

**GDS**  
Disseminate your achievements



# gempa Dissemination Server

**GDS**

Welcome, **sysop** [Sign out](#)

[Event Log](#)

**Event**  
rs2019gaxlib, Turkey

**# Revision**  
0

**Disseminate**  
Select subscriptions and modify content

**Subscriptions** ☒ twitter ☒ sms ☒ email

sends email notifications

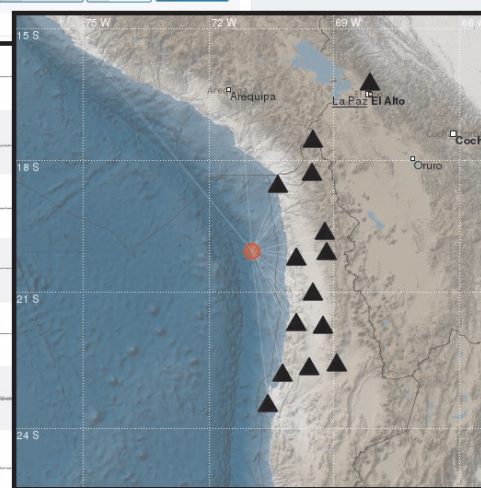
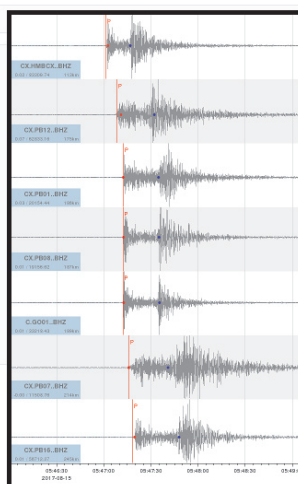
[Plain Text](#) [HTML](#) [Preview](#)

**Subject:** Event rs2019gaxlib: 4.6 (M)

**Event:**  
Public ID: rs2019gaxlib  
Description: region name: Turkey  
**Origin:**  
Date: 2019-03-27  
Time: 11:27:05.6 +/- 0.3 s  
Latitude: 37.44 deg +/- 3 km  
Longitude: 29.44 deg +/- 3 km  
Depth: 10 km  
Agency: gempa  
Mode: automatic  
Status: confirmed  
Residual RMS: 2.12 s  
Azimuthal gap: 73 deg

**1 Network magnitudes:**  
M: 4.62 12 preferred

**Attachments:**  
[epicenter.jpg](#) (110.78 kB)  
[traces.png](#) (166.90 kB)  
[overview.jpg](#) (345.62 kB)



**Disseminate**

## Inform All Your Stakeholders

gempa's communication, dissemination and publication tools, **GDS**, **QuakeLink** and **GIS** collect event information and disseminate template-based messages through various communication channels such as SMS, email, Twitter and web. Using a plugin technology they import and filter earthquake information from different sources before dissemination. Fully automatic and highly interactive dissemination are available. GDS, QuakeLink and GIS complement the functionalities of SeisComp and TOAST in the domain of dissemination of notifications and warnings. With GDS you keep your customers and stakeholders informed, saving lives and protecting essential infrastructure.

## FEATURES

- Bulletin creation from customized template
- Various communication channels, e.g. SMS, email, fax, web, Twitter
- Fine-grained access control, different roles and privileges
- Automatic and manual dissemination
- Web-based user interface
- Direct connectivity to TOAST
- Detailed logging
- High-availability mode
- Modular and expandable

**Name:** world\_big\_europe\_any

**Description:** big events world wide, europe any

☐ Manual If enabled, this queue is not active for automatic dissemination and only matches when disseminated manually in the Web frontend.

Name	Region	Evaluation Mode	Min. Phase Count	Max. Phase Count	Min. Magnitude Count	Max. Magnitude Count	Min. Magnitude	Max. Magnitude	Min. Depth	Max. Depth	Max. RMS
world wide mag 5	world	Any					5.0				
europe any	europe	Any									

[Add another Criterion](#)

Subscriber	Service	Custom Filter	Service Target	Resend	Delete?
email, world, big, europe, any, -, default, test@gempa.de					
default	email		test@gempa.de	<input type="checkbox"/>	<input type="checkbox"/>

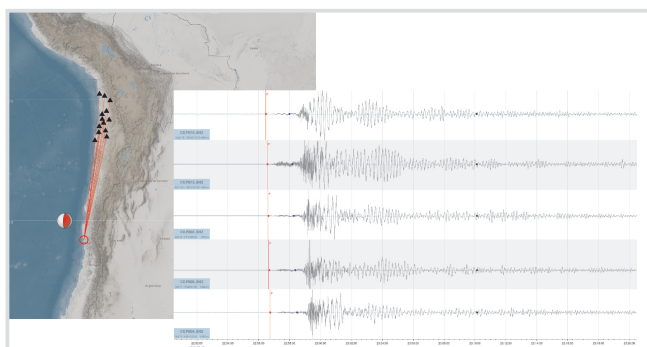
Home Stations Events Administration

### QuakeLink

2015.279#0ac16b6

Archive > 2015 > 11 > 11

Origin Time UTC	Mag	Latitude degrees	Longitude degrees	Depth km	A M	Agency	Region Name
2015-11-11 00:12:29	2.4	19.74°S	70.14°W	2	C	gempa	Tarapaca, Chile
2015-11-11 00:26:56	5.6	6.21°N	147.62°E	10	C	gempa	E. Caroline Islands, Micronesia
2015-11-11 00:49:16	2.2	21.44°S	68.69°W	91	C	gempa	Antofagasta, Chile
2015-11-11 00:50:55	2.1	21.12°S	68.72°W	118	C	gempa	Antofagasta, Chile
2015-11-11 00:57:06	1.8	20.17°S	69.67°W	5	C	gempa	Tarapaca, Chile
2015-11-11 00:58:41	2.5	20.73°S	69.19°W	94	C	gempa	Tarapaca, Chile
2015-11-11 01:04:52	2.6	21.55°S	68.73°W	138	C	gempa	Antofagasta, Chile
2015-11-11 01:15:08	1.8	21.90°S	70.18°W	66	C	gempa	Near Coast of Northern Chile
2015-11-11 01:17:47	2.1	20.69°S	68.86°W	96	C	gempa	Tarapaca, Chile
2015-11-11 01:25:05	2.5	21.44°S	68.54°W	140	C	gempa	Antofagasta, Chile
2015-11-11 01:31:26	3.4	20.23°S	70.96°W	5	C	gempa	Near Coast of Northern Chile



## GDS – Dissemination

In **GDS**, the central configuration unit is a queue having information filters and associated subscriptions. If any of a queue's criteria matches the received earthquake information, processing of the configured subscriptions is triggered. Queues can be configured to require manual review before dissemination.

## QuakeLink – Communication

**QuakeLink** is the recommended utility for communication between a SeisComp system, GDS and GAPS. It allows to exchange earthquake information in real time or in time windows and is the base for redundant SeisComp systems. QuakeLink offers plug-ins to import earthquake information from different sources.

## GIS – Image Rendering

**GIS** is a Web server rendering map and trace images for a particular earthquake. Maps can be plotted with epicenter, station and moment tensor symbols and even polygons indicating warning zones or administrative borders. Traces may be sorted and may include estimated and observed arrival times of various seismic waves.

## TECHNOLOGY

GDS consists of a set of individual modules to

- acquire earthquake information,
- filter dissemination queues,
- generate template-based message,
- automatic and interactive bulletin dissemination through various communication channels.

### New features in 2019:

- Redesigned Web interface
- dissemination summary prior to dissemination
- dissemination without events, e.g. felt reports
- content generation based on dissemination rule evaluation result
- stop of automatic dissemination after manual dissemination
- build-in support for nearest cities information

GDS connects to QuakeLink for earthquake updates. Based on predefined criteria new earthquake information are filtered and forwarded to all matching queues. Based on configurable templates bulletins are created, stored in spool directories and sent by email, SMS, fax, Web or almost any other service to the subscribed recipients. Bulletins may contain figures created by GIS. Web interfaces allow configuration, interactive bulletin dissemination and history review. The Web interfaces ship with a user management supporting assignment of fine-grained privileges to users or groups and separation of configuration and dissemination. Any modification to the configuration is tracked and can be reviewed.