

FIX/FAST Market Data Channel Definitions – PUMA Production Environment

Please contact BVMF SSN (Trading Support) at tradingsupport@b3.com.br for production issues.

Channel	Book Type	Name	Market recovery		Incrementals		Instrument definition	
			UDP address	Port	UDP address	Port	UDP address	Port
BM&F BOVESPA EQUITIES – FEED A			UDP address	Port	UDP address	Port	UDP address	Port
051	MBO	Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.14.107	30051	233.252.14.108	20051	233.252.14.106	10051
151	MBP		233.252.14.109	30151	233.252.14.110	20151		
251	TOB		233.252.14.111	30251	233.252.14.112	20251		
052	MBO	Options from Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.14.114	30052	233.252.14.115	20052	233.252.14.113	10052
152	MBP		233.252.14.116	30152	233.252.14.117	20152		
252	TOB		233.252.14.118	30252	233.252.14.119	20252		
053	MBO	Oil and Bio-fuels	233.252.14.121	30053	233.252.14.122	20053	233.252.14.120	10053
153	MBP		233.252.14.123	30153	233.252.14.124	20153		
253	TOB		233.252.14.125	30253	233.252.14.126	20253		
054	MBO	Options from Oil and Bio-fuels	233.252.14.128	30054	233.252.14.129	20054	233.252.14.127	10054
154	MBP		233.252.14.130	30154	233.252.14.131	20154		
254	TOB		233.252.14.132	30254	233.252.14.133	20254		
055	MBO	Financial and Others, Holding, Financial Intermediaries and ETF's	233.252.14.135	30055	233.252.14.136	20055	233.252.14.134	10055
155	MBP		233.252.14.137	30155	233.252.14.138	20155		
255	TOB		233.252.14.139	30255	233.252.14.140	20255		
056	MBO	Options from Financial and Others, Holding, Financial Intermediaries	233.252.14.142	30056	233.252.14.143	20056	233.252.14.141	10056
156	MBP		233.252.14.144	30156	233.252.14.145	20156		
256	TOB		233.252.14.146	30256	233.252.14.147	20256		
057	MBO	Electrical Energy, Industrial Goods, Construction, Consumption, and Other Sectors	233.252.14.149	30057	233.252.14.150	20057	233.252.14.148	10057
157	MBP		233.252.14.151	30157	233.252.14.152	20157		
257	TOB		233.252.14.153	30257	233.252.14.154	20257		
058	MBO	Options from Industrial Goods, Construction, Consumption and Other Sectors	233.252.14.156	30058	233.252.14.157	20058	233.252.14.155	10058
158	MBP		233.252.14.158	30158	233.252.14.159	20158		
258	TOB		233.252.14.160	30258	233.252.14.161	20258		
059	MBO	OTC and Corporate Fixed-Income (former BovespaFIX and SomaFIX)	233.252.14.163	30059	233.252.14.164	20059	233.252.14.162	10059
159	MBP		233.252.14.165	30159	233.252.14.166	20159		
259	TOB		233.252.14.167	30259	233.252.14.168	20259		

060	MBO		233.252.14.170	30060	233.252.14.171	20060		
160	MBP	Options from IBOVESPA	233.252.14.172	30160	233.252.14.173	20160	233.252.14.169	10060
260	TOB		233.252.14.174	30260	233.252.14.175	20260		
061	MBO		BTB	233.252.14.177	30061	233.252.14.178		
062	MBO	Index	233.252.14.180	30062	233.252.14.181	20062	233.252.14.179	10062
063	MBO	News	--	--	233.252.14.182	20063	--	--
064	MBO	SPDJ – S&P Down Jones Index	233.252.14.184	30064	233.252.14.185	20064	233.252.14.183	10064
065	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.14.187	30065	233.252.14.188	20065	233.252.14.186	10065
165	MBP		233.252.14.189	30165	233.252.14.190	20165		
265	TOB		233.252.14.191	30265	233.252.14.192	20265		
066	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.14.194	30066	233.252.14.195	20066	233.252.14.193	10066
166	MBP		233.252.14.196	30166	233.252.14.197	20166		
266	TOB		233.252.14.198	30266	233.252.14.199	20266		
067	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.14.201	30067	233.252.14.202	20067	233.252.14.200	10067
167	MBP		233.252.14.203	30167	233.252.14.204	20167		
267	TOB		233.252.14.205	30267	233.252.14.206	20267		
068	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.14.208	30068	233.252.14.209	20068	233.252.14.207	10068
168	MBP		233.252.14.210	30168	233.252.14.211	20168		
268	TOB		233.252.14.212	30268	233.252.14.213	20268		
069	MBO		233.252.14.215	30069	233.252.14.216	20069	233.252.14.214	10069
169	MBP		233.252.14.217	30169	233.252.14.218	20169		
269	TOB		233.252.14.219	30269	233.252.14.220	20269		
070	MBO		233.252.14.222	30070	233.252.14.223	20070	233.252.14.221	10070
170	MBP		233.252.14.224	30170	233.252.14.225	20170		
270	TOB		233.252.14.226	30270	233.252.14.227	20270		
071	MBO		233.252.14.229	30071	233.252.14.230	20071	233.252.14.228	10071
171	MBP		233.252.14.231	30171	233.252.14.232	20171		
271	TOB		233.252.14.233	30271	233.252.14.234	20271		
072	MBO		233.252.14.236	30072	233.252.14.237	20072	233.252.14.235	10072
172	MBP		233.252.14.238	30172	233.252.14.239	20172		
272	TOB		233.252.14.240	30272	233.252.14.241	20272		

FIX/FAST Market Data Channel Definitions – PUMA DR Environment

Channel	Book Type	Name	Market recovery		Incrementals		Instrument definition	
			UDP address	Port	UDP address	Port	UDP address	Port
BM&F BOVESPA EQUITIES – FEED B			UDP address	Port	UDP address	Port	UDP address	Port
051	MBO	Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.16.107	30051	233.252.16.108	20051	233.252.16.106	10051
151	MBP		233.252.16.109	30151	233.252.16.110	20151		
251	TOB		233.252.16.111	30251	233.252.16.112	20251		
052	MBO	Options from Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.16.114	30052	233.252.16.115	20052	233.252.16.113	10052
152	MBP		233.252.16.116	30152	233.252.16.117	20152		
252	TOB		233.252.16.118	30252	233.252.16.119	20252		
053	MBO	Oil and Bio-fuels	233.252.16.121	30053	233.252.16.122	20053	233.252.16.120	10053
153	MBP		233.252.16.123	30153	233.252.16.124	20153		
253	TOB		233.252.16.125	30253	233.252.16.126	20253		
054	MBO	Options from Oil and Bio-fuels	233.252.16.128	30054	233.252.16.129	20054	233.252.16.127	10054
154	MBP		233.252.16.130	30154	233.252.16.131	20154		
254	TOB		233.252.16.132	30254	233.252.16.133	20254		
055	MBO	Financial and Others, Holding, Financial Intermediaries and ETF's	233.252.16.135	30055	233.252.16.136	20055	233.252.16.134	10055
155	MBP		233.252.16.137	30155	233.252.16.138	20155		
255	TOB		233.252.16.139	30255	233.252.16.140	20255		
056	MBO	Options from Financial and Others, Holding, Financial Intermediaries	233.252.16.142	30056	233.252.16.143	20056	233.252.16.141	10056
156	MBP		233.252.16.144	30156	233.252.16.145	20156		
256	TOB		233.252.16.146	30256	233.252.16.147	20256		
057	MBO	Electrical Energy, Industrial Goods, Construction, Consumption, and Other Sectors	233.252.16.149	30057	233.252.16.150	20057	233.252.16.148	10057
157	MBP		233.252.16.151	30157	233.252.16.152	20157		
257	TOB		233.252.16.153	30257	233.252.16.154	20257		
058	MBO	Options from Industrial Goods, Construction, Consumption and Other Sectors	233.252.16.156	30058	233.252.16.157	20058	233.252.16.155	10058
158	MBP		233.252.16.158	30158	233.252.16.159	20158		
258	TOB		233.252.16.160	30258	233.252.16.161	20258		
059	MBO	OTC and Corporate Fixed-Income (former BovespaFIX and SomaFIX)	233.252.16.163	30059	233.252.16.164	20059	233.252.16.162	10059
159	MBP		233.252.16.165	30159	233.252.16.166	20159		
259	TOB		233.252.16.167	30259	233.252.16.168	20259		
060	MBO	Options from IBOVESPA	233.252.16.170	30060	233.252.16.171	20060	233.252.16.169	10060
160	MBP		233.252.16.172	30160	233.252.16.173	20160		
260	TOB		233.252.16.174	30260	233.252.16.175	20260		
061	MBO	BTB	233.252.16.177	30061	233.252.16.178	20061	233.252.16.176	10061

062	MBO	Index	233.252.16.180	30062	233.252.16.181	20062	233.252.16.179	10062
063	MBO	News	--	--	233.252.16.182	20063	--	--
064	MBO	SPDJI – S&P Down Jones Index	233.252.16.184	30064	233.252.16.185	20064	233.252.16.183	10064
065	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.16.187	30065	233.252.16.188	20065	233.252.16.186	10065
165	MBP		233.252.16.189	30165	233.252.16.190	20165		
265	TOB		233.252.16.191	30265	233.252.16.192	20265		
066	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.16.194	30066	233.252.16.195	20066	233.252.16.193	10066
166	MBP		233.252.16.196	30166	233.252.16.197	20166		
266	TOB		233.252.16.198	30266	233.252.16.199	20266		
067	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.16.201	30067	233.252.16.202	20067	233.252.16.200	10067
167	MBP		233.252.16.203	30167	233.252.16.204	20167		
267	TOB		233.252.16.205	30267	233.252.16.206	20267		
068	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.16.208	30068	233.252.16.209	20068	233.252.16.207	10068
168	MBP		233.252.16.210	30168	233.252.16.211	20168		
268	TOB		233.252.16.212	30268	233.252.16.213	20268		
069	MBO		233.252.16.215	30069	233.252.16.216	20069	233.252.16.214	10069
169	MBP		233.252.16.217	30169	233.252.16.218	20169		
269	TOB		233.252.16.219	30269	233.252.16.220	20269		
070	MBO		233.252.16.222	30070	233.252.16.223	20070	233.252.16.221	10070
170	MBP		233.252.16.224	30170	233.252.16.225	20170		
270	TOB		233.252.16.226	30270	233.252.16.227	20270		
071	MBO		233.252.16.229	30071	233.252.16.230	20071	233.252.16.228	10071
171	MBP		233.252.16.231	30171	233.252.16.232	20171		
271	TOB		233.252.16.233	30271	233.252.16.234	20271		
072	MBO		233.252.16.236	30072	233.252.16.237	20072	233.252.16.235	10072
172	MBP		233.252.16.238	30172	233.252.16.239	20172		
272	TOB		233.252.16.240	30272	233.252.16.241	20272		

FIX/FAST Market Data Channel Definitions – PUMA New DR Environment

Channel	Book Type	Name	Market recovery		Incrementals		Instrument definition	
			UDP address	Port	UDP address	Port	UDP address	Port
BM&F BOVESPA EQUITIES – FEED C			UDP address	Port	UDP address	Port	UDP address	Port
051	MBO	Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.17.107	30051	233.252.17.108	20051	233.252.17.106	10051
151	MBP		233.252.17.109	30151	233.252.17.110	20151		
251	TOB		233.252.17.111	30251	233.252.17.112	20251		
052	MBO	Options from Mining, Steel, Metallurgy, Financial and Basic Materials	233.252.17.114	30052	233.252.17.115	20052	233.252.17.113	10052
152	MBP		233.252.17.116	30152	233.252.17.117	20152		
252	TOB		233.252.17.118	30252	233.252.17.119	20252		
053	MBO	Oil and Bio-fuels	233.252.17.121	30053	233.252.17.122	20053	233.252.17.120	10053
153	MBP		233.252.17.123	30153	233.252.17.124	20153		
253	TOB		233.252.17.125	30253	233.252.17.126	20253		
054	MBO	Options from Oil and Bio-fuels	233.252.17.128	30054	233.252.17.129	20054	233.252.17.127	10054
154	MBP		233.252.17.130	30154	233.252.17.131	20154		
254	TOB		233.252.17.132	30254	233.252.17.133	20254		
055	MBO	Financial and Others, Holding, Financial Intermediaries and ETF's	233.252.17.135	30055	233.252.17.136	20055	233.252.17.134	10055
155	MBP		233.252.17.137	30155	233.252.17.138	20155		
255	TOB		233.252.17.139	30255	233.252.17.140	20255		
056	MBO	Options from Financial and Others, Holding, Financial Intermediaries	233.252.17.142	30056	233.252.17.143	20056	233.252.17.141	10056
156	MBP		233.252.17.144	30156	233.252.17.145	20156		
256	TOB		233.252.17.146	30256	233.252.17.147	20256		
057	MBO	Electrical Energy, Industrial Goods, Construction, Consumption, and Other Sectors	233.252.17.149	30057	233.252.17.150	20057	233.252.17.148	10057
157	MBP		233.252.17.151	30157	233.252.17.152	20157		
257	TOB		233.252.17.153	30257	233.252.17.154	20257		
058	MBO	Options from Industrial Goods, Construction, Consumption and Other Sectors	233.252.17.156	30058	233.252.17.157	20058	233.252.17.155	10058
158	MBP		233.252.17.158	30158	233.252.17.159	20158		
258	TOB		233.252.17.160	30258	233.252.17.161	20258		
059	MBO	OTC and Corporate Fixed-Income (former BovespaFIX and SomaFIX)	233.252.17.163	30059	233.252.17.164	20059	233.252.17.162	10059
159	MBP		233.252.17.165	30159	233.252.17.166	20159		
259	TOB		233.252.17.167	30259	233.252.17.168	20259		
060	MBO	Options from IBOVESPA	233.252.17.170	30060	233.252.17.171	20060	233.252.17.169	10060
160	MBP		233.252.17.172	30160	233.252.17.173	20160		
260	TOB		233.252.17.174	30260	233.252.17.175	20260		
061	MBO	BTB	233.252.17.177	30061	233.252.17.178	20061	233.252.17.176	10061

062	MBO	Index	233.252.17.180	30062	233.252.17.181	20062	233.252.17.179	10062
063	MBO	News	--	--	233.252.17.182	20063	--	--
064	MBO	SPDJI – S&P Down Jones Index	233.252.17.184	30064	233.252.17.185	20064	233.252.17.183	10064
065	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.17.187	30065	233.252.17.188	20065	233.252.17.186	10065
165	MBP		233.252.17.189	30165	233.252.17.190	20165		
265	TOB		233.252.17.191	30265	233.252.17.192	20265		
066	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.17.194	30066	233.252.17.195	20066	233.252.17.193	10066
166	MBP		233.252.17.196	30166	233.252.17.197	20166		
266	TOB		233.252.17.198	30266	233.252.17.199	20266		
067	MBO	Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.17.201	30067	233.252.17.202	20067	233.252.17.200	10067
167	MBP		233.252.17.203	30167	233.252.17.204	20167		
267	TOB		233.252.17.205	30267	233.252.17.206	20267		
068	MBO	Options from Industrial Goods, Construction, Consumption, Transport and Other Sectors	233.252.17.208	30068	233.252.17.209	20068	233.252.17.207	10068
168	MBP		233.252.17.210	30168	233.252.17.211	20168		
268	TOB		233.252.17.212	30268	233.252.17.213	20268		
069	MBO		233.252.17.215	30069	233.252.17.216	20069	233.252.17.214	10069
169	MBP		233.252.17.217	30169	233.252.17.218	20169		
269	TOB		233.252.17.219	30269	233.252.17.220	20269		
070	MBO		233.252.17.222	30070	233.252.17.223	20070	233.252.17.221	10070
170	MBP		233.252.17.224	30170	233.252.17.225	20170		
270	TOB		233.252.17.226	30270	233.252.17.227	20270		
071	MBO		233.252.17.229	30071	233.252.17.230	20071	233.252.17.228	10071
171	MBP		233.252.17.231	30171	233.252.17.232	20171		
271	TOB		233.252.17.233	30271	233.252.17.234	20271		
072	MBO		233.252.17.236	30072	233.252.17.237	20072	233.252.17.235	10072
172	MBP		233.252.17.238	30172	233.252.17.239	20172		
272	TOB		233.252.17.240	30272	233.252.17.241	20272		