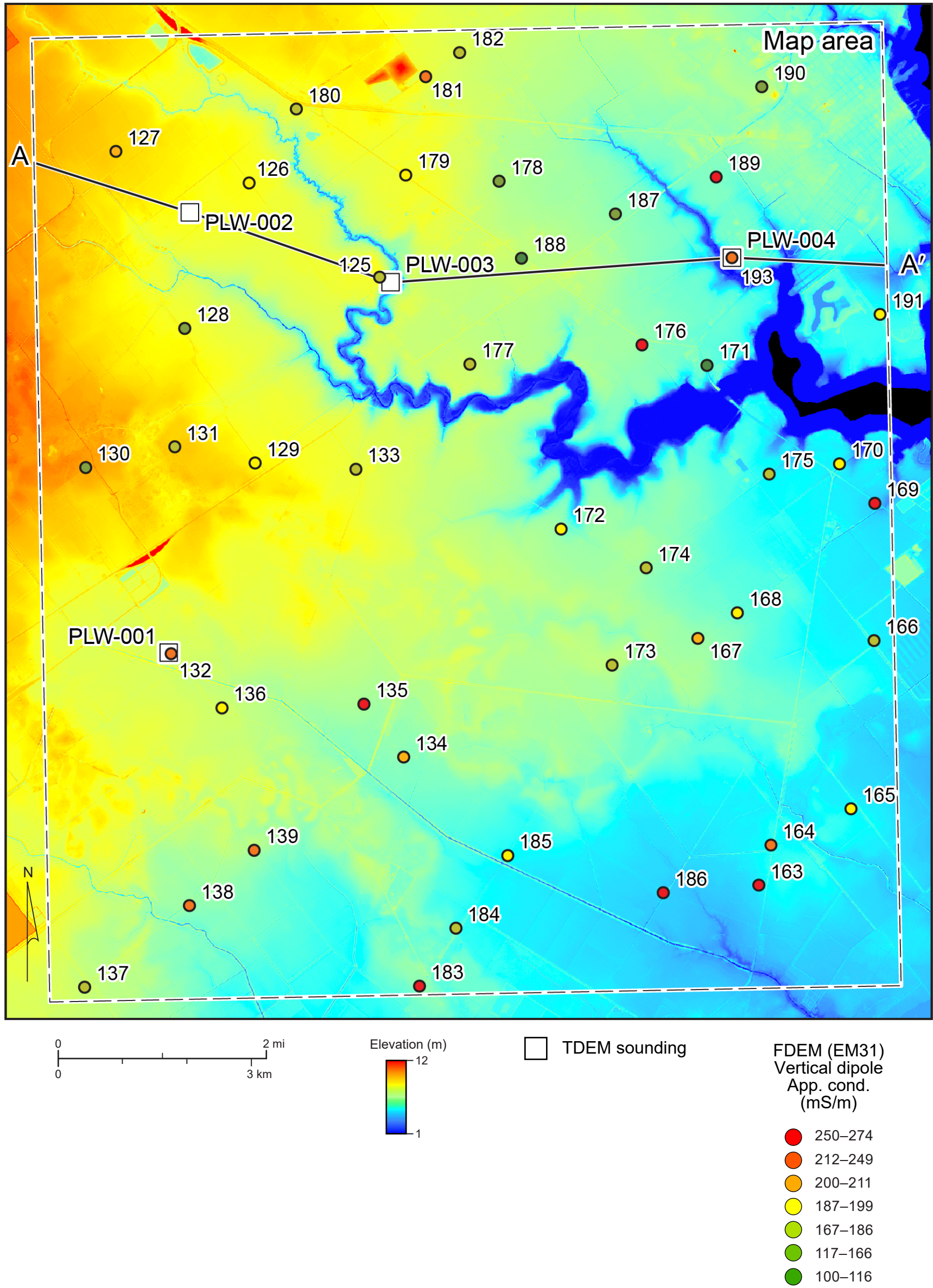


DIGITAL ELEVATION MODEL (DEM) AND TIME-DOMAIN AND FREQUENCY-DOMAIN
ELECTROMAGNETIC INDUCTION MEASUREMENT LOCATIONS

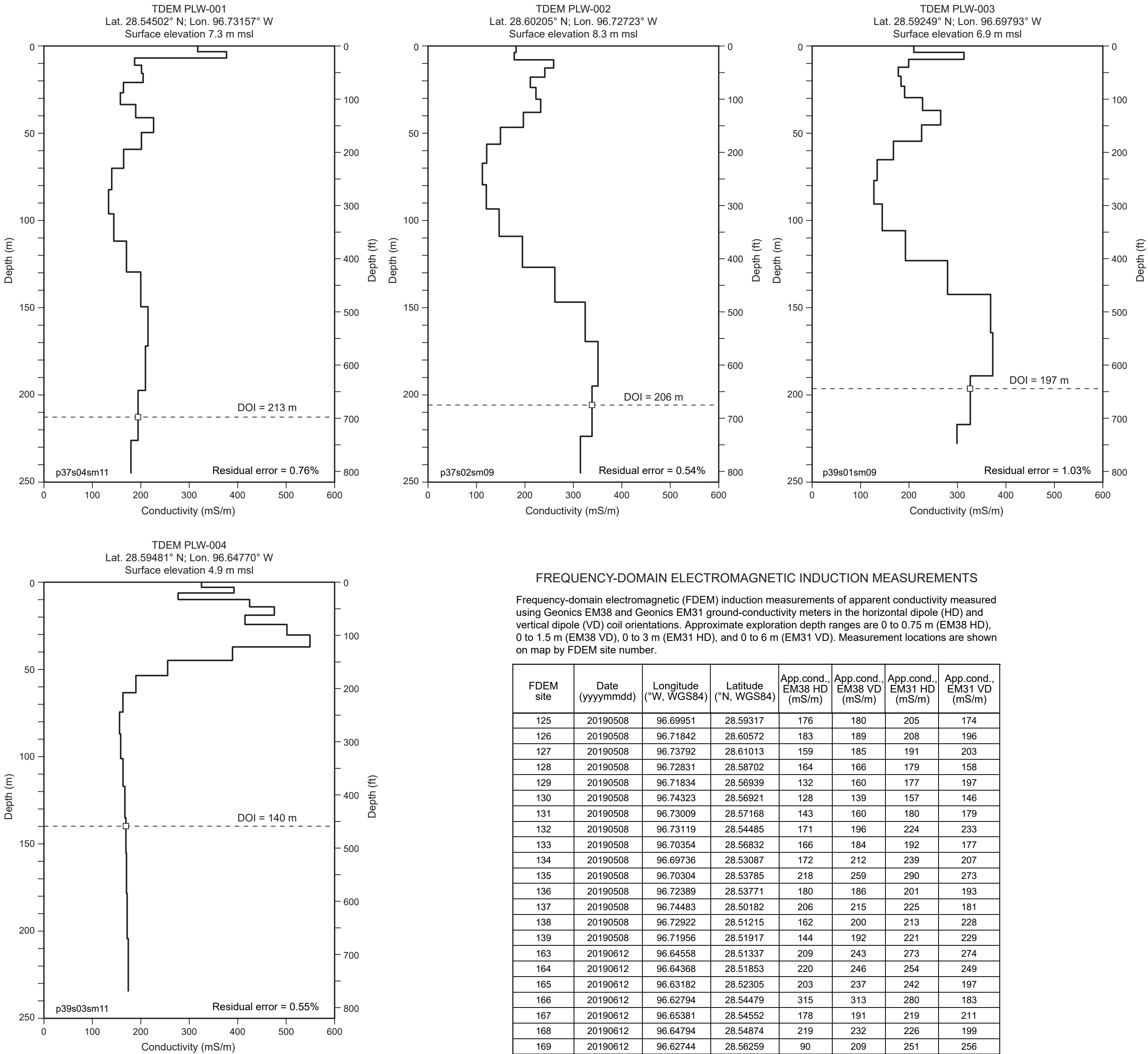


Digital elevation model (DEM) from the U.S. Geological Survey constructed from 2011 airborne lidar survey data.

Time-domain electromagnetic (TDEM) sounding were acquired by Bureau of Economic Geology staff in May and June 2019 using an ABEM WalkTEM dual-moment instrument. The transmitter loop was circular with a 25.5-m radius. Transmitter current ranged from 1 (low moment) to 7 (high moment) amperes. Data were processed using SPIA software from Aarhus University. Location shown on map.

DOI = Approximate depth of investigation

BEST-FIT ELECTRICAL CONDUCTIVITY MODEL TIME-DOMAIN ELECTROMAGNETIC SOUNDINGS



FREQUENCY-DOMAIN ELECTROMAGNETIC INDUCTION MEASUREMENTS

Frequency-domain electromagnetic (FDEM) induction measurements of apparent conductivity measured using Geonics EM38 and Geonics EM31 ground-conductivity meters in the horizontal dipole (HD) and vertical dipole (VD) coil orientations. Approximate exploration depth ranges are 0 to 0.75 m (EM38 HD), 0 to 1.5 m (EM38 VD), 0 to 3 m (EM31 HD), and 0 to 6 m (EM31 VD). Measurement locations are shown on map by FDEM site number.

FDEM site	Date (yyyymmdd)	Longitude (°W, WGS84)	Latitude (°N, WGS84)	App.cond., EM38 HD (mS/m)	App.cond., EM38 VD (mS/m)	App.cond., EM31 HD (mS/m)	App.cond., EM31 VD (mS/m)
125	20190508	96.69951	28.59317	176	180	205	174
126	20190508	96.71842	28.60572	183	189	208	196
127	20190508	96.73792	28.61013	159	185	191	203
128	20190508	96.72831	28.58702	164	166	179	158
129	20190508	96.71834	28.56939	132	160	177	197
130	20190508	96.74323	28.56921	128	139	157	146
131	20190508	96.73009	28.57168	143	160	180	179
132	20190508	96.73119	28.54485	171	196	224	233
133	20190508	96.70354	28.56832	166	184	192	177
134	20190508	96.69736	28.53087	172	212	239	207
135	20190508	96.70304	28.53785	218	259	290	273
136	20190508	96.72389	28.53771	180	186	201	193
137	20190508	96.74483	28.50182	206	215	225	181
138	20190508	96.72922	28.51215	162	200	213	228
139	20190508	96.71956	28.51917	144	192	221	229
163	20190612	96.64558	28.51337	209	243	273	274
164	20190612	96.64368	28.51853	220	246	254	249
165	20190612	96.63182	28.52305	203	237	242	197
166	20190612	96.62794	28.54479	315	313	280	183
167	20190612	96.65381	28.54552	178	191	219	211
168	20190612	96.64794	28.54874	219	232	226	199
169	20190612	96.62744	28.56259	90	209	251	256
170	20190612	96.63251	28.56780	160	181	191	195
171	20190612	96.65169	28.58091	93	104	100	100
172	20190613	96.67360	28.56006	160	196	210	191
173	20190613	96.66648	28.54228	150	176	186	177
174	20190613	96.66121	28.55482	162	172	188	174
175	20190613	96.64286	28.56665	169	191	207	175
176	20190613	96.66118	28.58373	190	229	244	266
177	20190613	96.68651	28.58166	187	206	206	184
178	20190613	96.68171	28.60533	160	179	169	153
179	20190613	96.69540	28.60634	176	211	204	191
180	20190613	96.71128	28.61518	152	178	186	173
181	20190613	96.69218	28.61906	178	216	210	234
182	20190613	96.68714	28.62209	192	197	194	181
183	20190613	96.69566	28.50113	217	240	255	271
184	20190613	96.69015	28.50856	153	165	181	186
185	20190613	96.68235	28.51785	179	187	216	199
186	20190613	96.65963	28.51264	223	258	279	261
187	20190613	96.66470	28.60078	181	174	184	154
188	20190613	96.67863	28.59527	135	142	132	116
189	20190613	96.64978	28.60531	180	219	262	261
190	20190613	96.64284	28.61689	170	162	178	166
191	20190613	96.62611	28.58707	173	189	206	194
193	20190614	96.64770	28.59481	189	223	248	241