



Qatar Seismic Network

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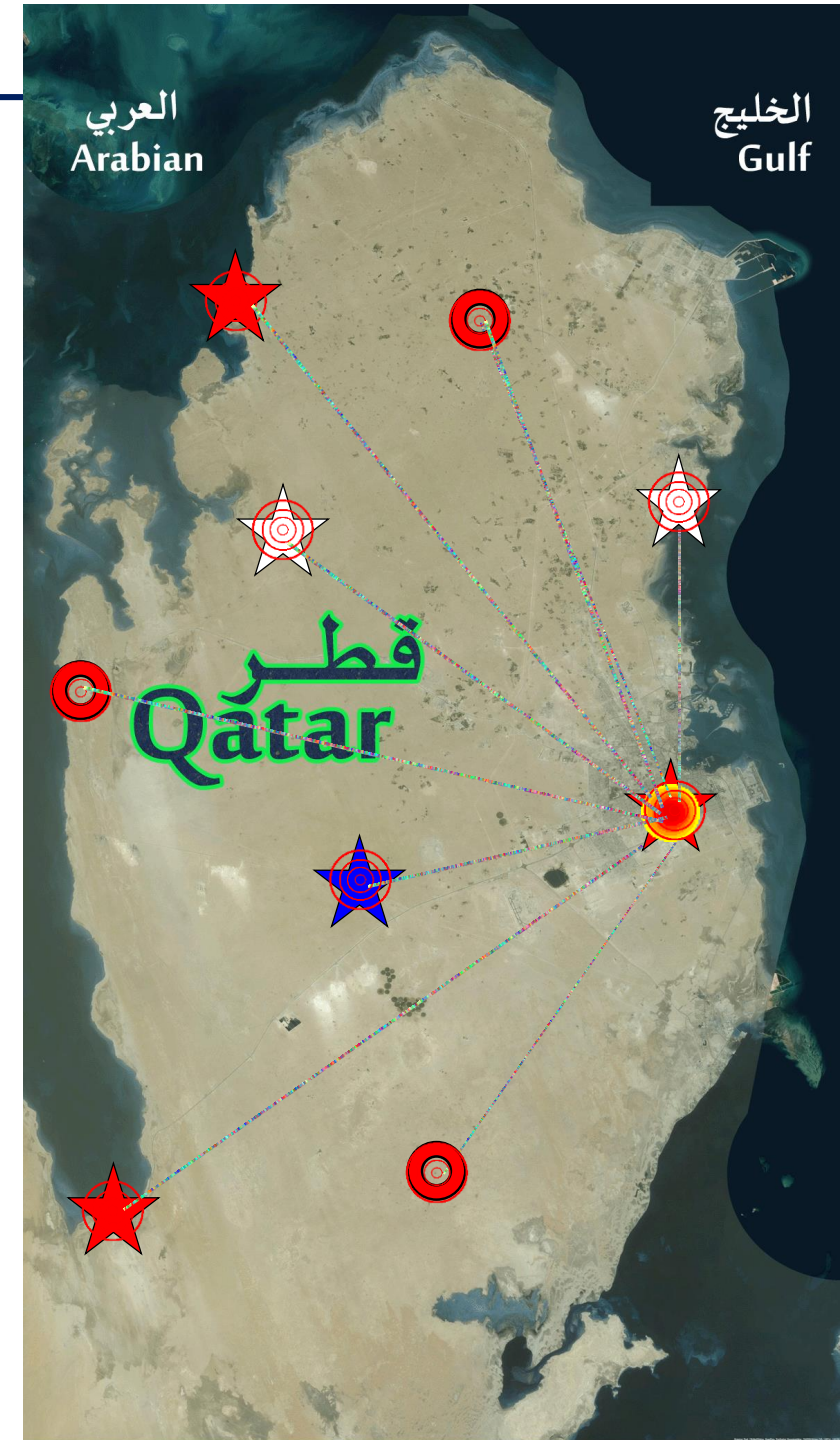
Main Components:

■ Nine Field Stations

- Three surface **vault** stations
- Three **deep borehole** stations
- Two **shallow borehole** stations
- One on **pillar** station

■ Data Center

- **Hardware**
Servers, computers, data storage media, communication units and others.
- **Software:** Antelope 5.6



dbloc wish list

- In dbloc2 GUI

- List the Prefor solutions at the list end.
- Enable scrolling by mouse **scroll wheel**.
- Deselect by drawing a box around undesired arrivals.

order	predicted														
Origins:															
		◆	Mark reviewed	◇	Leave as-is	◇	Mark NOT reviewed								
224394	Reassoc	◇	-	107478	-20.4423	177.1212	5/21/2024 (142)	9:49:52.13830	15.0000	r	oatMb	7	7	6.94	(7.90)
224395	Keep	◆	-	107478	-15.9827	172.2619	5/21/2024 (142)	9:50:03.66454	15.0000	r	oatMb	8	8	6.92	(8.90)
224396	Keep	◆	-	107482	34.2922	80.5359	5/21/2024 (142)	10:05:11.55051	15.0000	r	oatMbMwp	4	4	4.89	(4.90)
224397	Keep	◇	-	107483	29.1411	47.0796	5/21/2024 (142)	10:14:23.15111	5.0000	f	oarMb	3	3		(3.36)
224398	Keep	◆	-	107483	34.4057	30.6246	5/21/2024 (142)	10:11:08.83590	15.0000	r	oatMbMwp	4	4	4.64	(4.15)
224399	Keep	◆	-	107485	33.6458	61.2734	5/21/2024 (142)	10:21:30.11199	5.0000	f	oarMb	3	3	6.17	(3.89)

• In dbloc2 GUI

- Enable user to select the best magnitude priority manually.
- Enable fix magnitude

The screenshot displays the dbloc2 GUI interface. At the top, there is a menu bar with options: Select All, Ignore All, Ignore associated, Mark associated, Unmark, Zoom out, Original zoom, and Show Map with reporting stations. Below the menu, there are three radio buttons for event status: Mark reviewed, Leave as-is, and Mark NOT reviewed. The main data table lists several events with columns for ID, status, station, latitude, longitude, time, magnitude, depth, and other parameters. The event 224235 is highlighted in blue. Below the table, there are control panels for 'Locate' and 'Waveforms'. The 'Locate' panel includes fields for 'Station' (iasp91), 'Starting location', 'Depth' (50), and 'Fix Depth' (unchecked). The 'Waveforms' panel includes checkboxes for 'Arrivals', 'Detections', 'Predicted', and 'Synchronize', along with 'Channels' (40), 'First' (1), and 'Further' buttons.

ID	Status	Station	Latitude	Longitude	Time	Magnitude	Depth	Other	Channels	First	#	Further
224234	Keep	107382	40.7863	65.7769	5/20/2024 (141) 19:27:55.70601	15.0000	r	oatMbMwp	4	4	5.16	
224235	Keep	107382	31.2406	50.3142	5/20/2024 (141) 19:31:23.71301	185.6096	f	0.2415 oatDbg	6	6		
224238	Keep	107384	-8.4197	113.2488	5/20/2024 (141) 19:42:05.97269	15.0000	r	oatMbMwp	7	7	5.79	
224239	Keep	107384	-5.7721	109.6021	5/20/2024 (141) 19:43:31.49649	600.0000	r	oatMbMwp	8	8	5.06	
224240	Keep	107384	-5.9412	109.9899	5/20/2024 (141) 19:43:28.94088	600.0000	r	oatMbMwp	8	8	5.06	
224241	Keep	107384	-5.7721	109.6021	5/20/2024 (141) 19:43:31.43996	600.0000	r	oatMbMwp	9	9	5.05	

• In dbloc2 GUI & In dbpick

- Enable scrolling by mouse **scroll wheel**.
- If event header deleted, delete all related measurement (picks, mag,).
- Delete all magnitude

Select All | Ignore All | Ignore associated | Mark associated | Unmark | Zoom out | Original zoom | Show Map with reporting stations

Origins: Mark reviewed Leave as-is Mark NOT reviewed

224234	Keep	<input type="checkbox"/>	-	107382	40.7863	65.7769	5/20/2024	(141)	19:27:55.70601	15.0000	r		oatMbMwp	4	4	5.16
224235	Keep	<input checked="" type="checkbox"/>	-	107382	31.2406	50.3142	5/20/2024	(141)	19:31:23.71301	185.6096	f	0.2415	oarDbg	6	6	
224238	Keep	<input type="checkbox"/>	-	107384	-8.4197	113.2488	5/20/2024	(141)	19:42:05.97269	15.0000	r		oatMbMwp	7	7	5.79
224239	Keep	<input type="checkbox"/>	-	107384	-5.7721	109.6021	5/20/2024	(141)	19:43:31.49649	600.0000	r		oatMbMwp	8	8	5.06
224240	Keep	<input type="checkbox"/>	-	107384	-5.9412	109.9899	5/20/2024	(141)	19:43:28.94088	600.0000	r		oatMbMwp	8	8	5.06
224241	Keep	<input checked="" type="checkbox"/>	-	107384	-5.7721	109.6021	5/20/2024	(141)	19:43:31.43996	600.0000	r		oatMbMwp	9	9	5.05

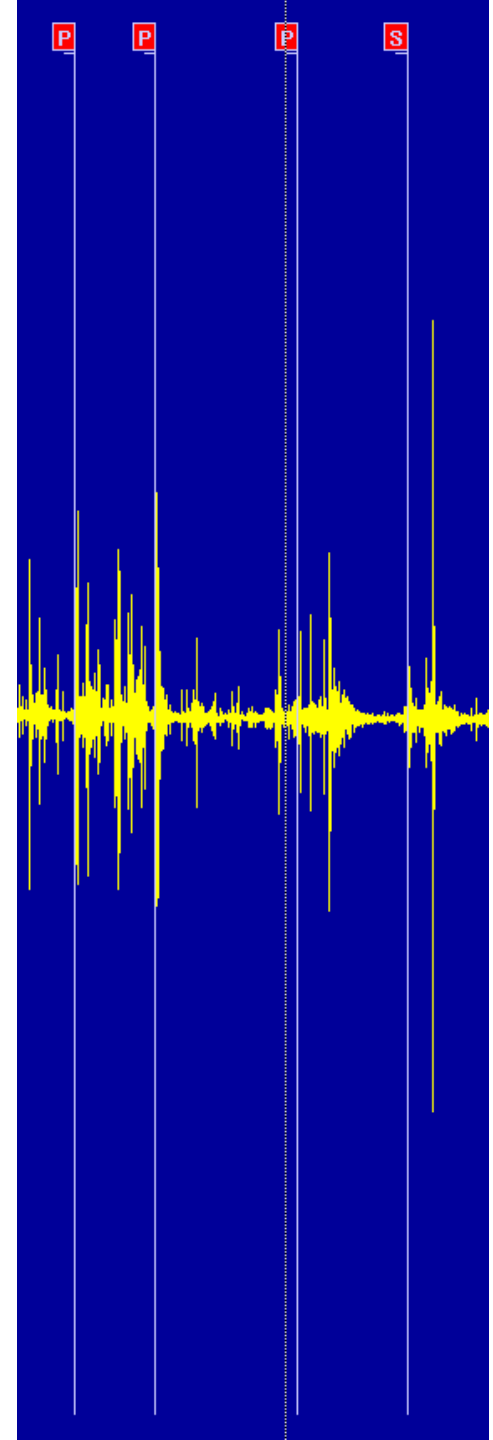
Locate dblocsat2 iasp91 Starting location: Depth 50 Fix Depth Maximum Iter 40

options Station Latitude 42.6375 Longitude 74.4942

Waveforms Arrivals Detections Predicted Synchronize Channels First # Further Arrivals channels Sh

Closer 1 40

- **Run dbloc2** for a list of selected events (i.e., run dbloc2 on the output of deselect)
- **Controlling STA/LTA** for each individual station and availability to not consider a stations detection if increased than specific value and/or occurred within specified time window. Or not consider in automatic event location. Station returns on automatically when normal records returned.



- **Shake Map problems.**
 - **Arabic languish**
 - **English languish fonts**
 - **Some report not viewed as image**

MIME-Version: 1.0
Content-Type: MULTIPART/mixed; BOUNDARY=antelope__15259

--antelope__15259
Content-Type: TEXT/plain; charset=us-ascii

This earthquake report was automatically generated by QSN at 5/25/2024 13:36:03.000 AST for event id 107660 (Afghanistan). See the attached.

--antelope__15259
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Content-Transfer-Encoding: BASE64

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Thank You