

Site Seismicity Report — (41.0100, 28.9800), radius 100 km

Generated (UTC): 2026-07-18T22:23:09.122797+00:00

Total reconciled events: 1833

 Region map

Magnitude distribution

 Magnitude histogram

Gutenberg-Richter fit

 GR curve

a-value	b-value	Mc	N (M $\geq$ Mc)	N (total)
5.921	1.051	2.70	1213	1833

Maximum historical event

- **M7.6** 4 km ESE of Derince, Turkey — 1999-08-17T00:01:39.130Z (79.8 km from site, type mwc, status single_source)

Top 20 by magnitude

Time	Mag	Type	Depth (km)	Distance (km)	Status
1999-08-17T00:01:39.130Z	7.6	mwc	17.0	79.8	single_source
2025-04-23T09:49:11.631Z	6.2	mww	12.7	69.2	single_source
1963-09-18T16:58:14.840Z	6.1	mw	30.0	37.8	single_source
1999-09-13T11:55:28.180Z	5.9	mwb	13.0	95.6	single_source
1905-10-22T03:54:31.710Z	5.8	mw	15.0	72.5	single_source
1948-11-13T04:44:49.710Z	5.7	mw	15.0	78.5	single_source
2019-09-26T10:59:25.648Z	5.7	mww	8.0	70.7	single_source
1953-06-03T16:05:33.400Z	5.7	mw	35.0	85.4	single_source
1952-03-13T06:30:00.170Z	5.4	mw	15.0	80.4	single_source
1971-05-01T13:45:28.600Z	5.3	mw	15.0	86.0	single_source
1988-04-24T20:49:33.600Z	5.3	mw	15.6	65.5	single_source
1959-04-02T04:34:28.040Z	5.2	mw	15.0	64.9	single_source
1999-08-19T15:17:45.040Z	5.2	mwc	10.0	45.6	single_source
1999-08-31T08:10:49.530Z	5.2	mwc	10.0	88.0	single_source
1999-09-29T00:13:05.580Z	5.2	mwc	10.0	43.1	single_source
2023-12-04T07:42:20.496Z	5.1	mww	10.1	64.7	single_source

Time	Mag	Type	Depth (km)	Distance (km)	Status
1981-03-12T04:05:59.180Z	5.0	ms	10.0	76.8	single_source
1999-08-17T00:16:26.150Z	5.0	mb	10.0	88.4	single_source
1999-09-09T01:32:08.120Z	5.0	mb	13.1	35.3	single_source
2006-10-24T14:00:21.670Z	5.0	mwc	9.3	66.0	single_source

Reconciliation summary

- Matched USGS<->ISC pairs: 0
- Discrepant magnitudes ($|\Delta M| > 0.3$): 0