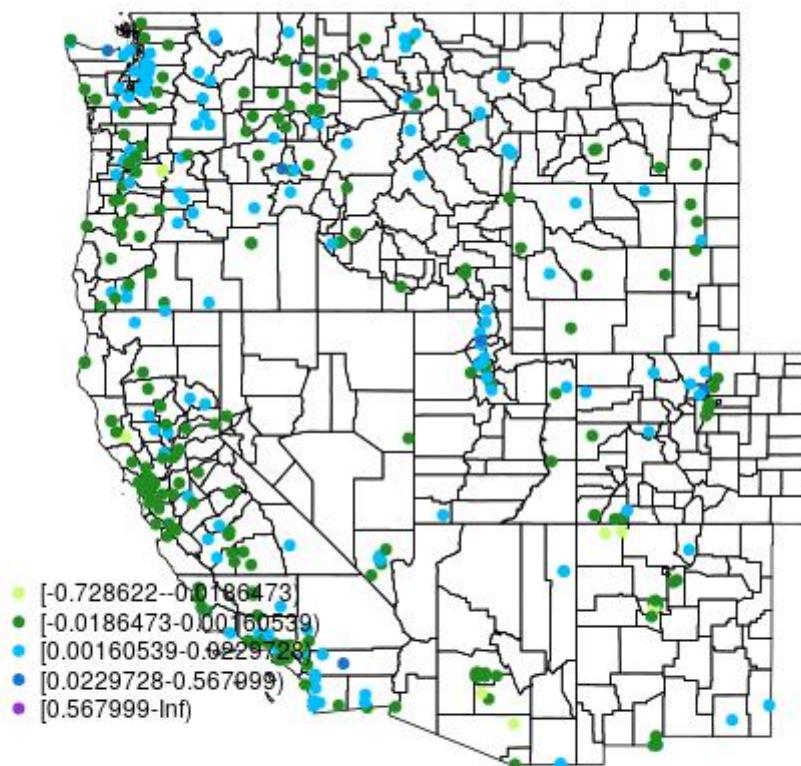


Figure 577: DZDT.700(mb) Month 8

DZDT.700(mb) Month 9

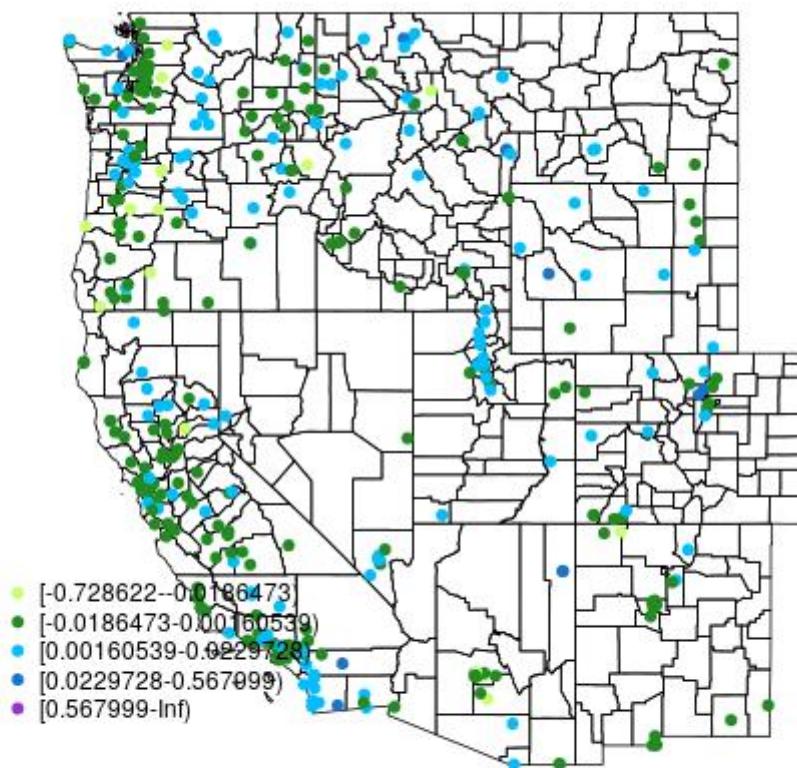


Figure 578: DZDT.700(mb) Month 9

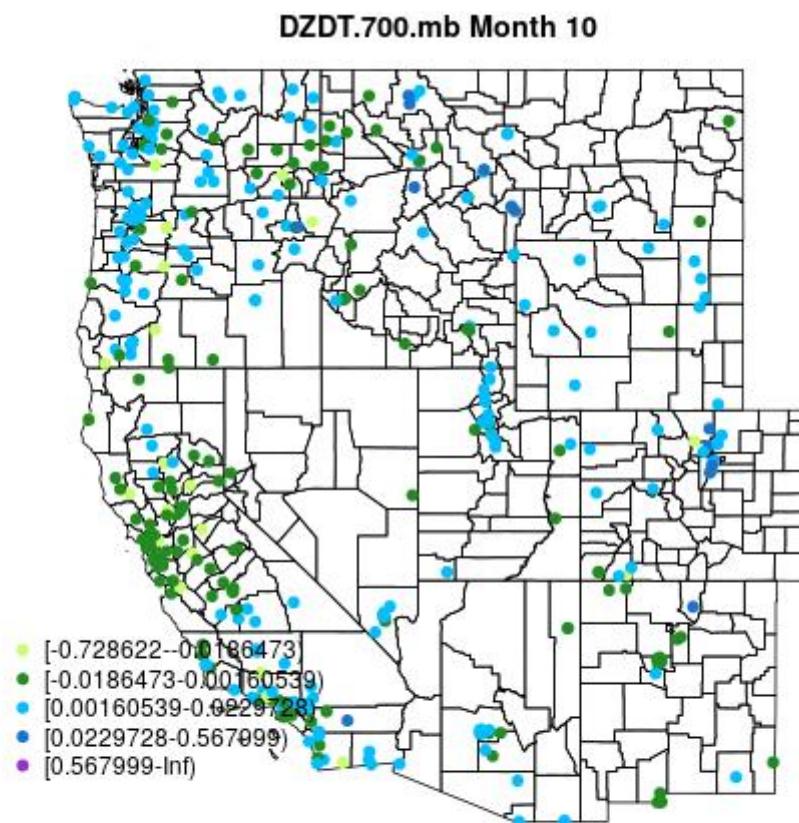


Figure 579: DZDT.700.mb Month 10

DZDT.700(mb) Month 11

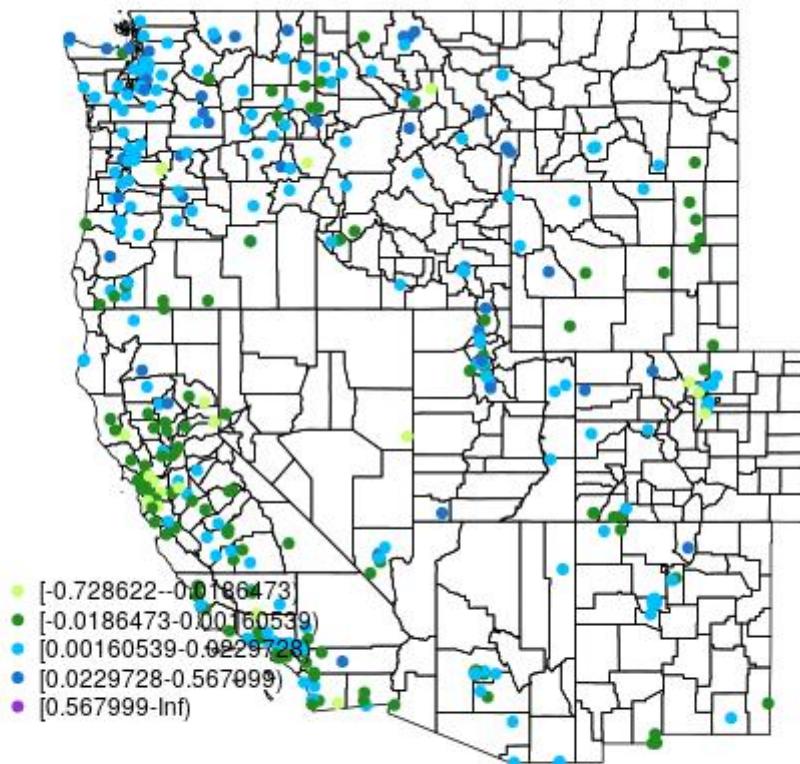


Figure 580: DZDT.700(mb) Month 11

DZDT.700(mb) Month 12

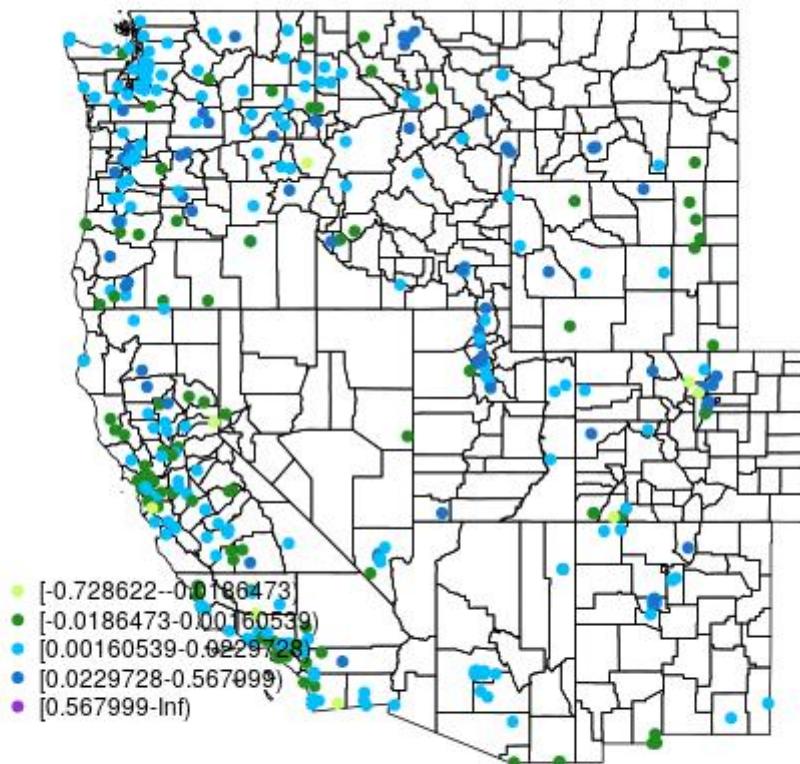


Figure 581: DZDT.700(mb) Month 12

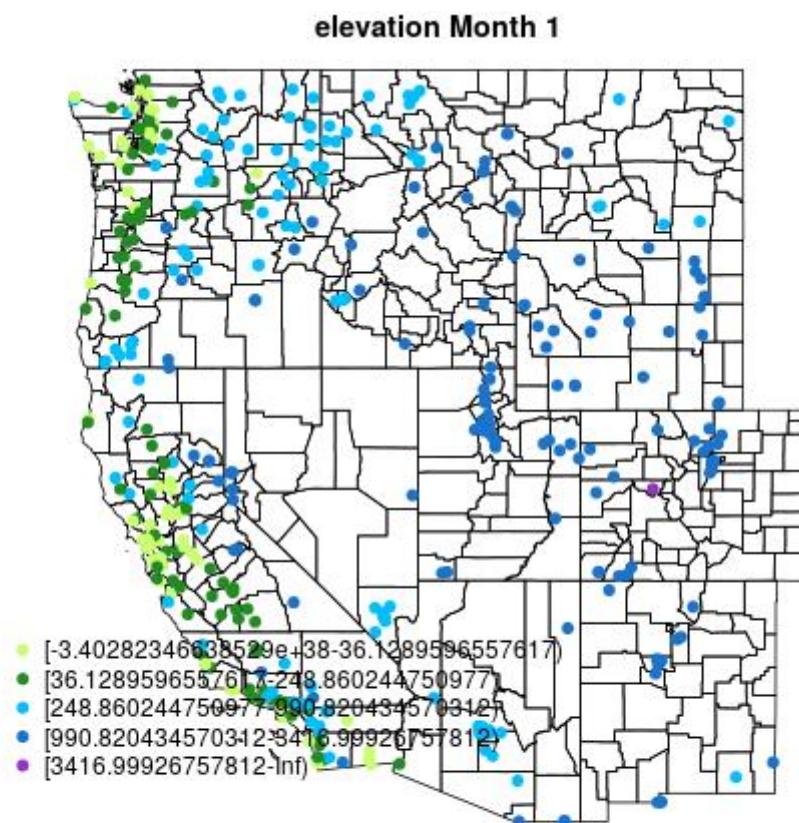


Figure 582: elevation Month 1

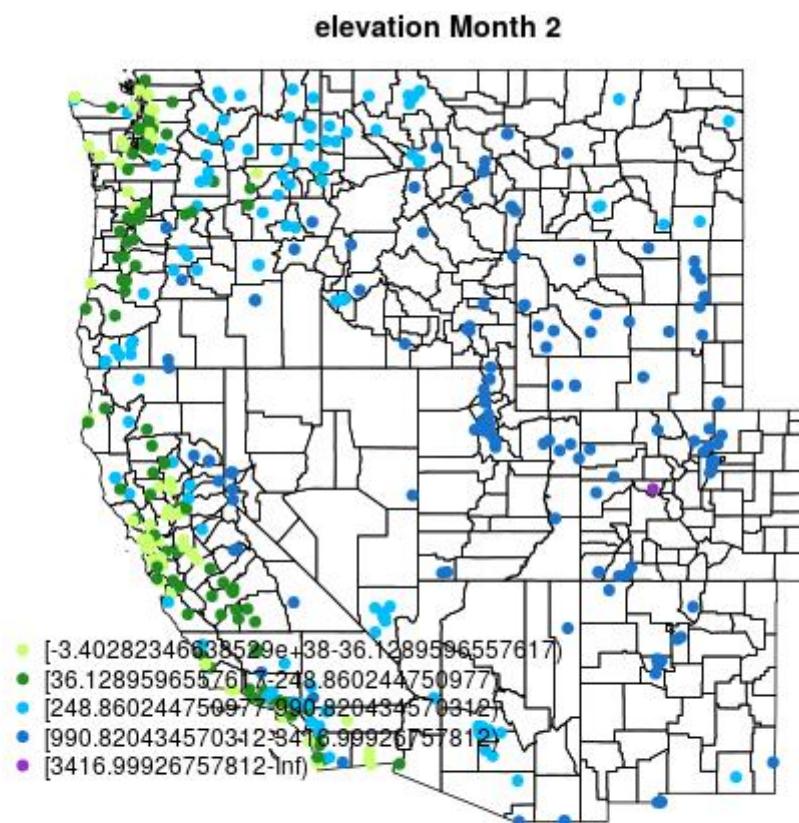


Figure 583: elevation Month 2

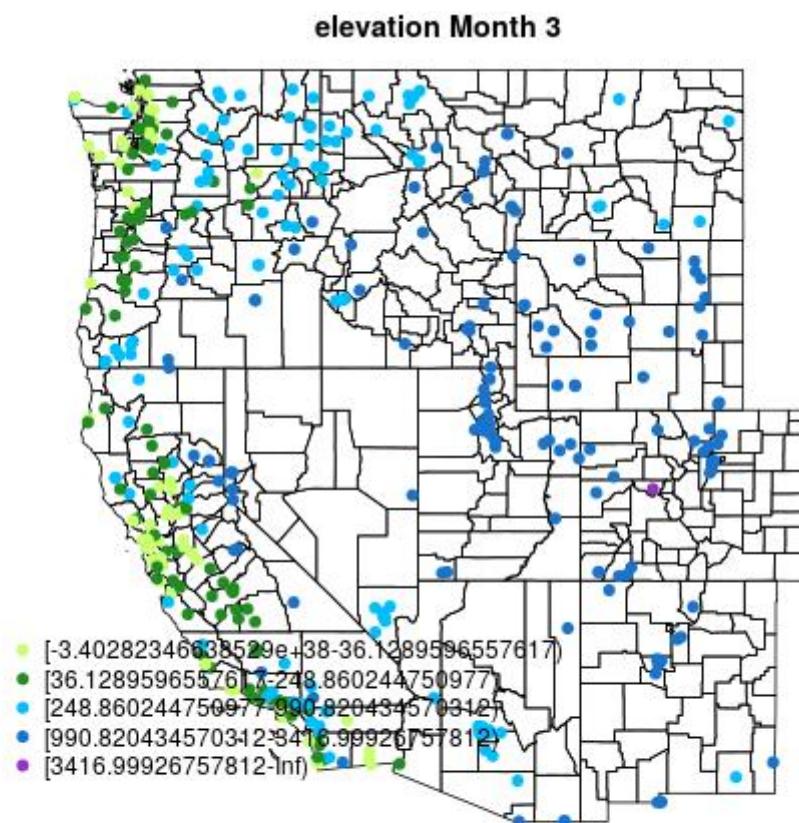


Figure 584: elevation Month 3

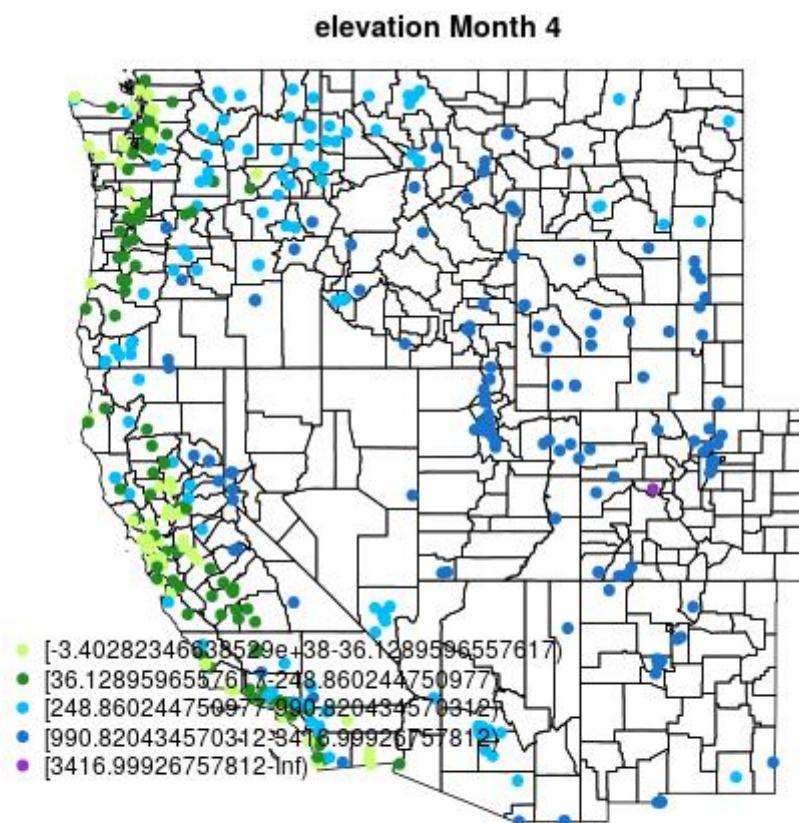


Figure 585: elevation Month 4

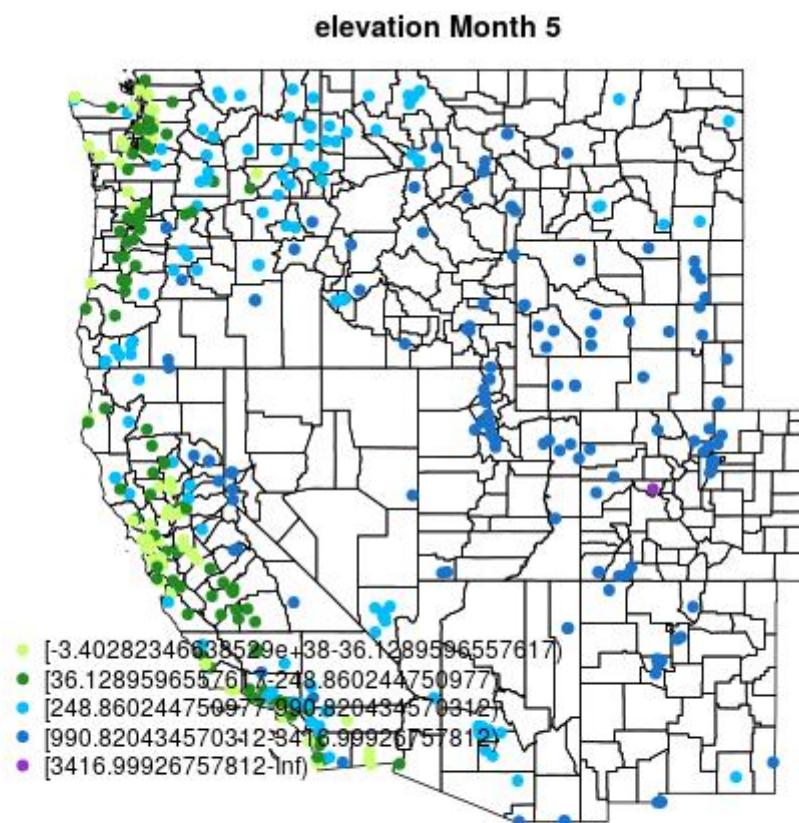


Figure 586: elevation Month 5

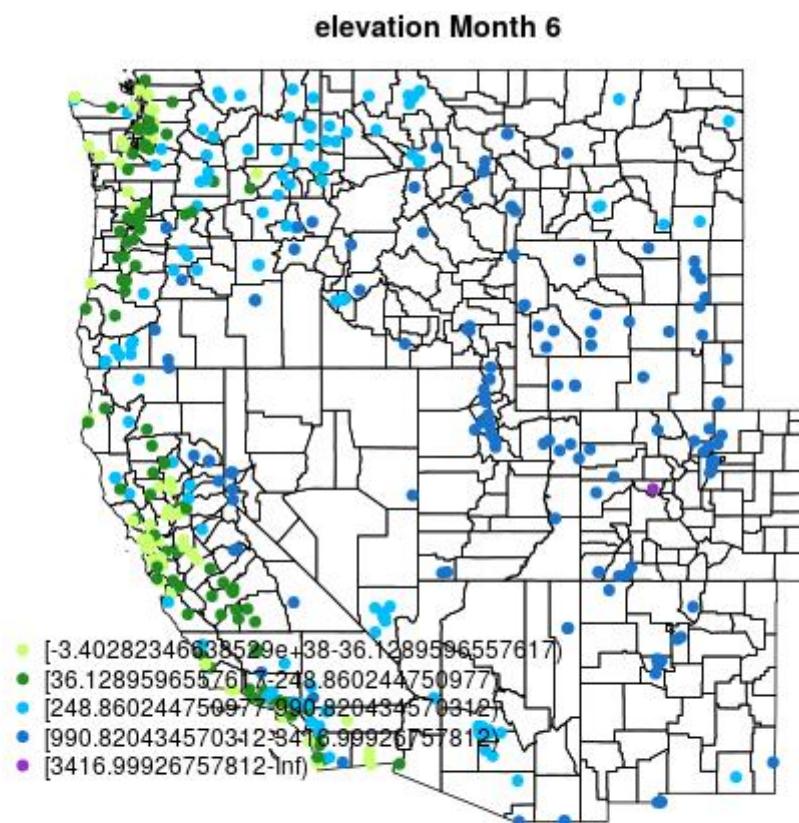


Figure 587: elevation Month 6

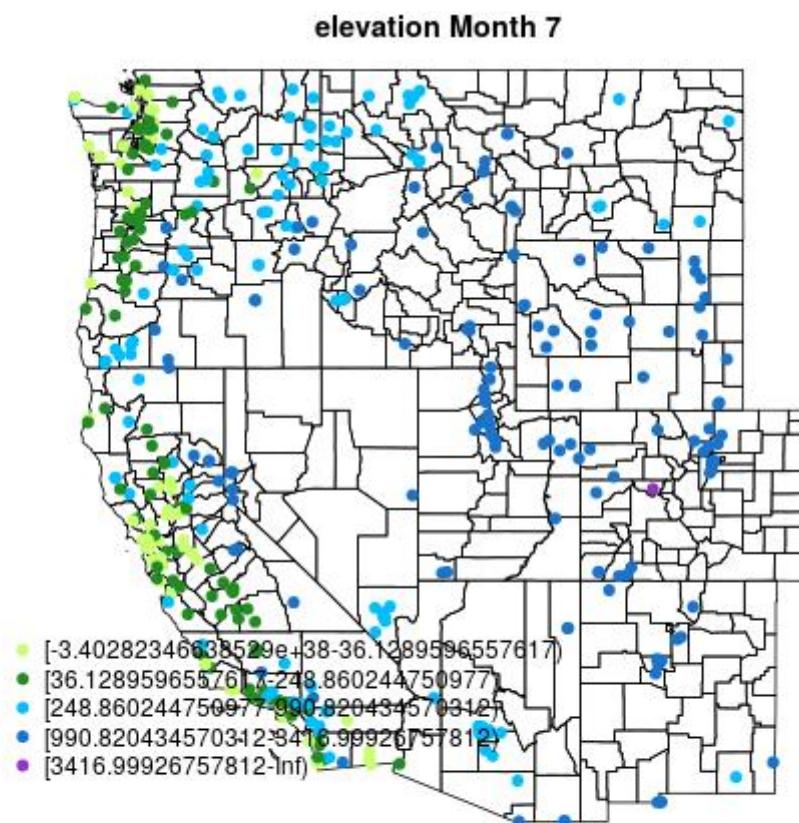


Figure 588: elevation Month 7

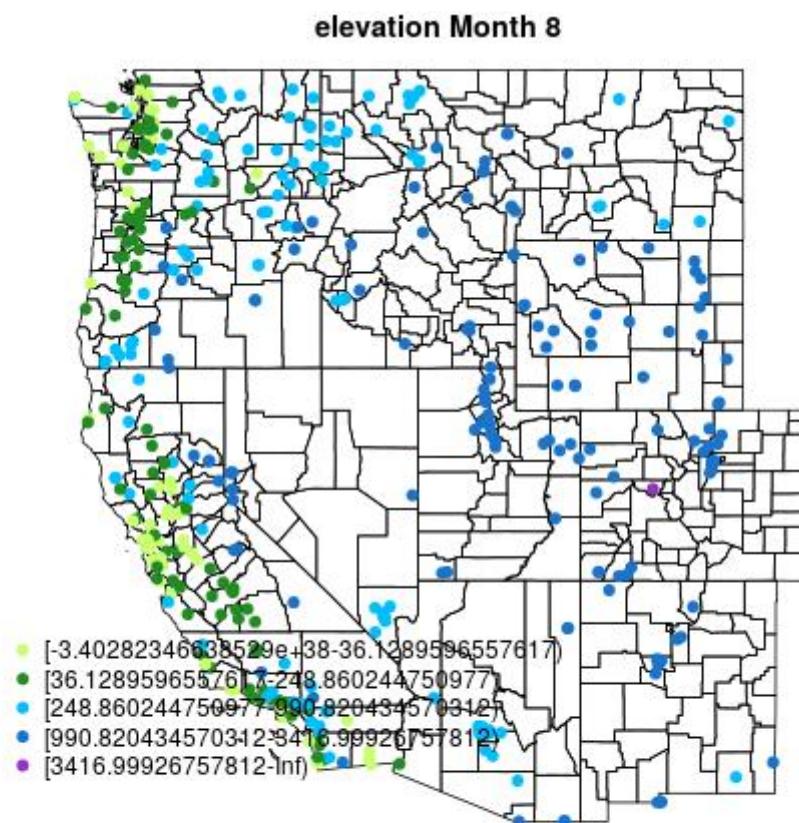


Figure 589: elevation Month 8

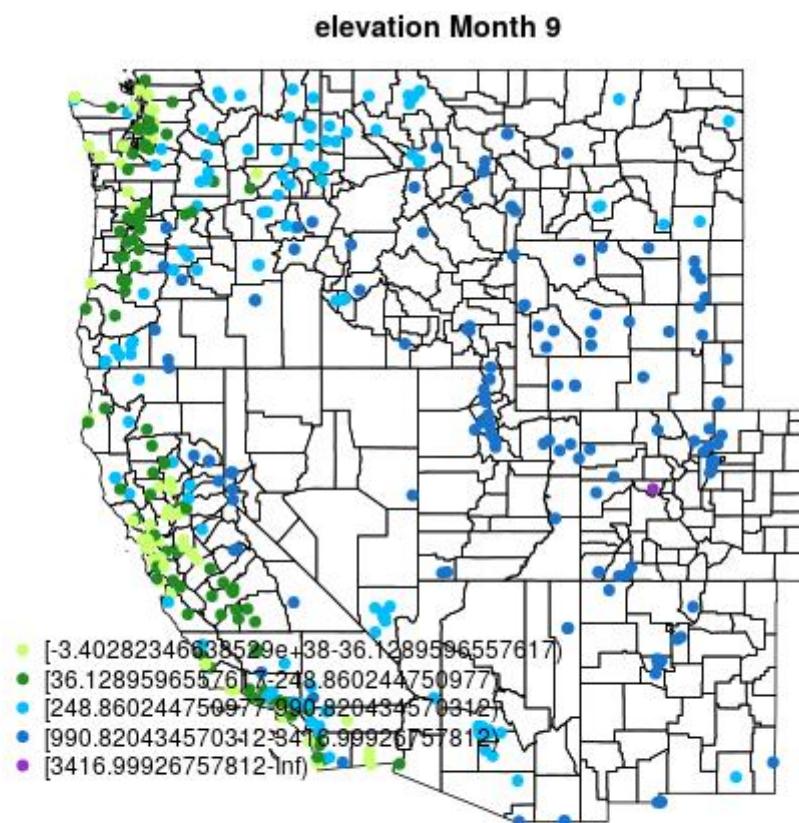


Figure 590: elevation Month 9

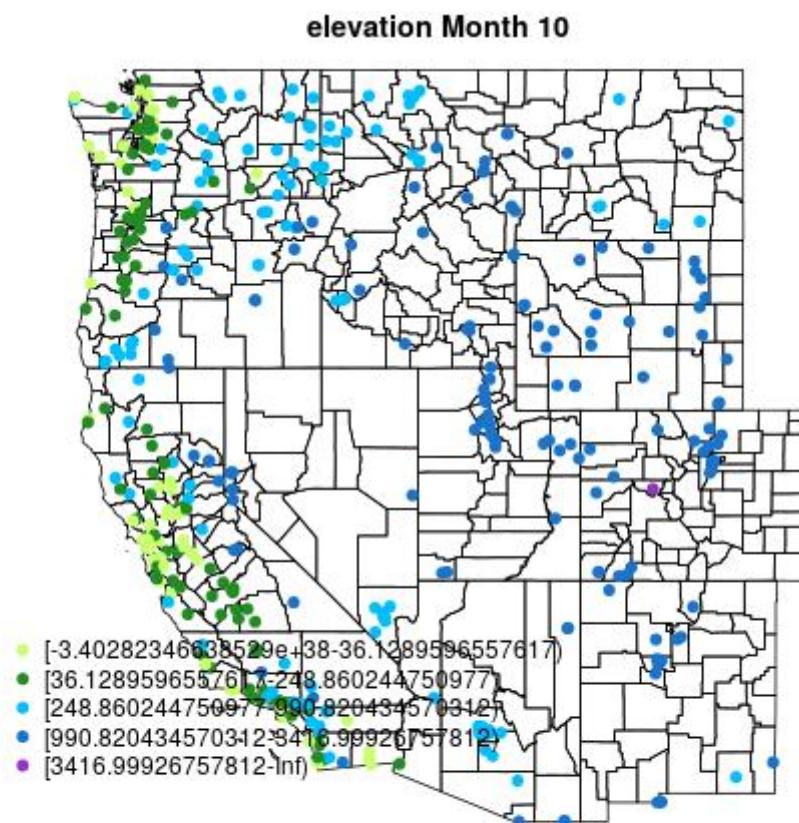


Figure 591: elevation Month 10

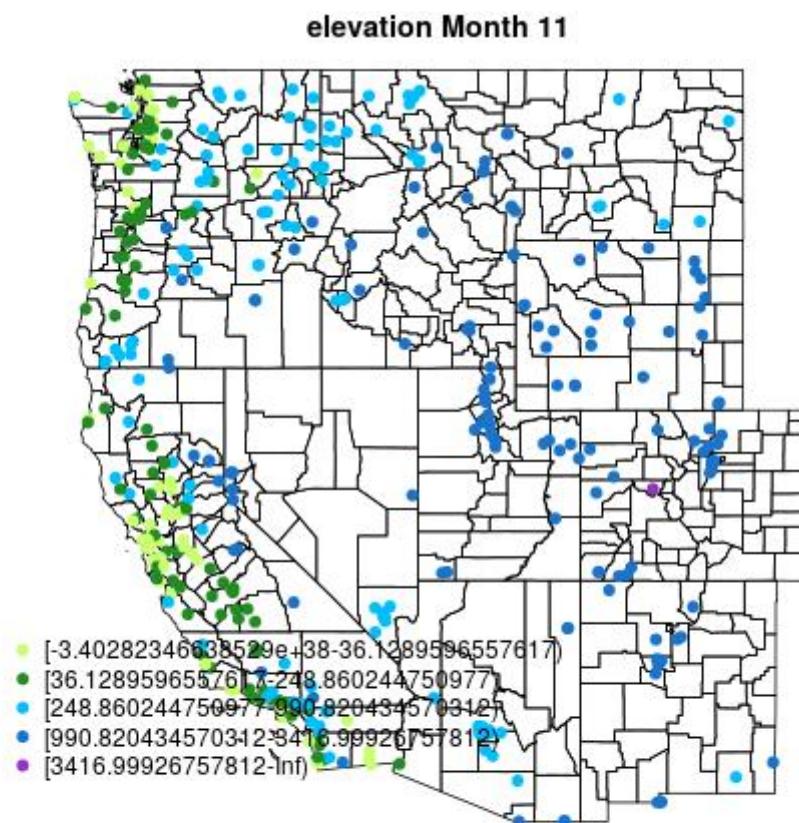


Figure 592: elevation Month 11

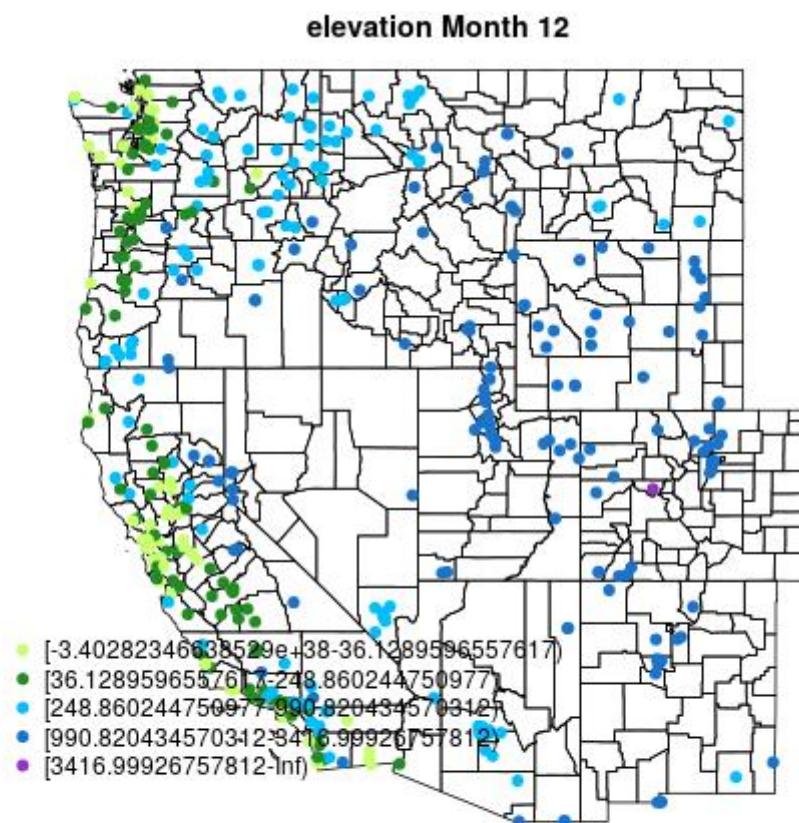


Figure 593: elevation Month 12

NLCD Month 1

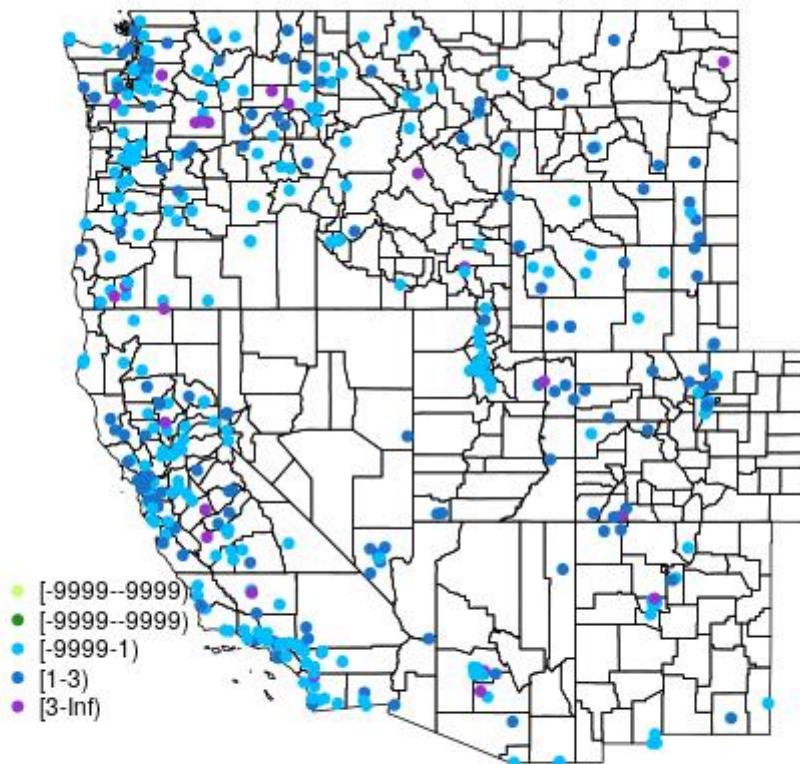


Figure 594: NLCD Month 1

NLCD Month 2

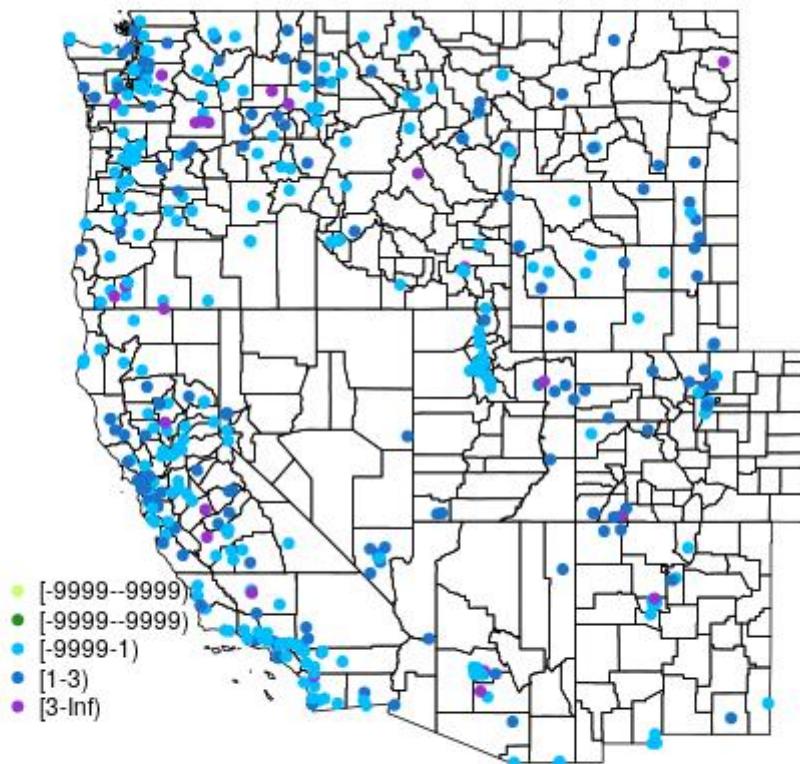


Figure 595: NLCD Month 2

NLCD Month 3

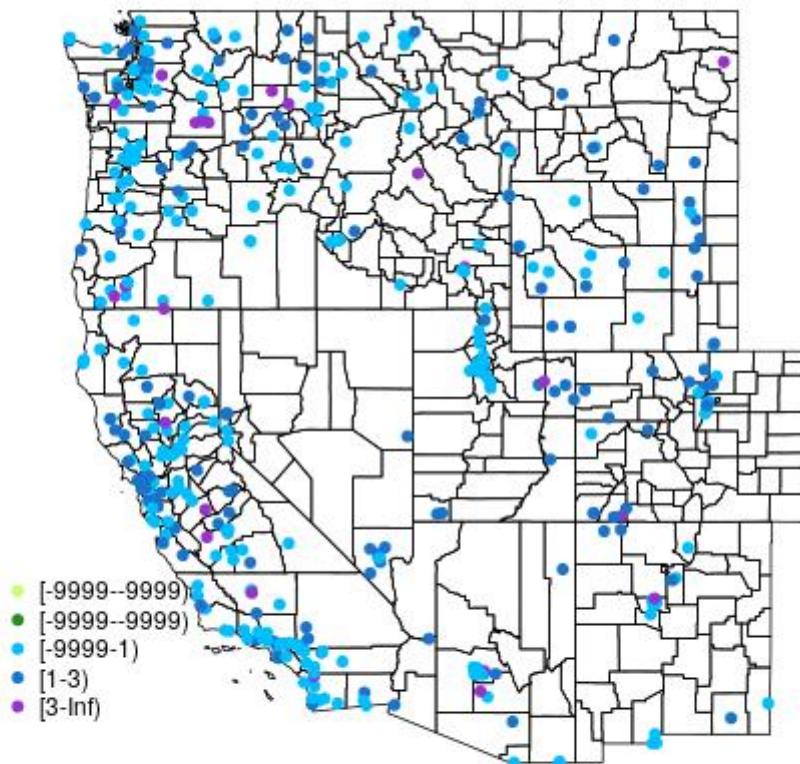


Figure 596: NLCD Month 3

NLCD Month 4

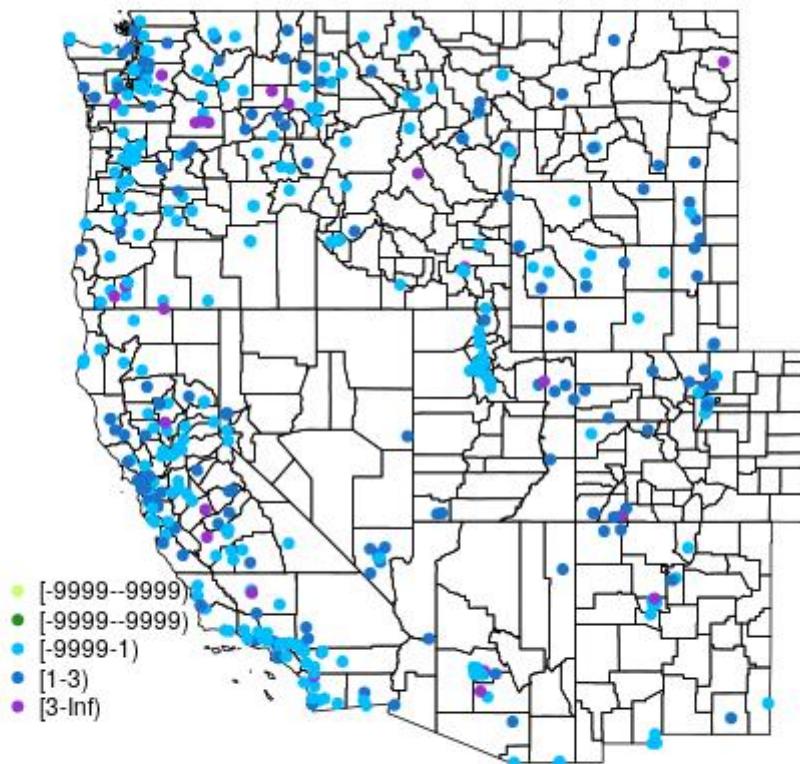


Figure 597: NLCD Month 4

NLCD Month 5

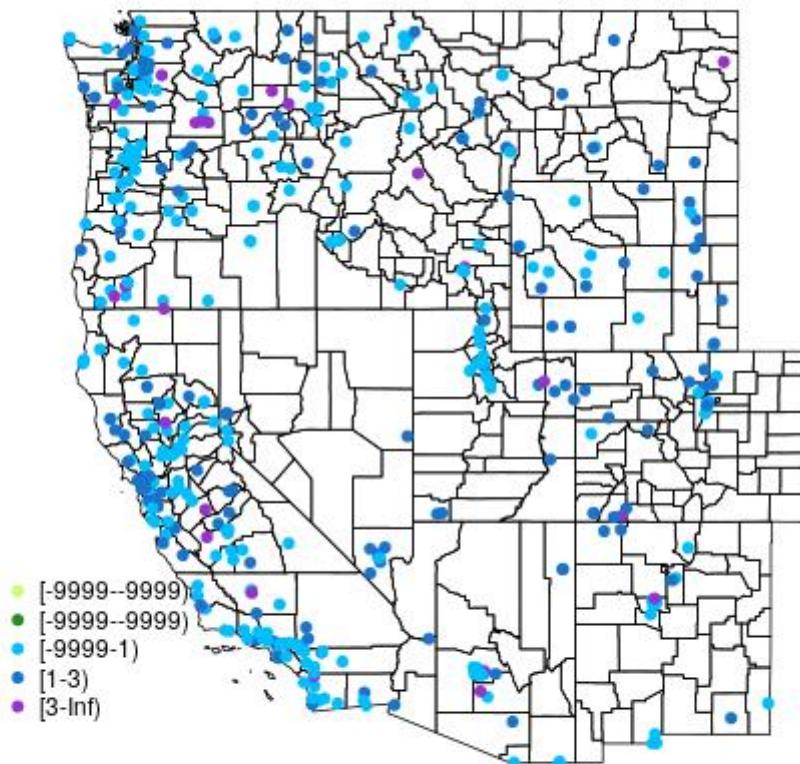


Figure 598: NLCD Month 5

NLCD Month 6

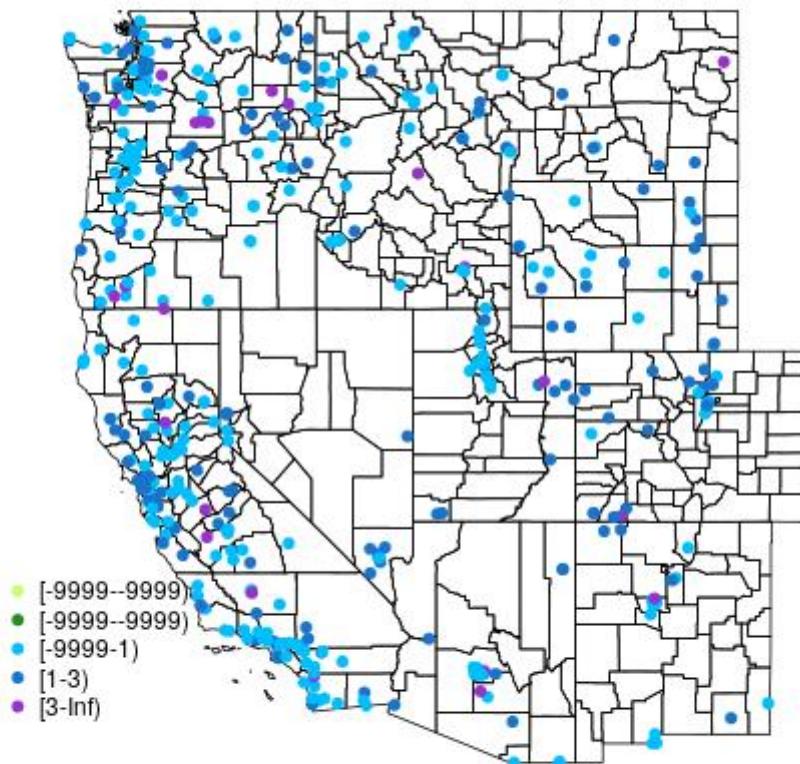


Figure 599: NLCD Month 6

NLCD Month 7

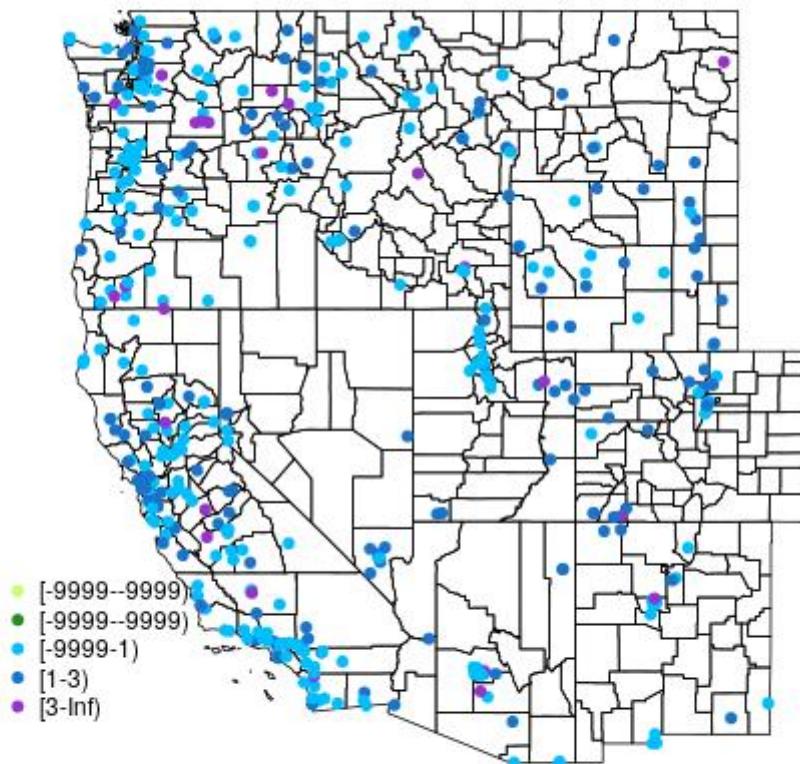


Figure 600: NLCD Month 7

NLCD Month 8

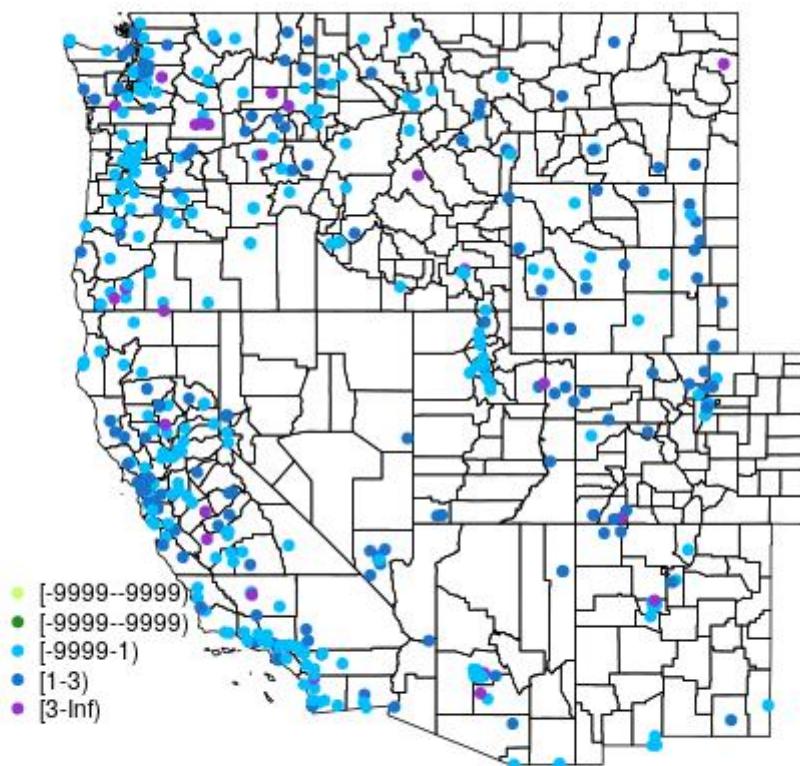


Figure 601: NLCD Month 8

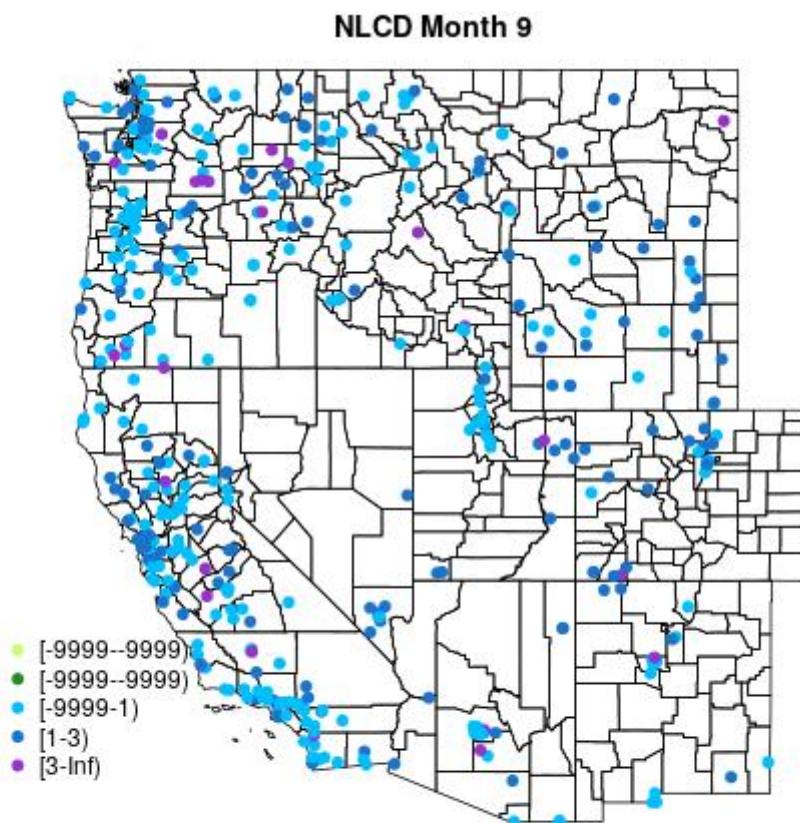


Figure 602: NLCD Month 9

NLCD Month 10

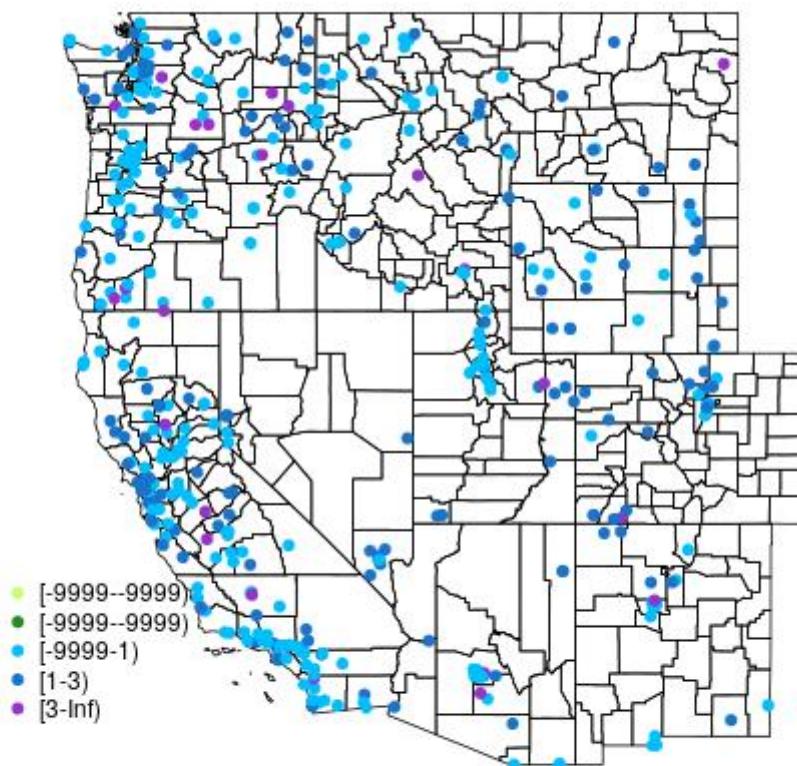


Figure 603: NLCD Month 10

NLCD Month 11

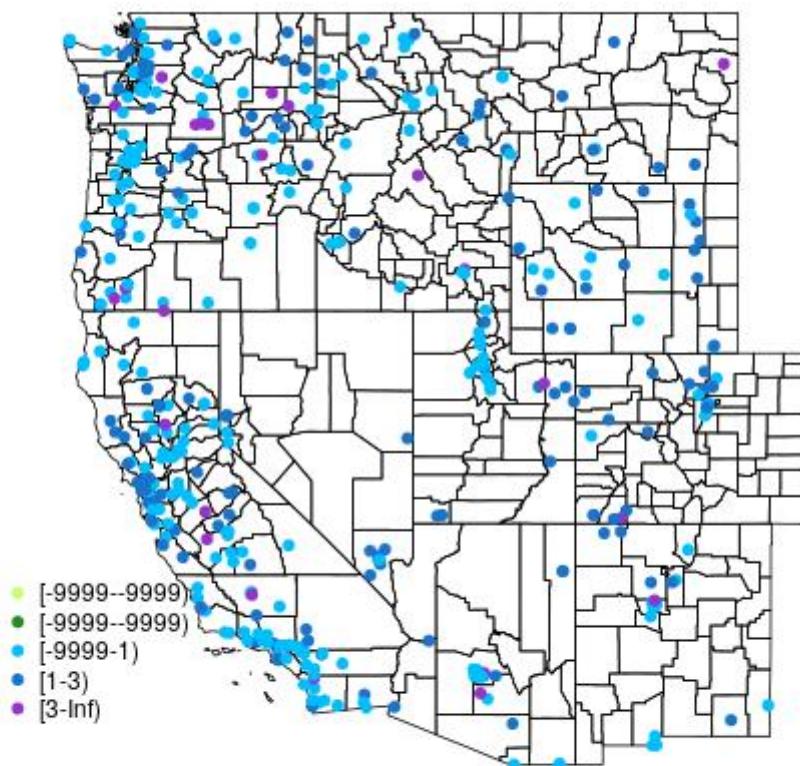


Figure 604: NLCD Month 11

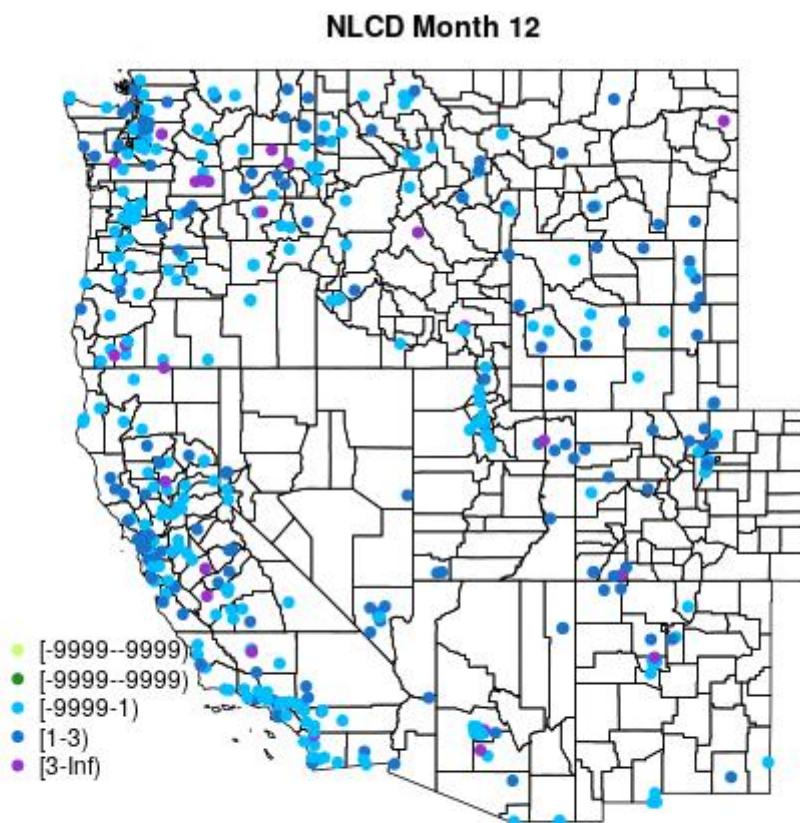


Figure 605: NLCD Month 12