Appendix 2

Table 1 - List of magnetotelluric (MT) stations in southwest Alaska. The list includes station names, year data were acquired, location, and whether the vertical magnetic field was recorded.

Station	Year	Latitude[1]	Longitude[1]	Elevation (meters)	Northing[2]	Easting[2]	Vertical magnetic field
001	2007	59.898660	-155.287607	316	6642336	372029	Yes
002	2007	59.898740	-155.278810	313	6642328	372522	Yes
003	2007	59.898665	-155.298407	363	6642357	371425	Yes
004	2007	59.898826	-155.307766	371	6642393	370903	Yes
005	2007	59.898656	-155.318991	397	6642397	370274	Yes
006	2007	59.898683	-155.269621	321	6642304	373035	Yes
pbl001	2008	59.723682	-154.996384	71	6622328	387730	Yes
pbl002	2008	59.747841	-155.018143	69	6625055	386589	
pbl003	2008	59.753395	-155.039795	88	6625711	385391	Yes
pbl004	2008	59.763325	-155.061264	94	6626853	384220	Yes
pbl005	2008	59.781158	-155.081009	210	6628873	383173	
pbl006	2008	59.795849	-155.103271	225	6630548	381975	Yes
pbl007	2008	59.810402	-155.122437	259	6632203	380952	Yes
pbl008	2008	59.825016	-155.143036	249	6633867	379850	
pbl009	2008	59.840408	-155.164688	200	6635620	378692	Yes
pbl010	2008	59.853432	-155.185974	280	6637109	377547	Yes
pbl011	2008	59.868233	-155.206314	531	6638794	376463	Yes
pbl019	2008	59.925392	-155.289124	369	6645315	372048	Yes
pbl020	2008	59.940880	-155.311540	339	6647082	370855	Yes
pbl021	2008	59.955414	-155.334564	333	6648745	369626	Yes
pbl022	2008	59.989410	-155.377840	522	6652616	367346	Yes
pbl023	2008	60.016770	-155.418180	231	6655743	365208	
pbl024	2008	60.041730	-155.463530	161	6658615	362784	
pbl025	2008	60.070310	-155.503050	118	6661879	360704	Yes
pbl026	2008	60.098550	-155.551940	339	6665127	358106	Yes
pbl027	2008	60.127920	-155.588590	167	6668475	356197	
pbl201	2008	59.816890	-154.735380	210	6632293	402677	Yes
pbl202	2008	59.846676	-154.777069	169	6635671	400429	Yes
pbl203	2008	59.874980	-154.819180	97	6638887	398156	Yes
pbl205	2008	59.902080	-154.893540	76	6642021	394080	Yes
pbl207	2008	59.924568	-154.892609	89	6644523	394204	Yes
pbl208	2008	59.943233	-154.915085	139	6646637	393008	Yes
pbl209	2008	59.961216	-154.941971	344	6648683	391565	Yes
pbl210	2008	59.976357	-154.966797	397	6650410	390229	Yes
pbl211	2008	59.991409	-154.987213	474	6652119	389140	Yes
pbl212	2008	60.005825	-155.007339	402	6653758	388066	Yes
pbl213	2008	60.021465	-155.036728	392	6655550	386482	Yes
pbl214	2008	60.050098	-155.074463	174	6658803	384479	Yes
pbl215	2008	60.072470	-155.104600	136	6661347	382880	Yes
pbl216	2008	60.120170	-155.169300	119	6666773	379455	Yes
pbl217	2008	60.136390	-155.198060	131	6668632	377917	Yes
pbl218	2008	60.094280	-155.140430	128	6663839	380966	Yes

pbl030	2009	60.164609	-155.645662	137	6672685	353191	
pbl031	2009	60.210064	-155.722862	203	6677918	349118	Yes
pbl032	2009	60.255185	-155.794729	351	6683107	345350	Yes
pbl033	2009	60.294403	-155.856884	278	6687619	342101	
pbl034	2009	60.326158	-155.909149	405	6691280	339369	
pbl035	2009	60.366260	-155.977091	198	6695911	335821	Yes
pbl036	2009	60.402631	-156.029515	348	6700090	333118	Yes
pbl037	2009	60.446160	-156.118105	318	6705162	328470	
pbl102	2009	59.813439	-154.928918	93	6632209	391814	
pbl014	2009	59.883060	-155.032069	249	6640133	386268	Yes
pbl105	2009	59.921563	-155.081497	298	6644505	383637	Yes
pbl106	2009	59.955472	-155.135062	481	6648376	380765	
pbl107	2009	59.994752	-155.180370	653	6652831	378379	
pbl108	2009	60.028389	-155.234442	305	6656676	375491	
pbl109	2009	60.060333	-155.295128	153	6660348	372233	Yes
pbl110	2009	60.107248	-155.332691	108	6665644	370327	Yes
pbl230	2009	60.172128	-155.254363	160	6672716	374927	
pbl231	2009	60.214191	-155.319747	344	6677524	371465	
pbl232	2009	60.251870	-155.379086	306	6681836	368329	Yes
pbl233	2009	60.304696	-155.462138	416	6687885	363954	Yes
pbl234	2009	60.346743	-155.552166	331	6692755	359162	
pbl235	2009	60.410848	-155.626993	413	6700053	355319	
pbl236	2009	60.459927	-155.700755	220	6705680	351482	Yes
pbl237	2009	60.489085	-155.740777	297	6709017	349417	
pbl238	2009	60.537134	-155.840327	426	6714597	344181	
pbl402	2009	59.686917	-155.491738	58	6619178	359727	Yes
pbl404	2009	59.757311	-155.591981	231	6627230	354392	
pbl406	2009	59.827091	-155.699529	195	6635238	348669	Yes
pbl408	2009	59.897026	-155.797324	163	6643249	343518	Yes
pbl410	2009	59.970699	-155.882045	195	6651652	339138	Yes
pbl412	2009	60.030620	-156.005844	116	6658628	332534	
pbl414	2009	60.121664	-156.134746	153	6669093	325837	Yes
pbl416	2009	60.209579	-156.269787	162	6679240	318823	Yes
pbl417	2009	60.240902	-156.307636	143	6682830	316902	
pbl418	2009	60.286302	-156.387384	184	6688106	312750	Yes
pbl419	2009	60.336707	-156.470415	229	6693953	308458	Yes
pbl501	2009	59.689023	-155.215149	0	6618861	375302	Yes
pbl502	2009	59.726710	-155.274789	126	6623170	372089	
pbl504	2009	59.799410	-155.375789	291	6631461	366701	Yes
pbl505	2009	59.824551	-155.419985	283	6634350	364325	
pbl506	2009	59.873985	-155.470486	513	6639957	361700	
pbl508	2009	59.938652	-155.576875	469	6647382	356026	
pbl510	2009	60.007475	-155.676593	295	6655263	350767	Yes

[1]Latitude and Longitude are in World Geodetic System of 1984 (WGS84) coordinate system
[2]UTM zone 5 north, WGS84 coordinate system

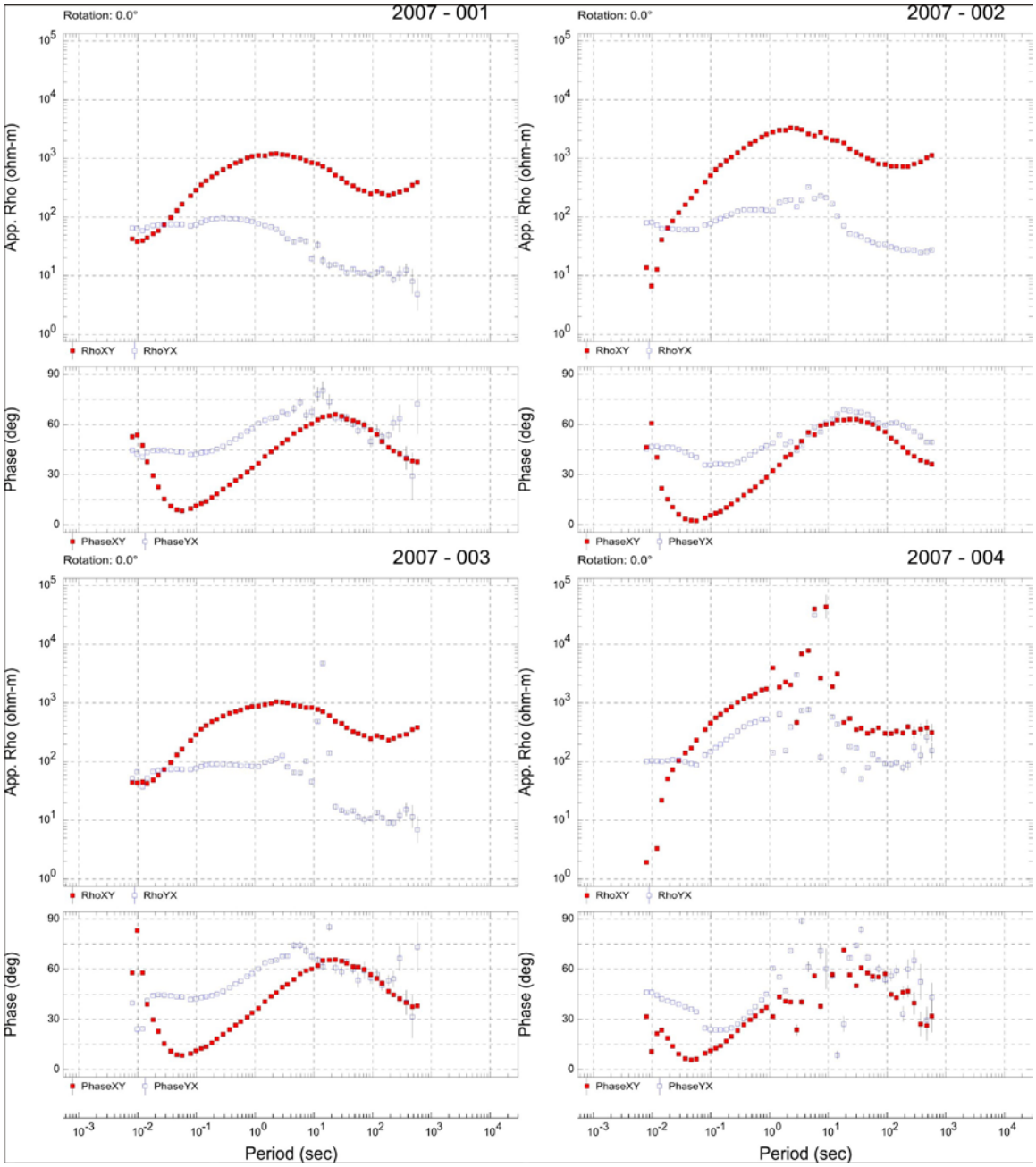

Figure A2-1 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

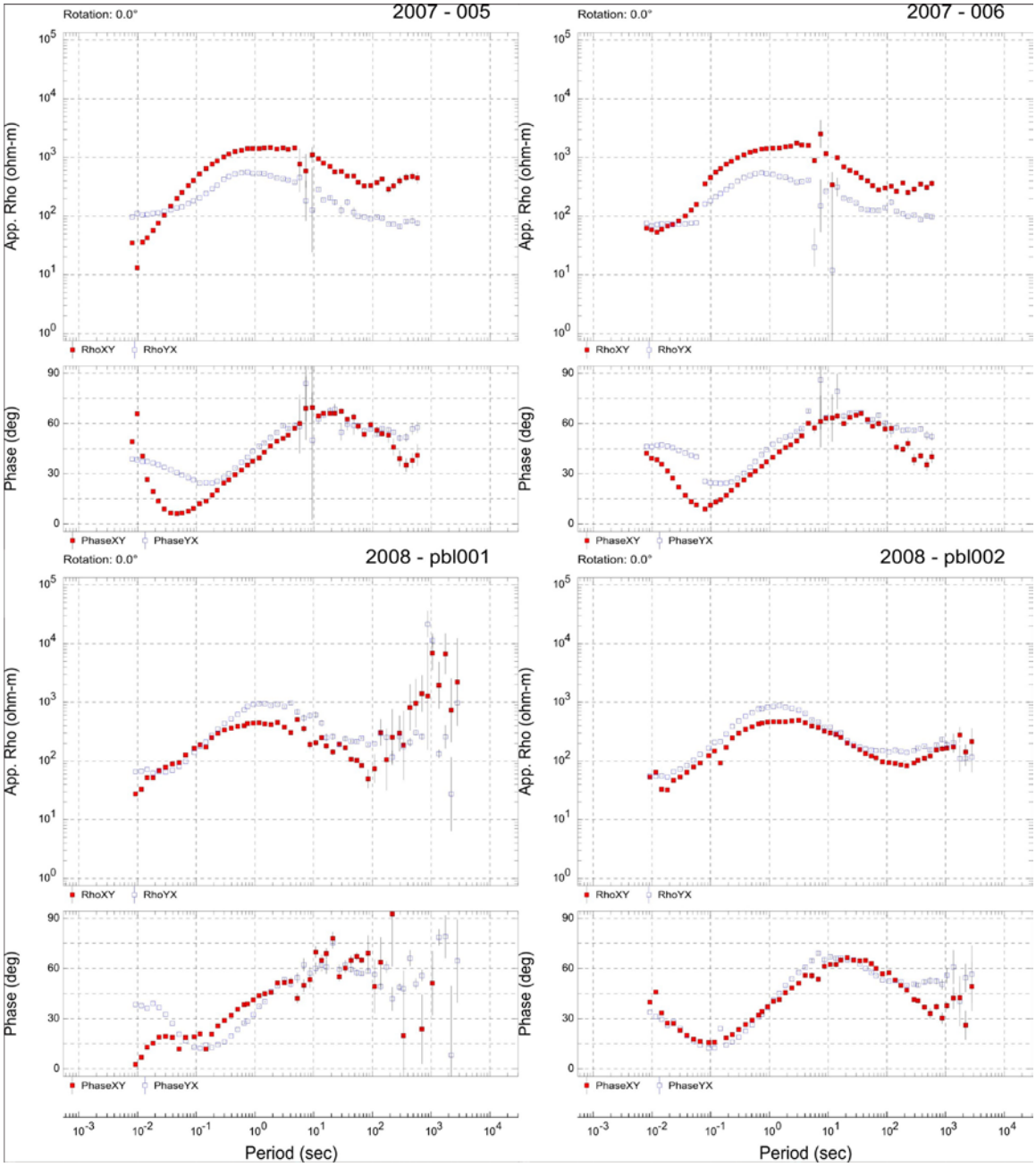

Figure A2-2 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

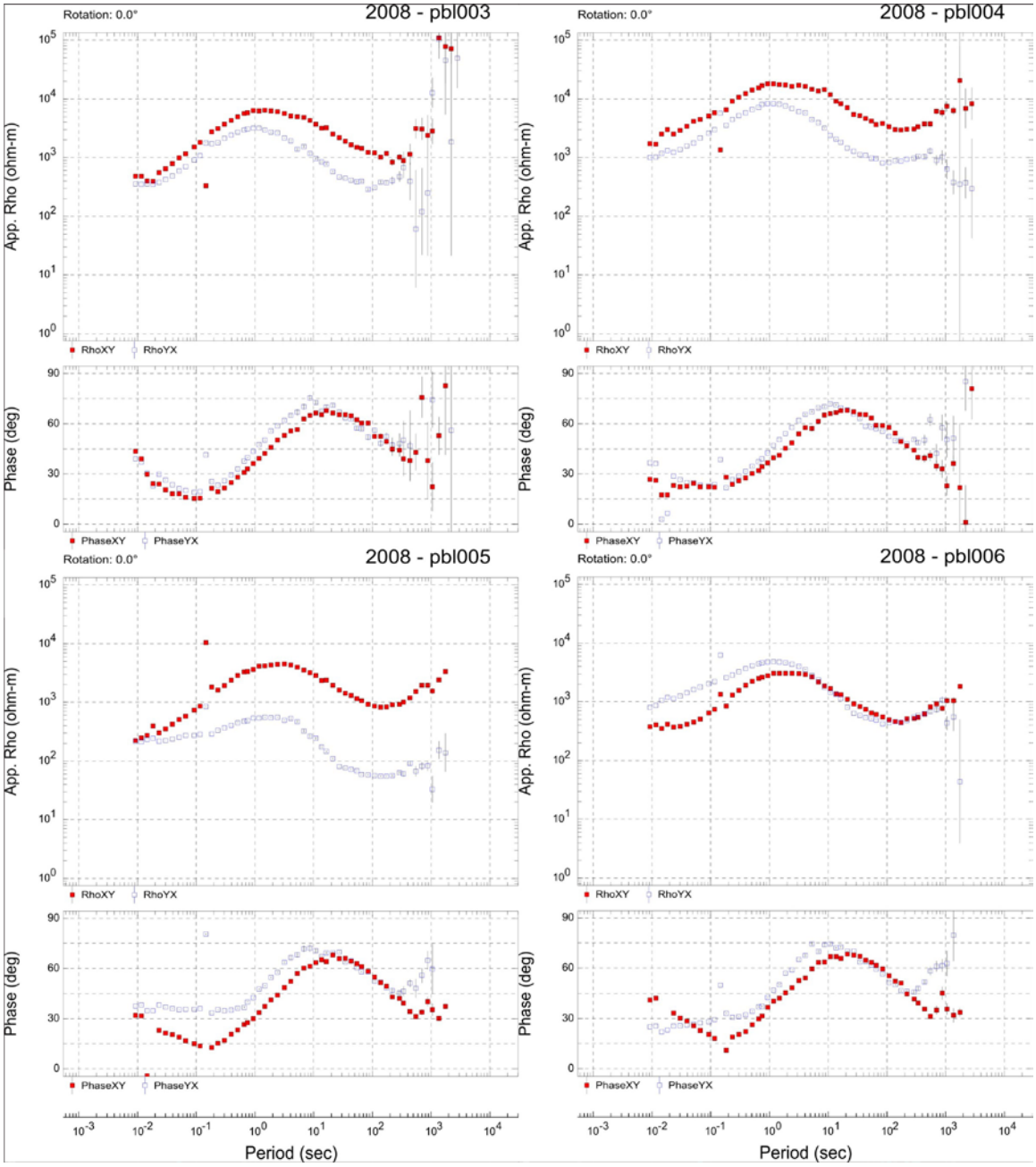

Figure A2-3 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

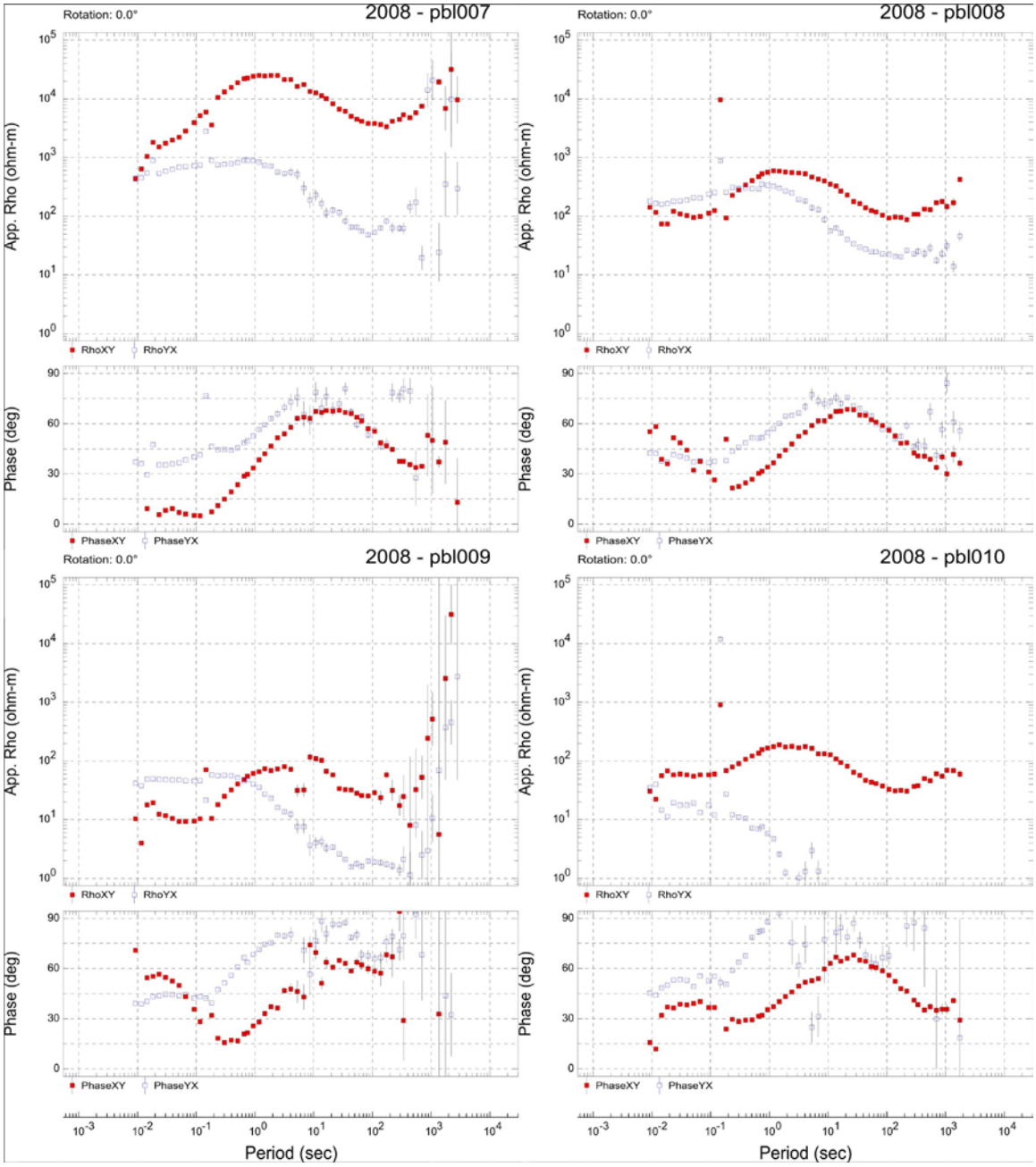

Figure A2-4 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

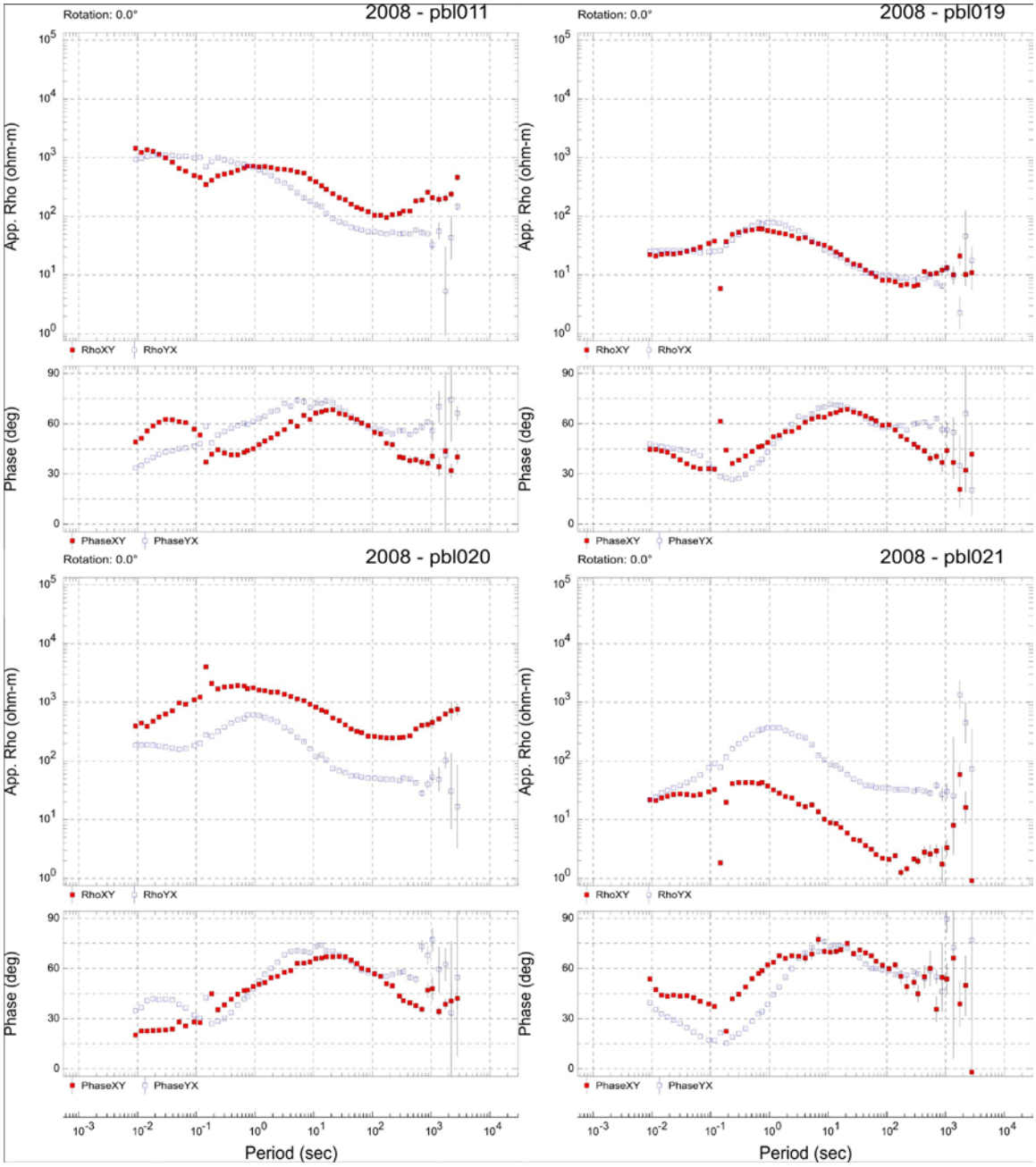

Figure A2-5 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

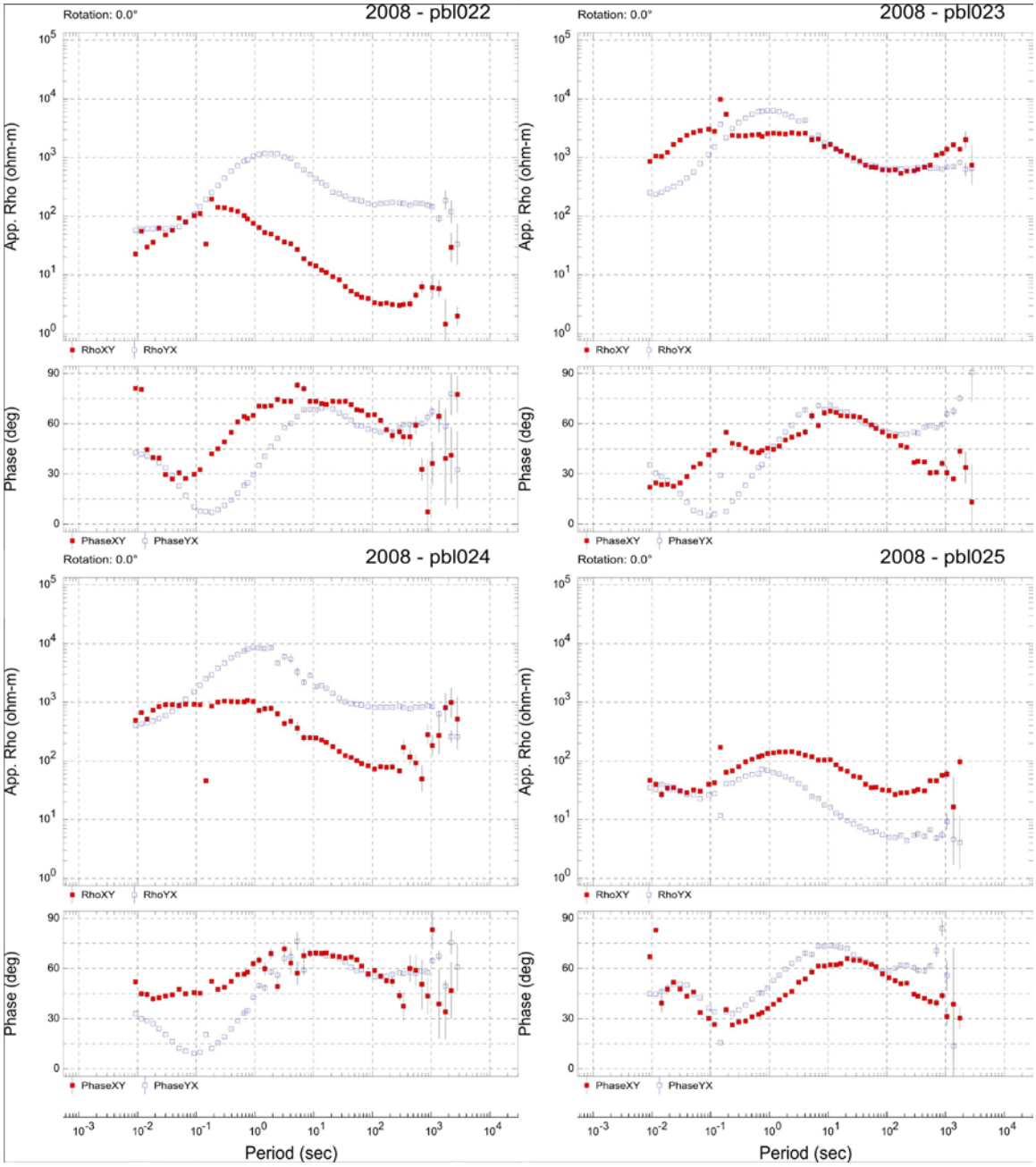

Figure A2-6 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

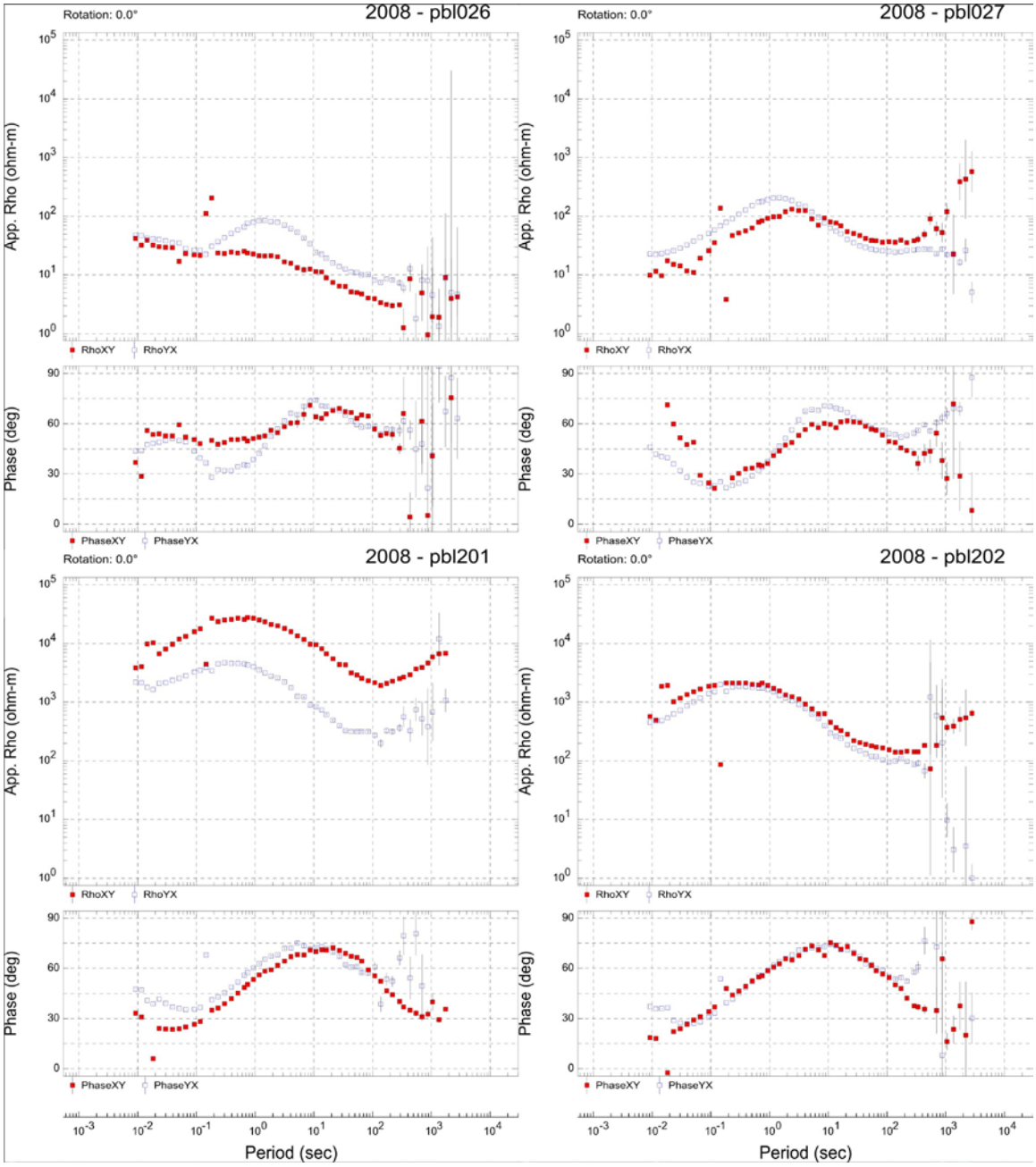

Figure A2-7 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

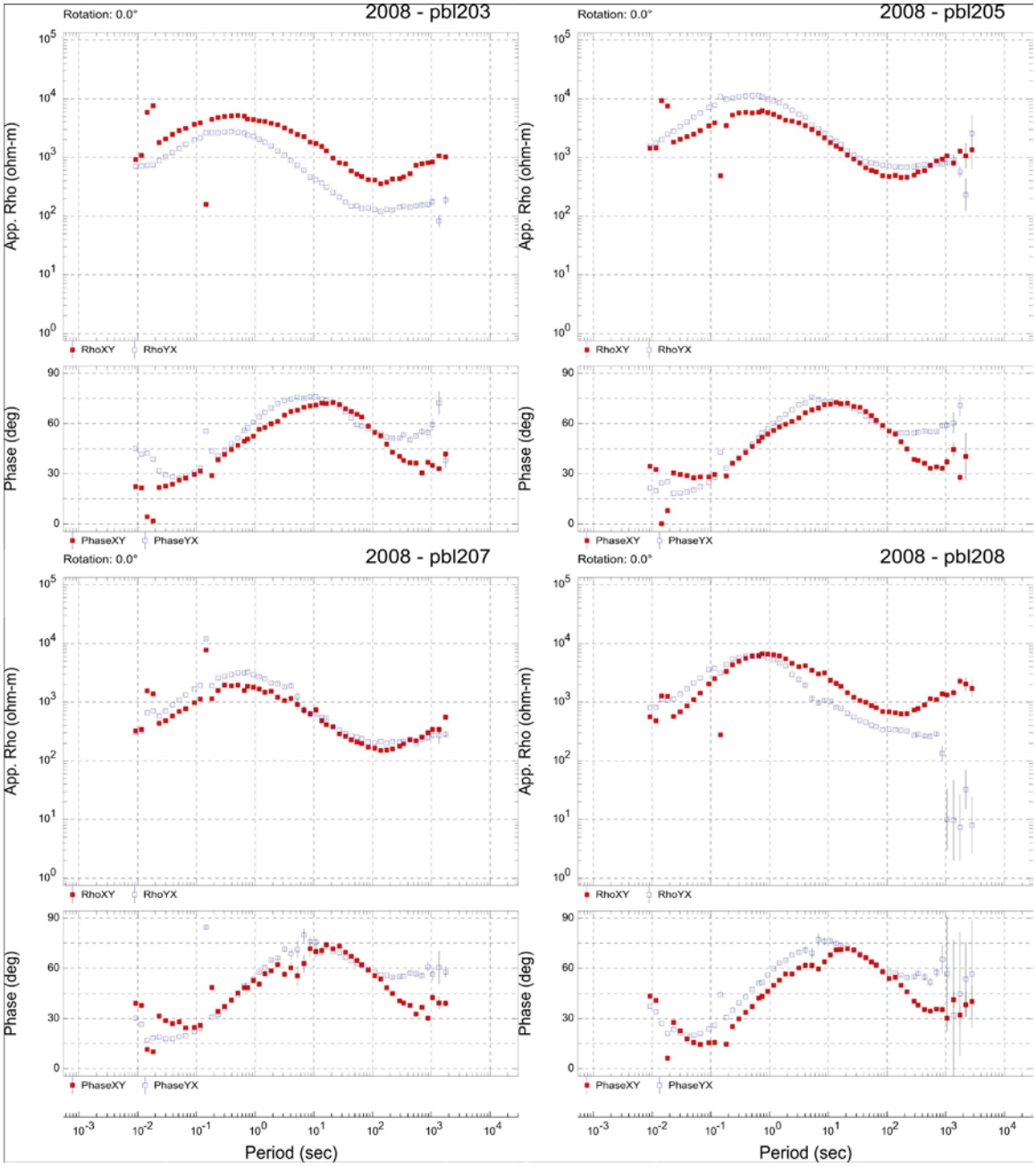

Figure A2-8 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

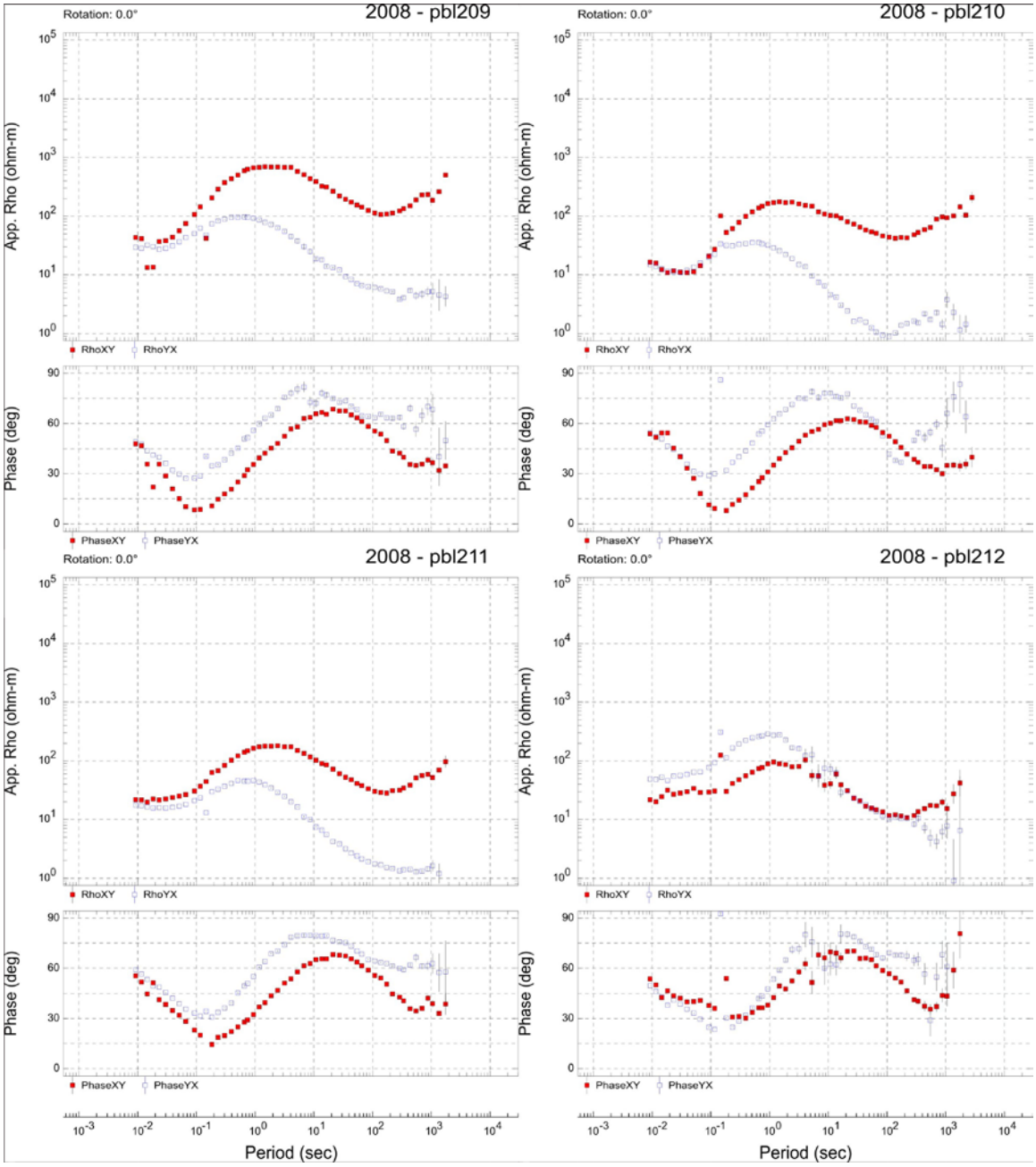

Figure A2-9 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

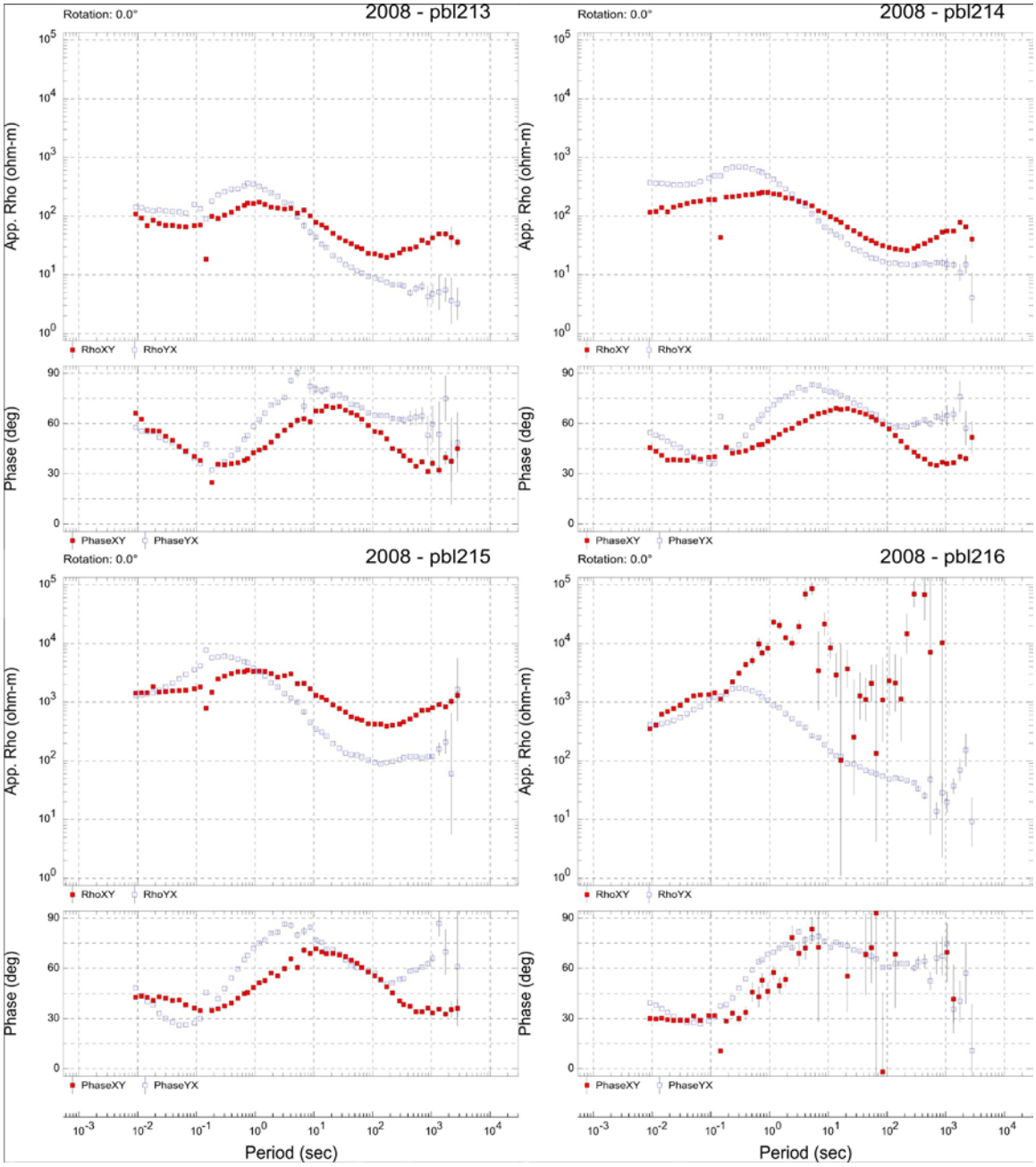

Figure A2-10 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

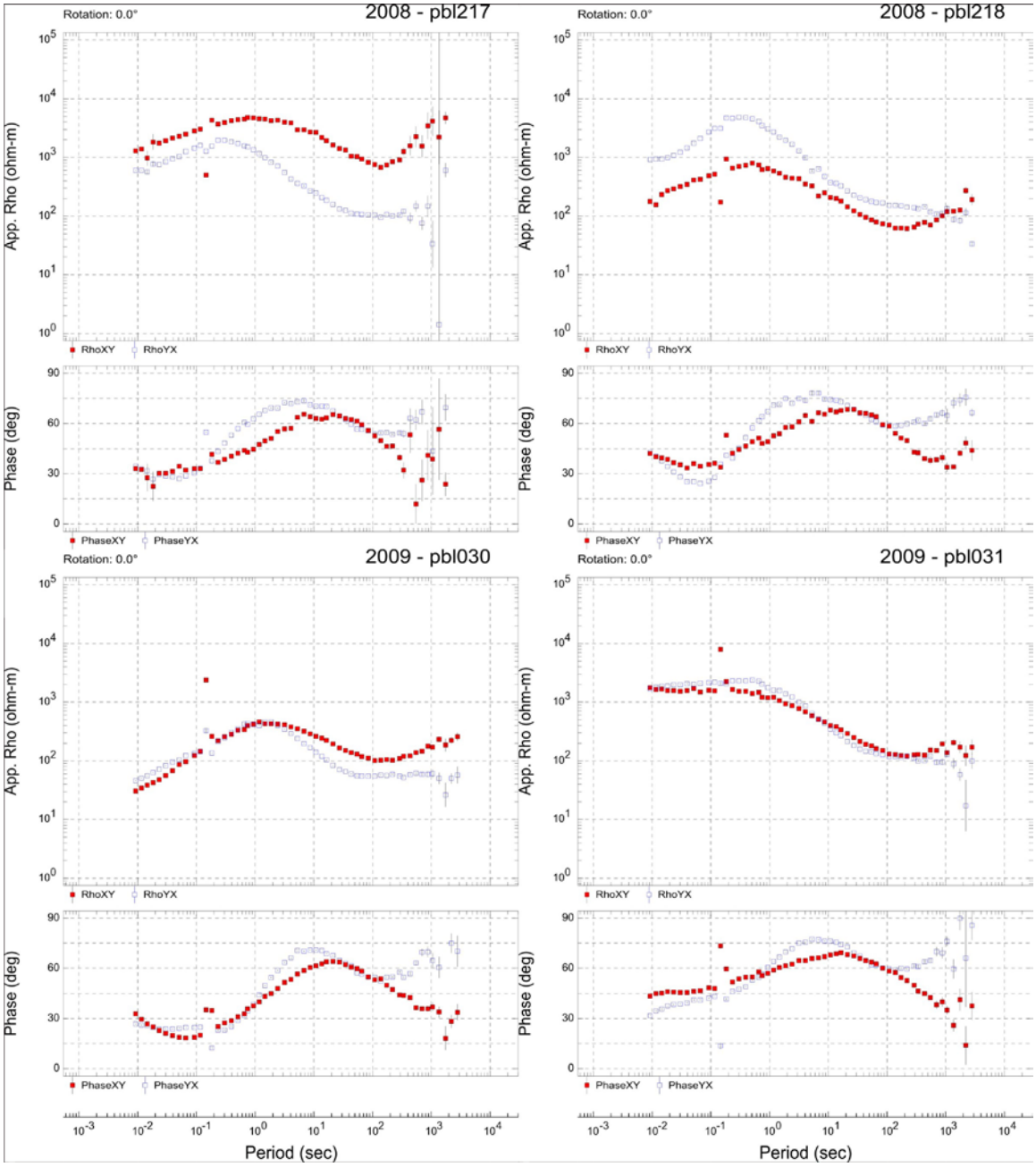

Figure A2-11 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

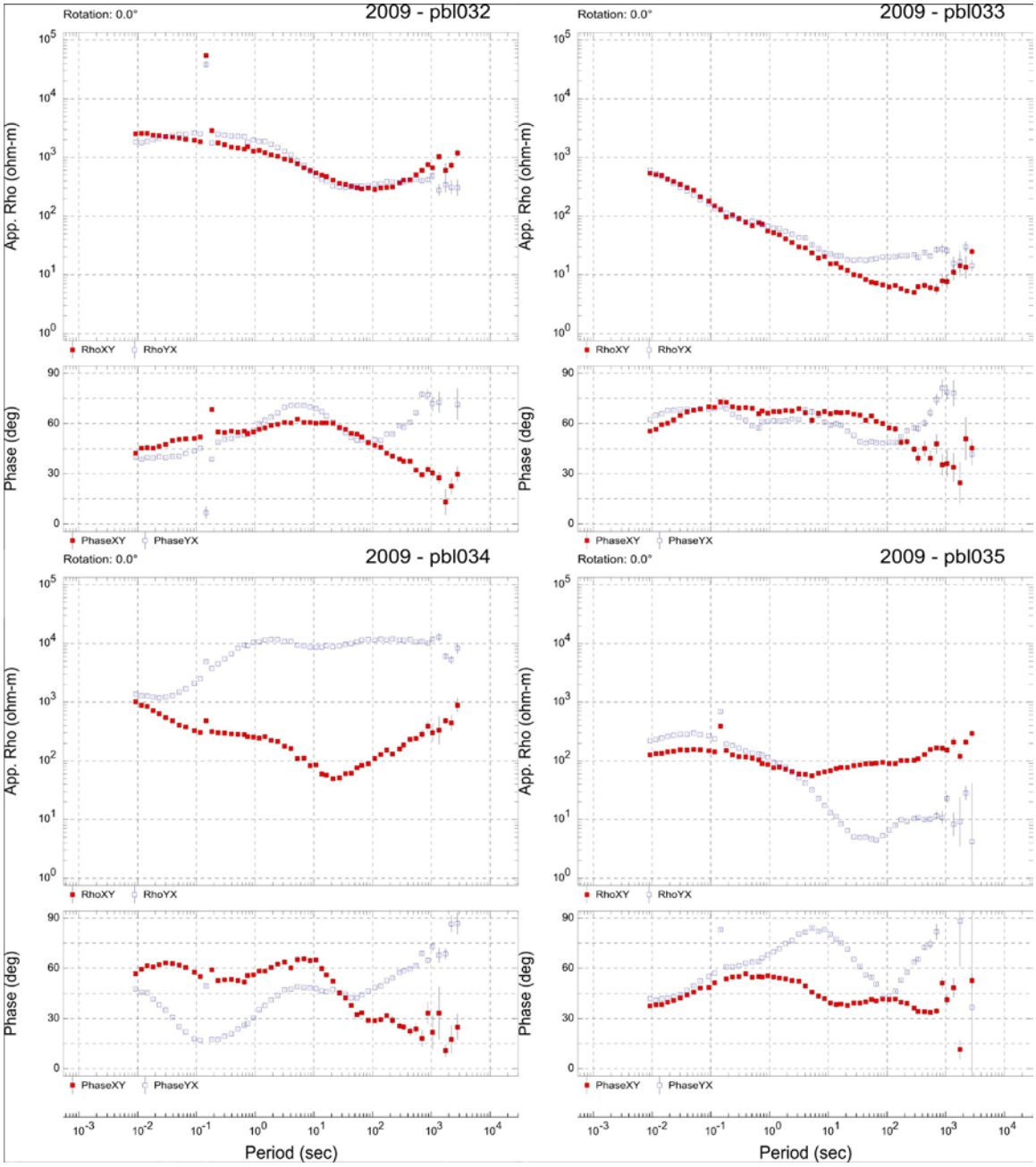

Figure A2-12 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

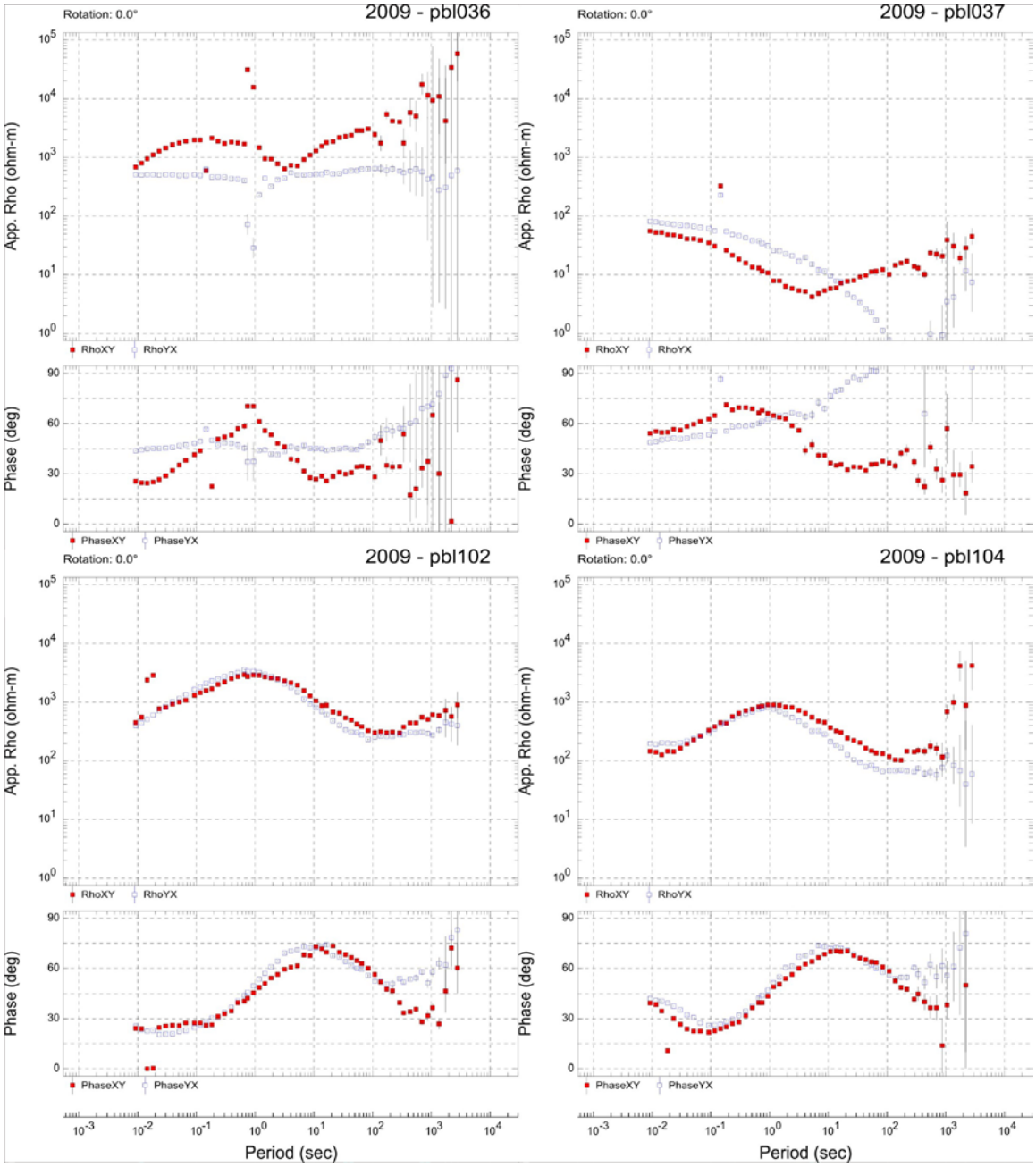

Figure A2-13 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

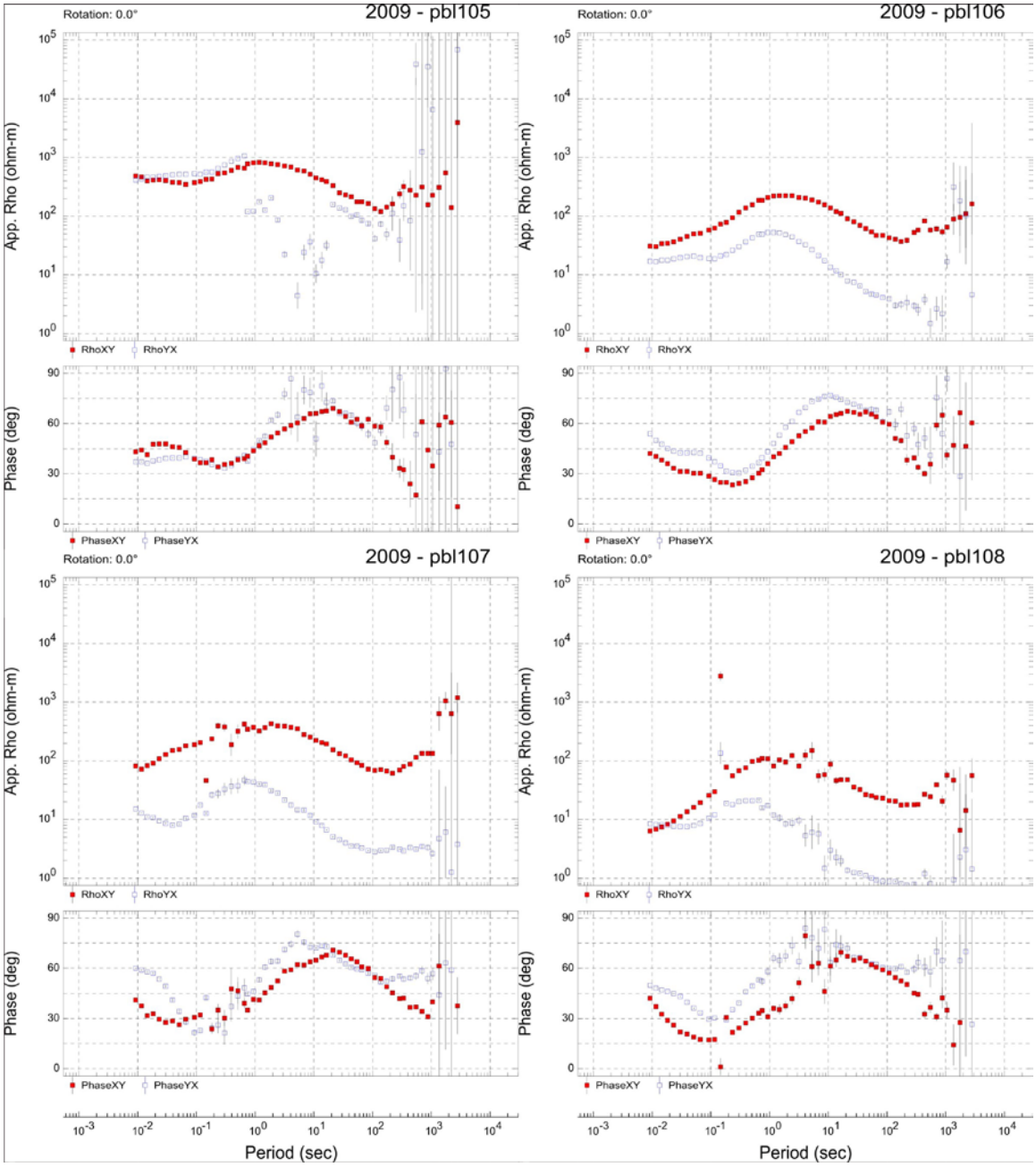

Figure A2-14 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

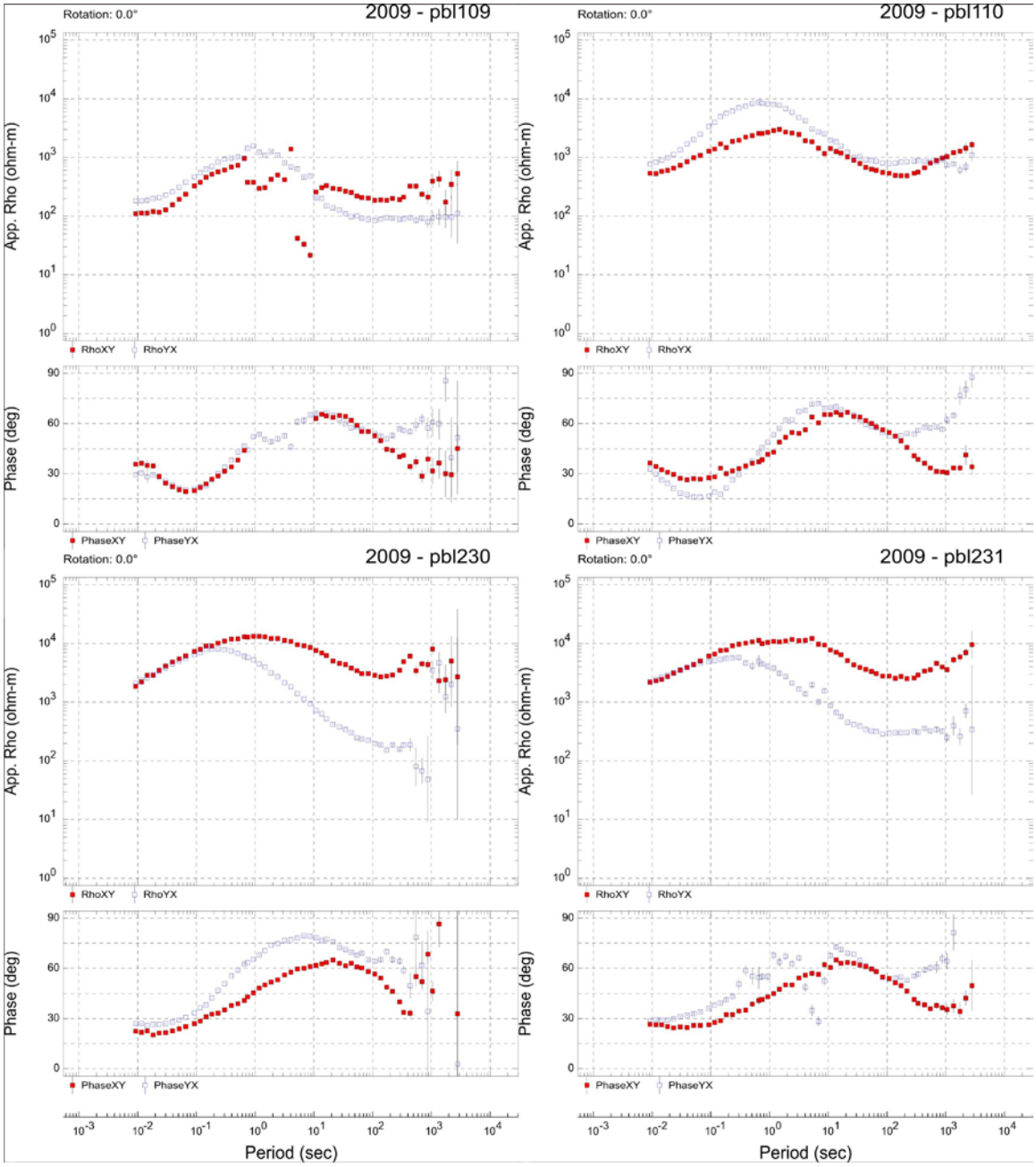

Figure A2-15– MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

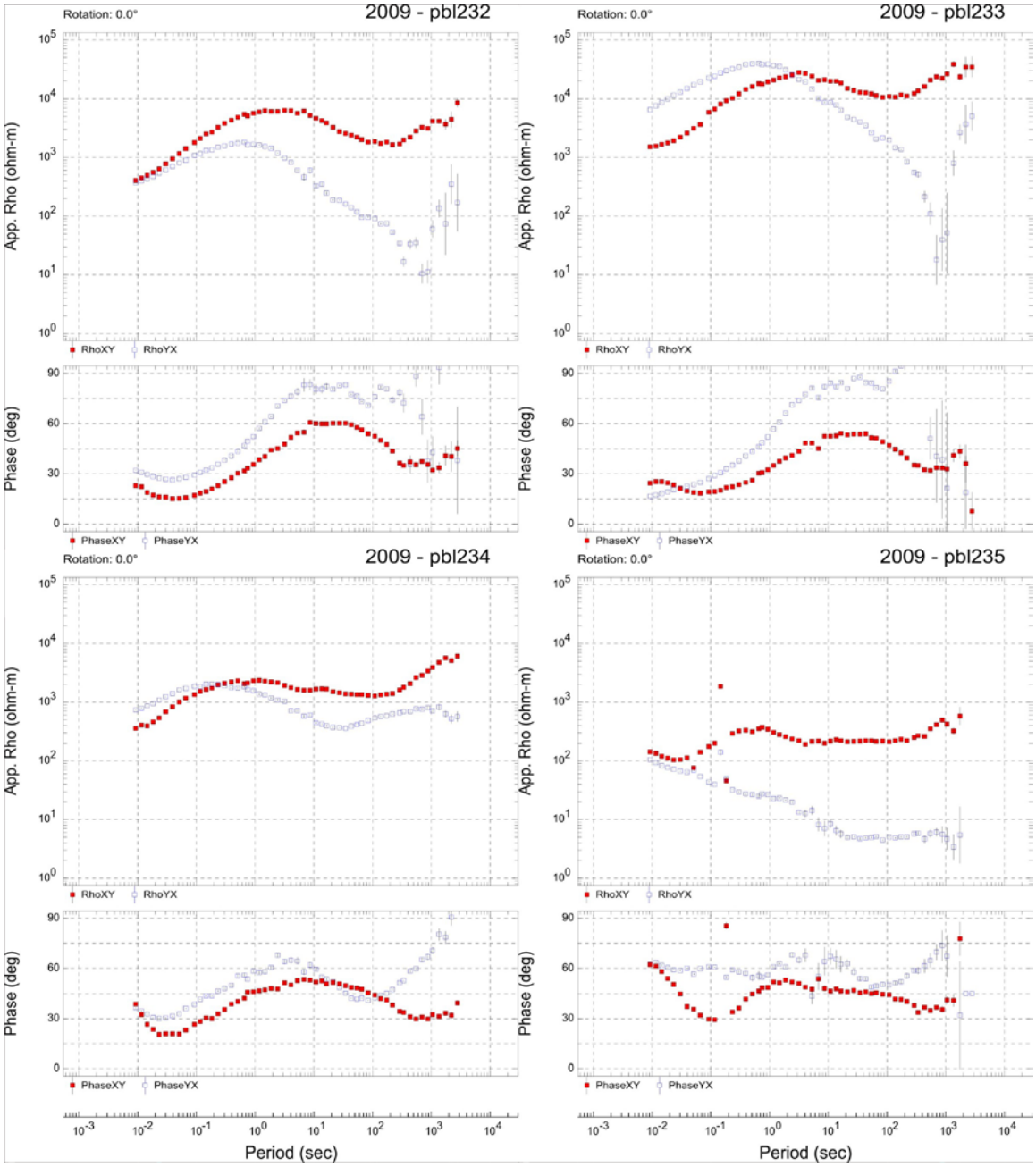

Figure A2-16 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

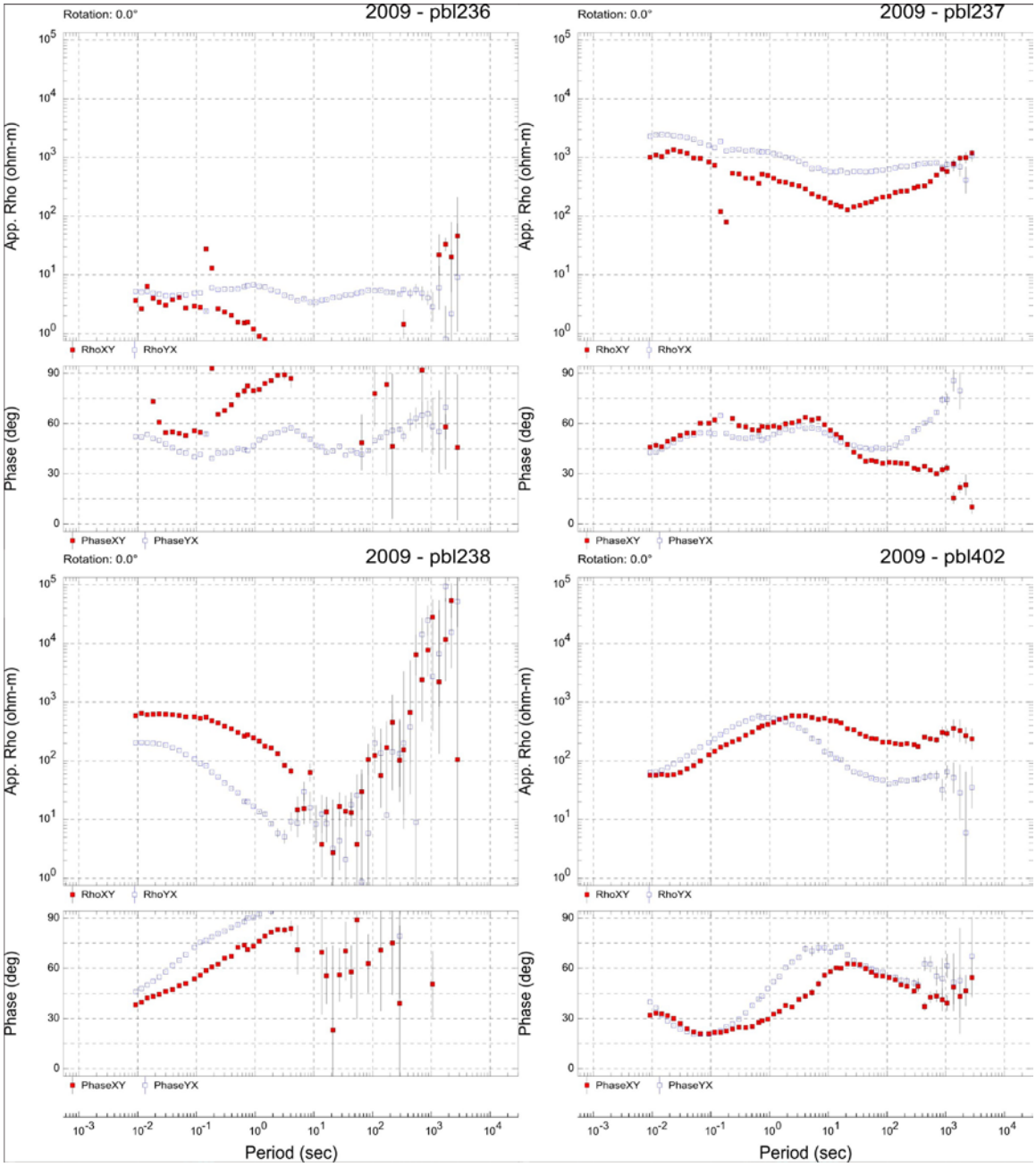

Figure A2-17 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

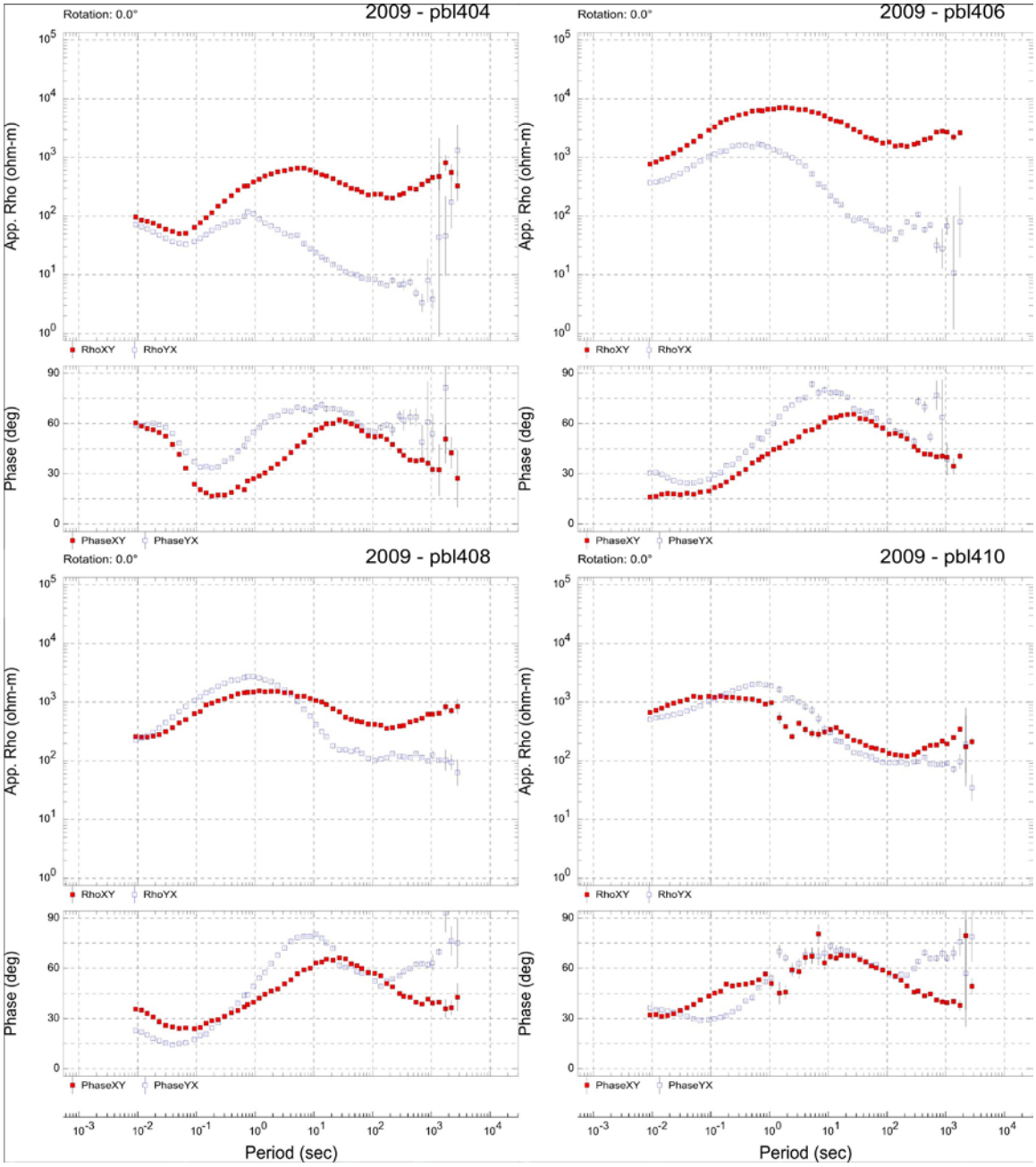

Figure A2-18 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

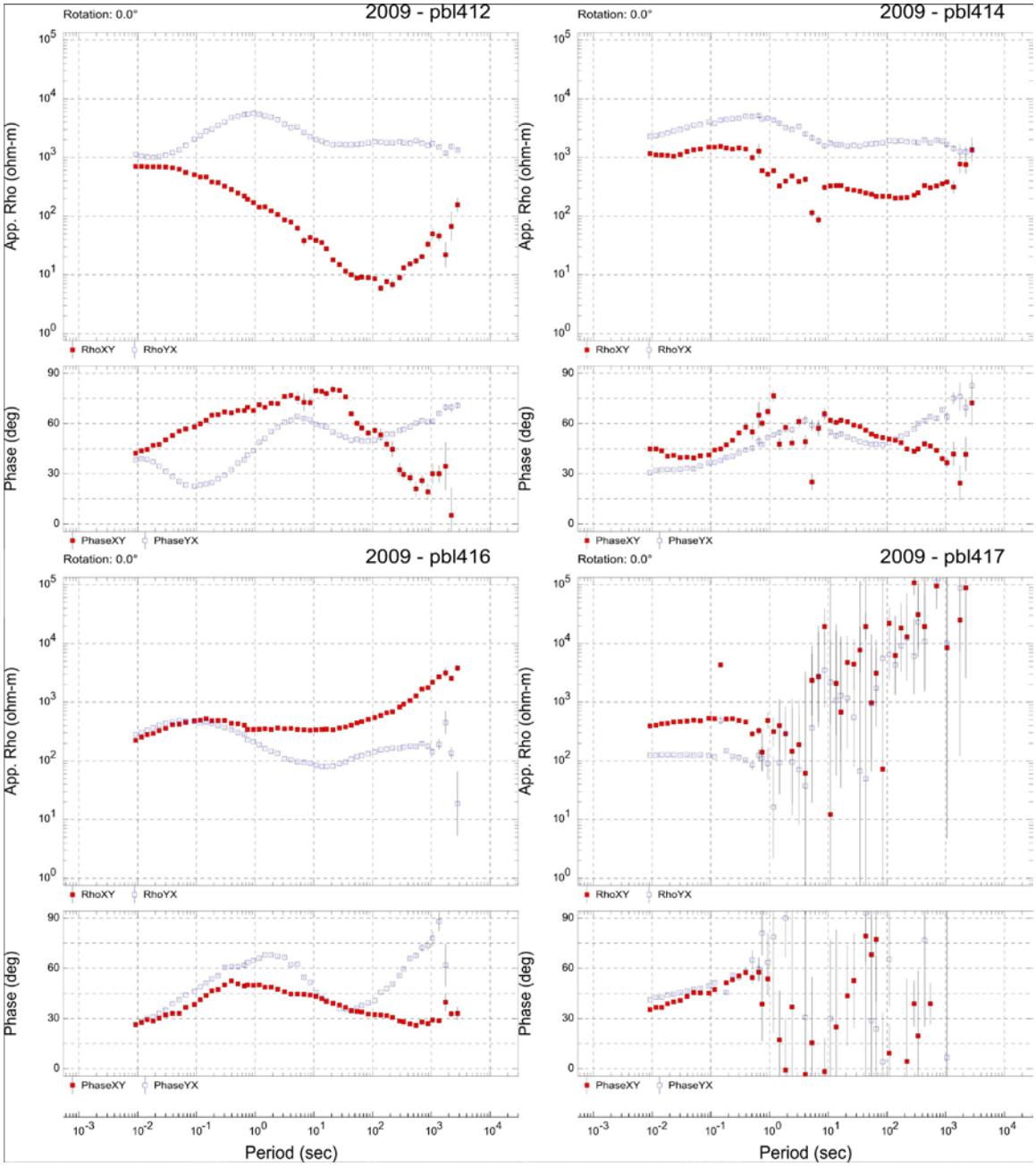

Figure A2-19 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

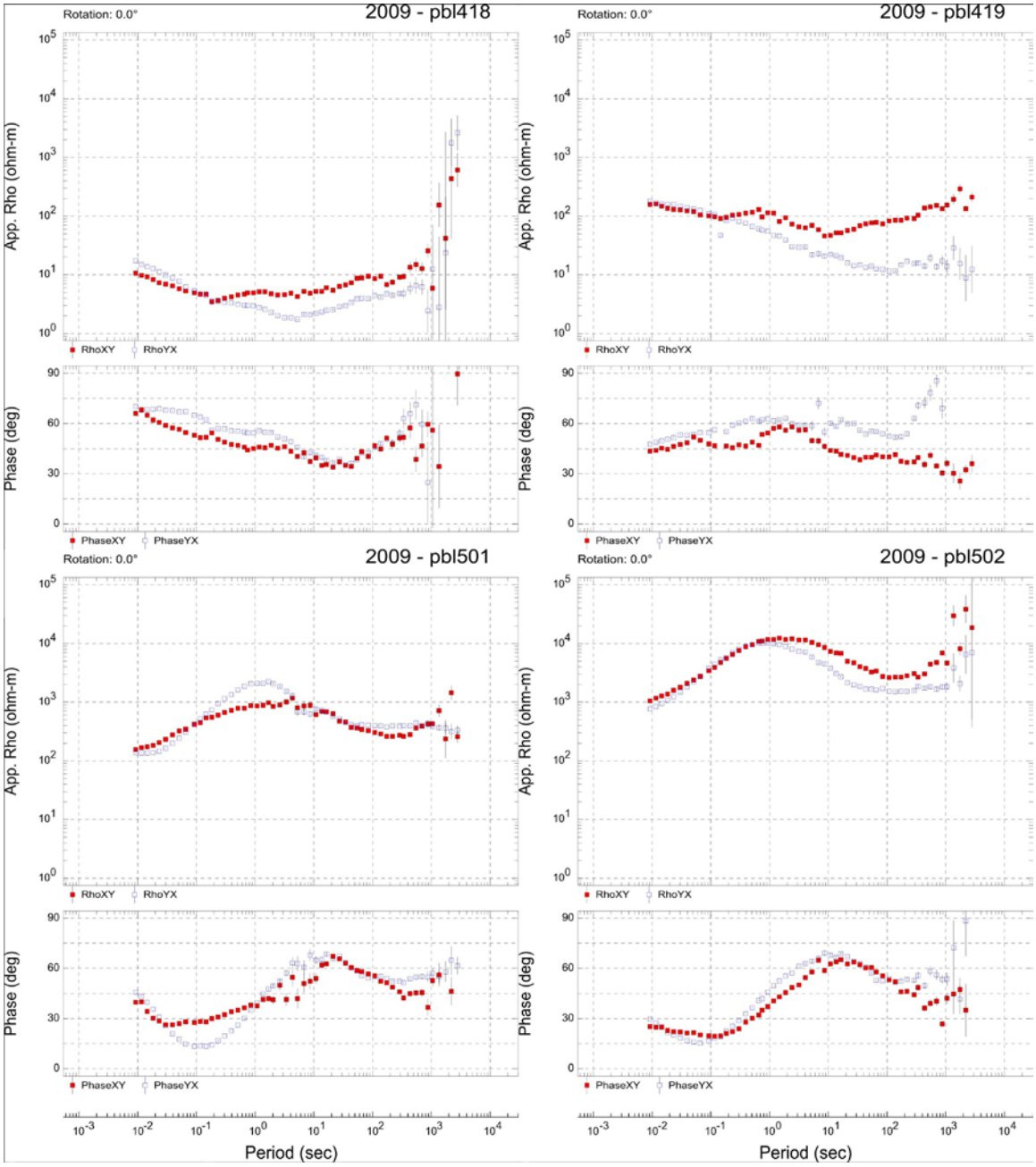

Figure A2-20 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

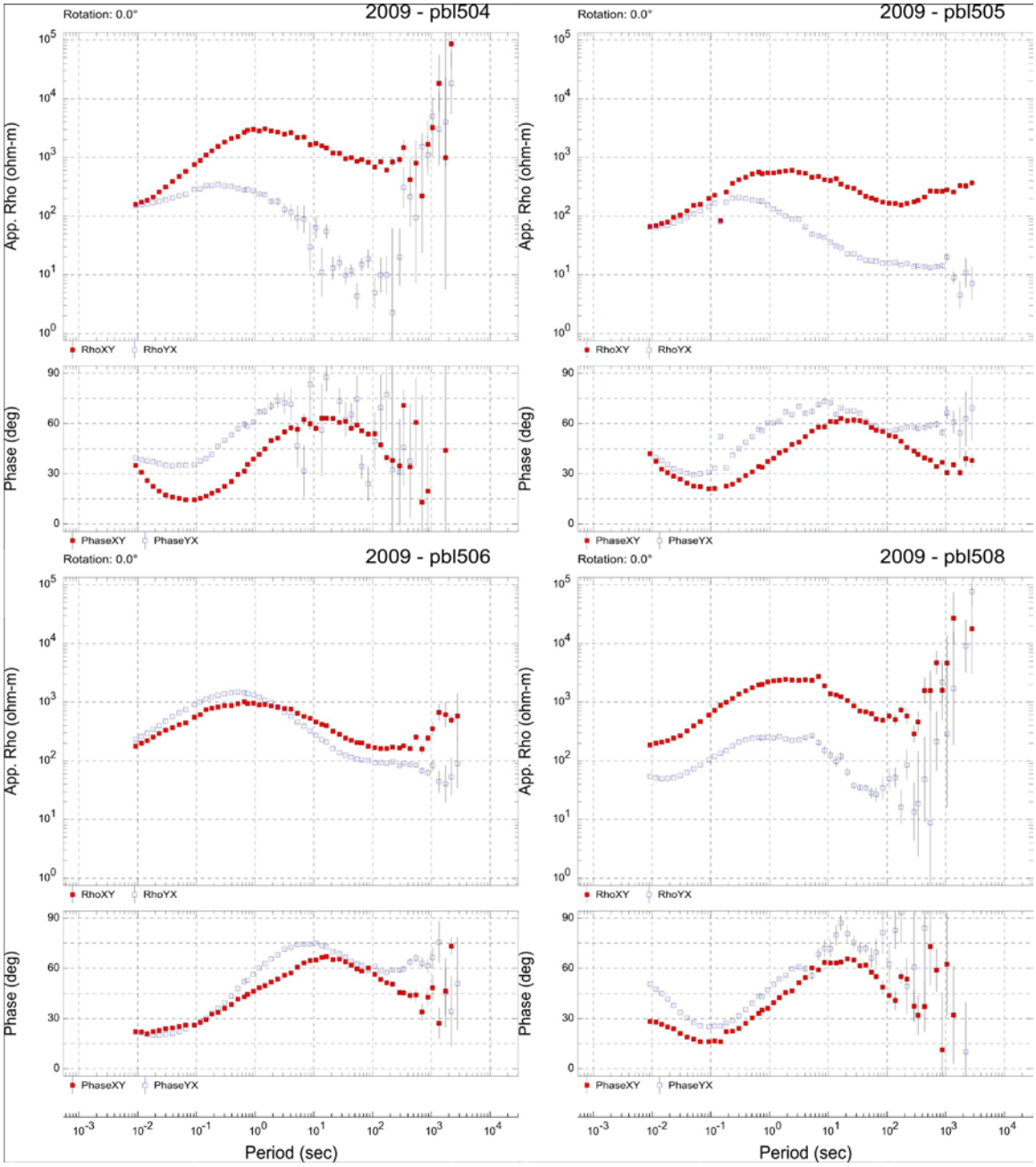

Figure A2-22 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.

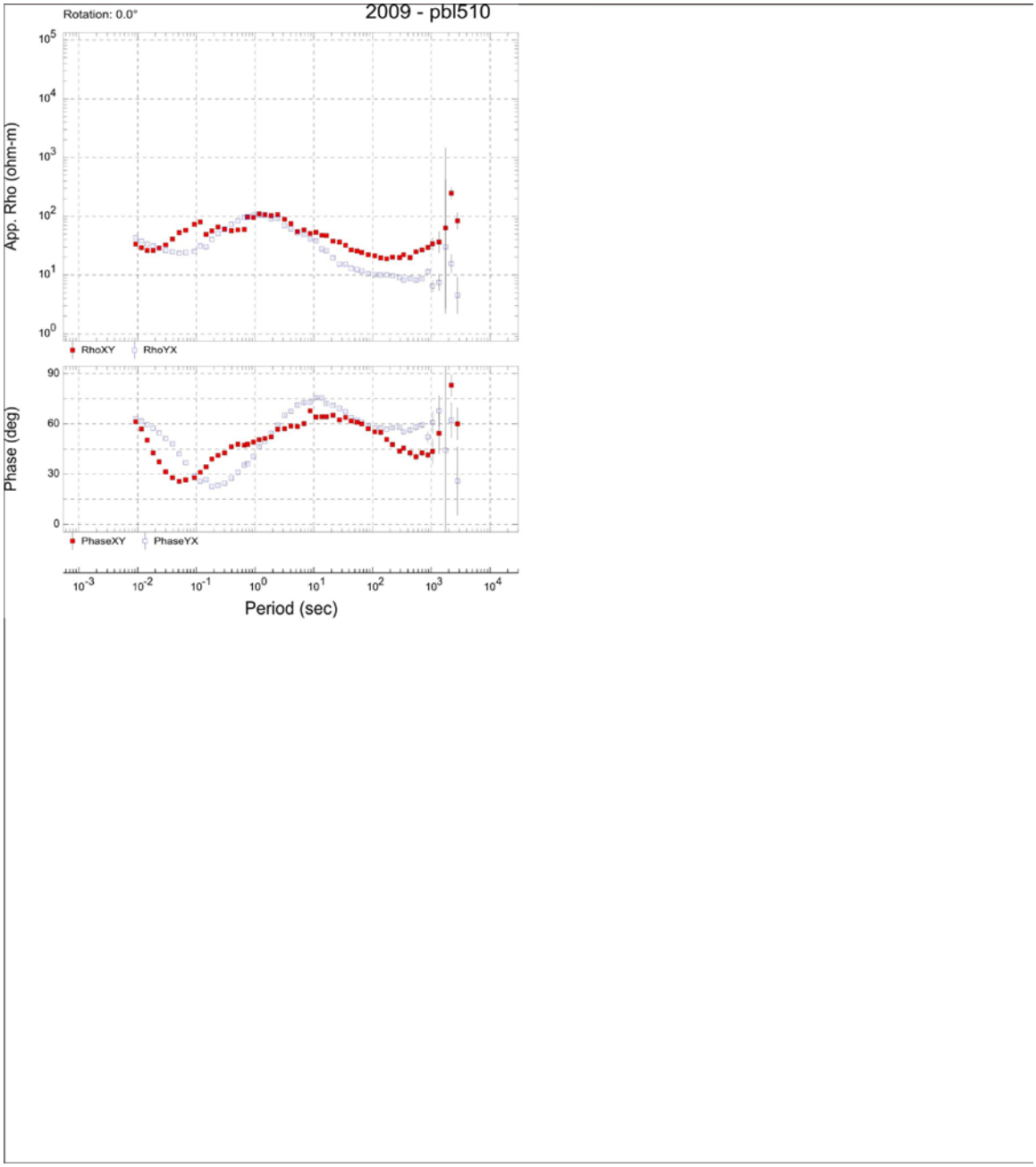

Figure A2-23 – MT apparent resistivity and phase response functions. Data are in measurement coordinates. XY (solid) and YX (outlined) correspond to off-diagonal impedance component Z_{XY} and Z_{YX}, respectively.