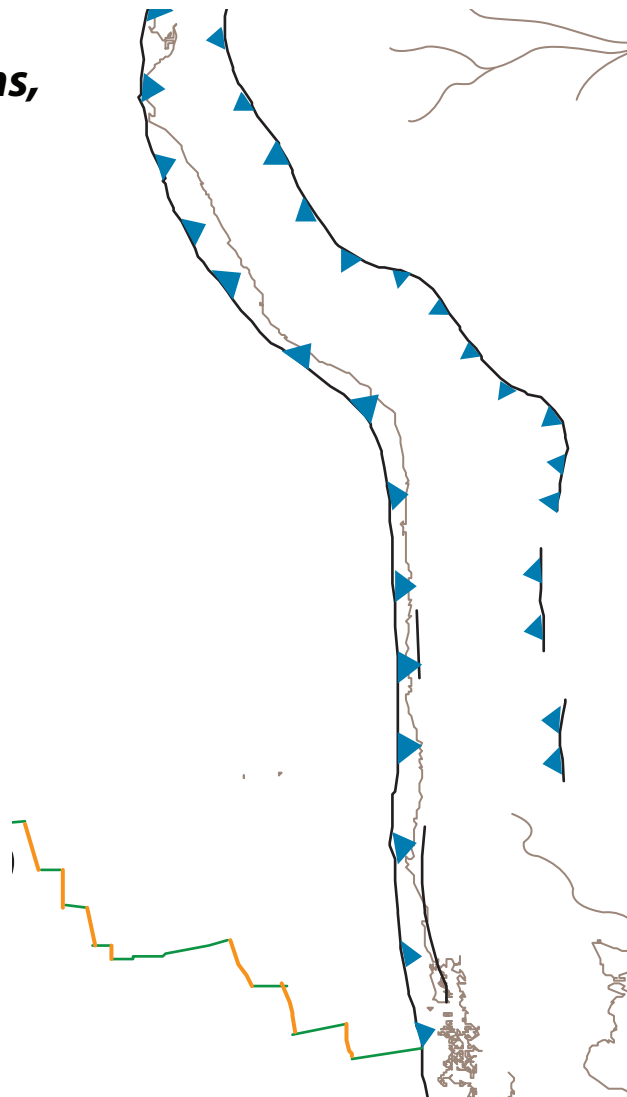


Andes Mountains, West Coast of South America



Display Modified from:
DIGITAL TECTONIC ACTIVITY MAP OF THE EARTH
Tectonism and Volcanism of the Last One Million Years

DTAM - 1







NASA/Goddard Space Flight Center
Greenbelt, Maryland 20771



Robinson Projection

October 2002

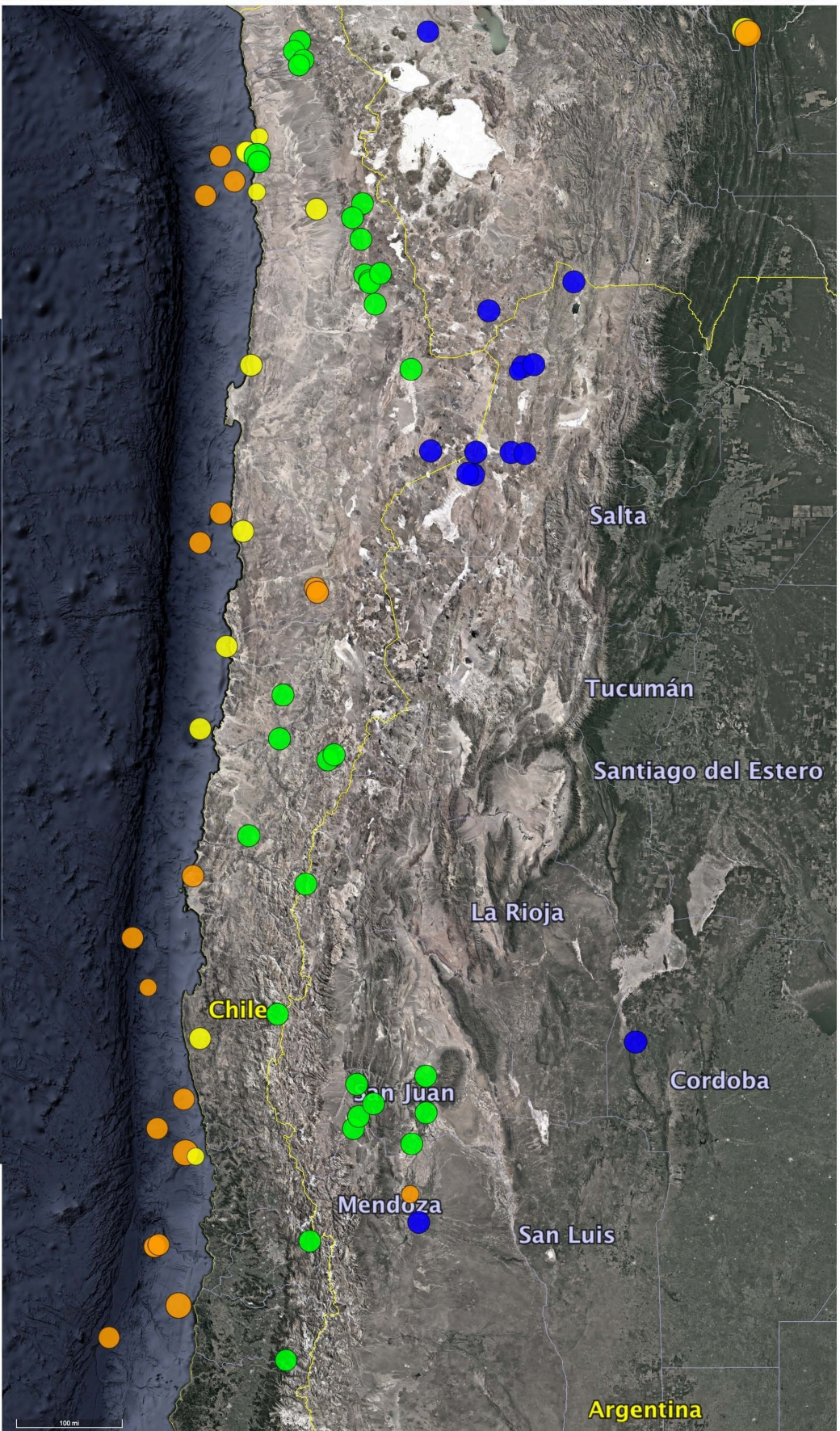
LEGEND

-  Actively-spreading ridges and transform faults
-  Total spreading rate, cm/year
-  Major active strike slip fault or fault zone
-  Normal fault or rift; hachures on downthrown side
-  Reverse fault (overthrust, subduction zones); generalized; barbs on upthrown side
-  Major active fault or fault zone where nature, location, or activity are uncertain

**Central Andes
Mountains,
West Coast of
South America**



Display:
All Earthquakes
magnitudes >2.5
Only shows 1 month
June 23, 2020 to
July 23, 2020



Central Andes Mountains, West Coast of South America



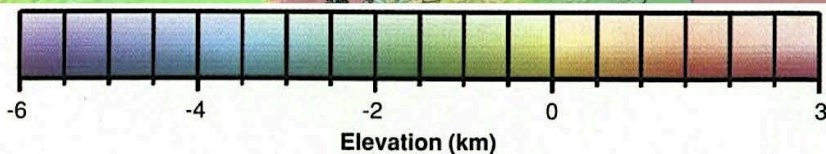
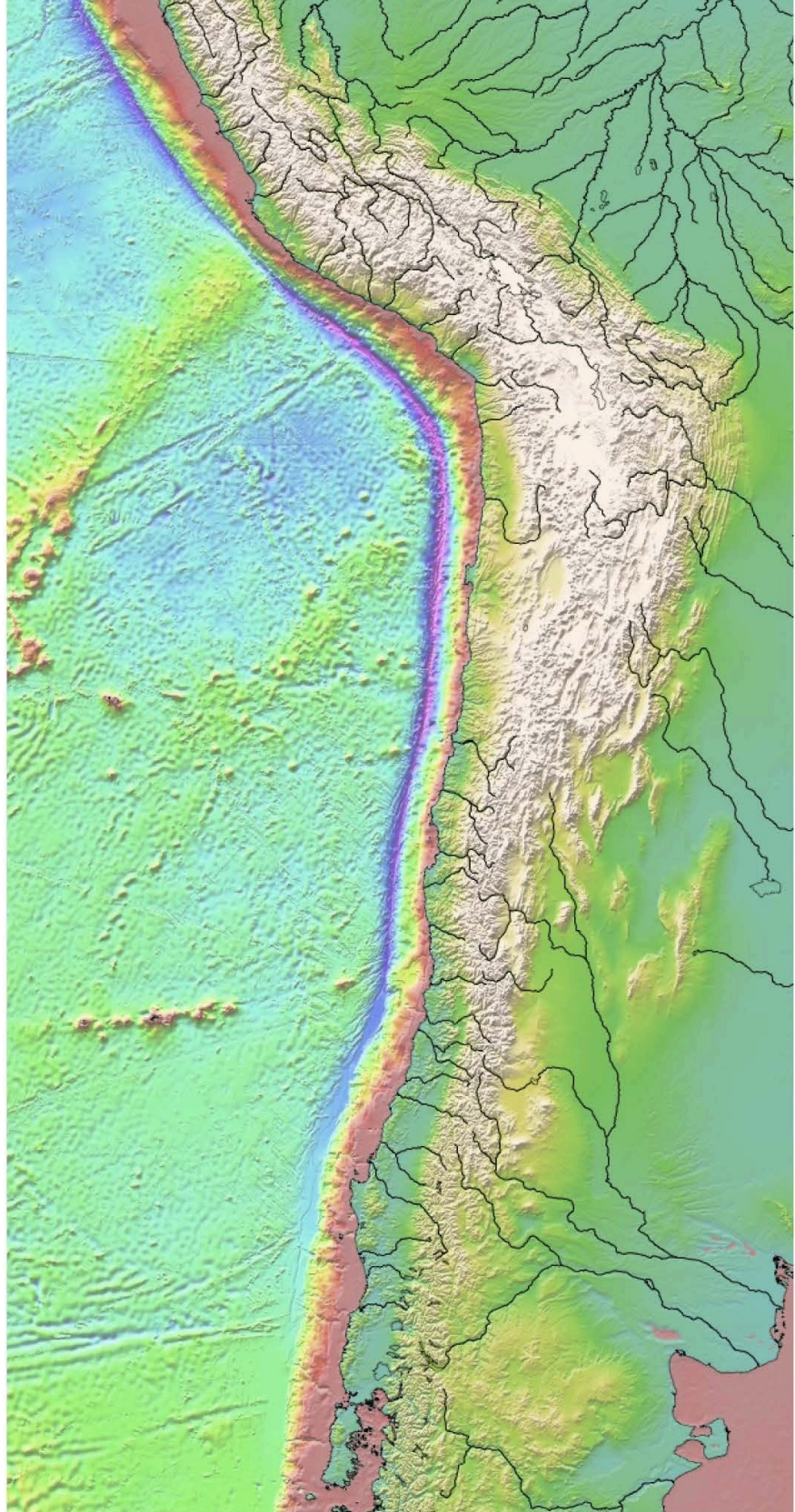
Display: Cut image from global map of Crustal Age Image No Plates:
<https://www.ngdc.noaa.gov/mgg/image/crustalimages.html>
Global Image created by Elliot Lim, Cooperative Institute for Research in Environmental Sciences,
NOAA National Geophysical Data Center (NGDC), Marine Geology and Geophysics Division
Data & Images available from <http://www.ngdc.noaa.gov/mgg/>

Original Data Source:
Müller, R.D., M. Sdrolias, C. Gaina, and W.R. Roest 2008. Age, spreading rates and spreading
symmetry of the world's ocean crust, *Geochem. Geophys. Geosyst.*, 9, Q04006,
doi:10.1029/2007GC001743 .

Andes Mountains, West Coast of South America

Display:
Surface topography including
continents and seafloor
Horizontal resolution: 1-12 km
Data from: Smith, W. H. F., and
D. T. Sandwell, Global seafloor
topography from satellite
altimetry and ship depth
soundings, Science, v. 277,
p. 1957-1962, 26 Sept., 1997.

Data plotted on an Interactive
map here:
[https://topex.ucsd.edu/
marine_topo/mar_topo.html](https://topex.ucsd.edu/marine_topo/mar_topo.html)

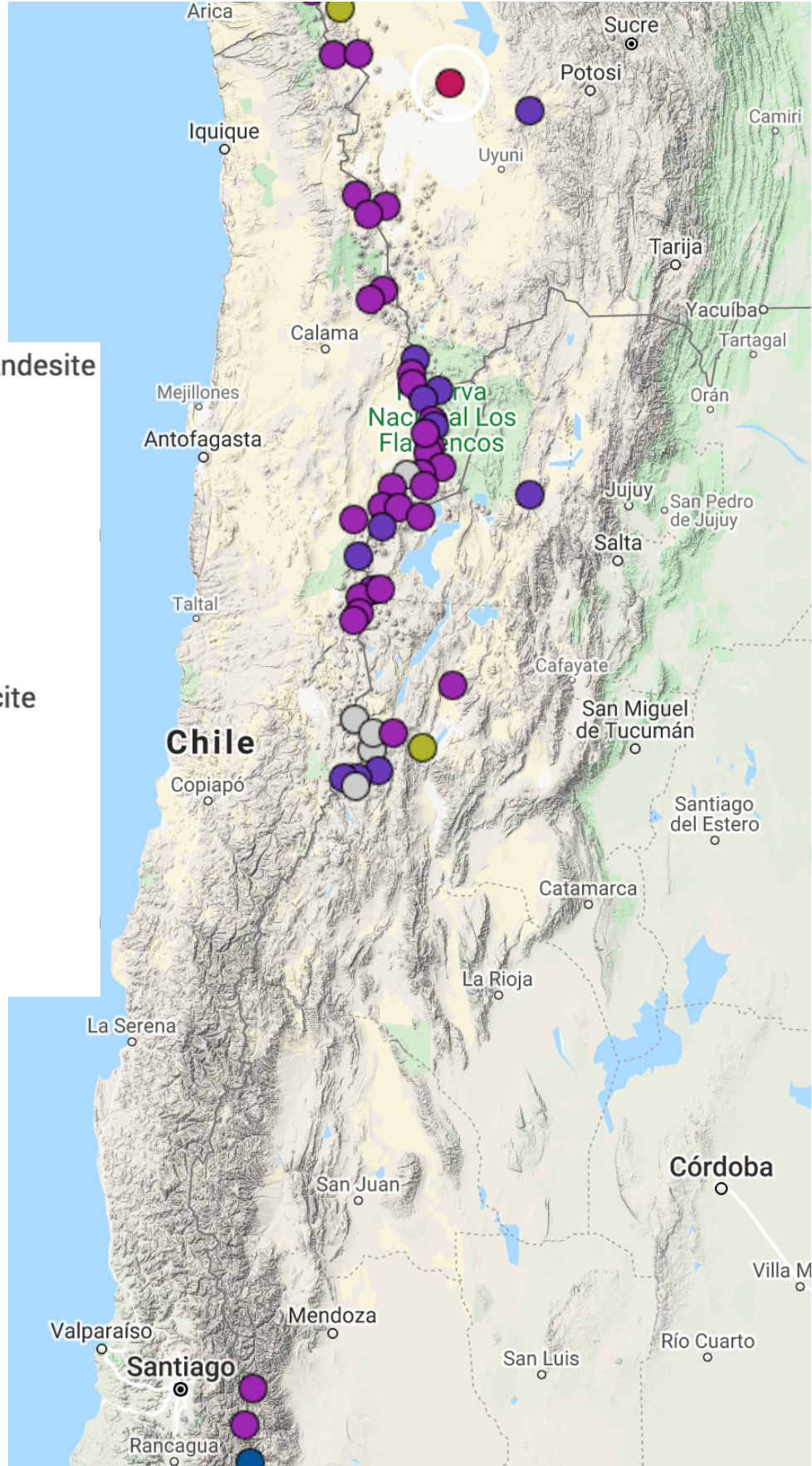


Central Andes Mountains, West Coast of South America

- Andesite / Basaltic Andesite
- Basalt / Picro-Basalt
- Dacite
- Trachybasalt
- Rhyolite
- No Data (checked)
- Trachyte / Trachydacite
- Trachyandesite
- Foidite
- Phonolite
- Phono-tephrite

Display:
All Volcanoes from the
last ~10,000 years
(Holocene)

https://volcano.si.edu/list_volcano_holocene.cfm



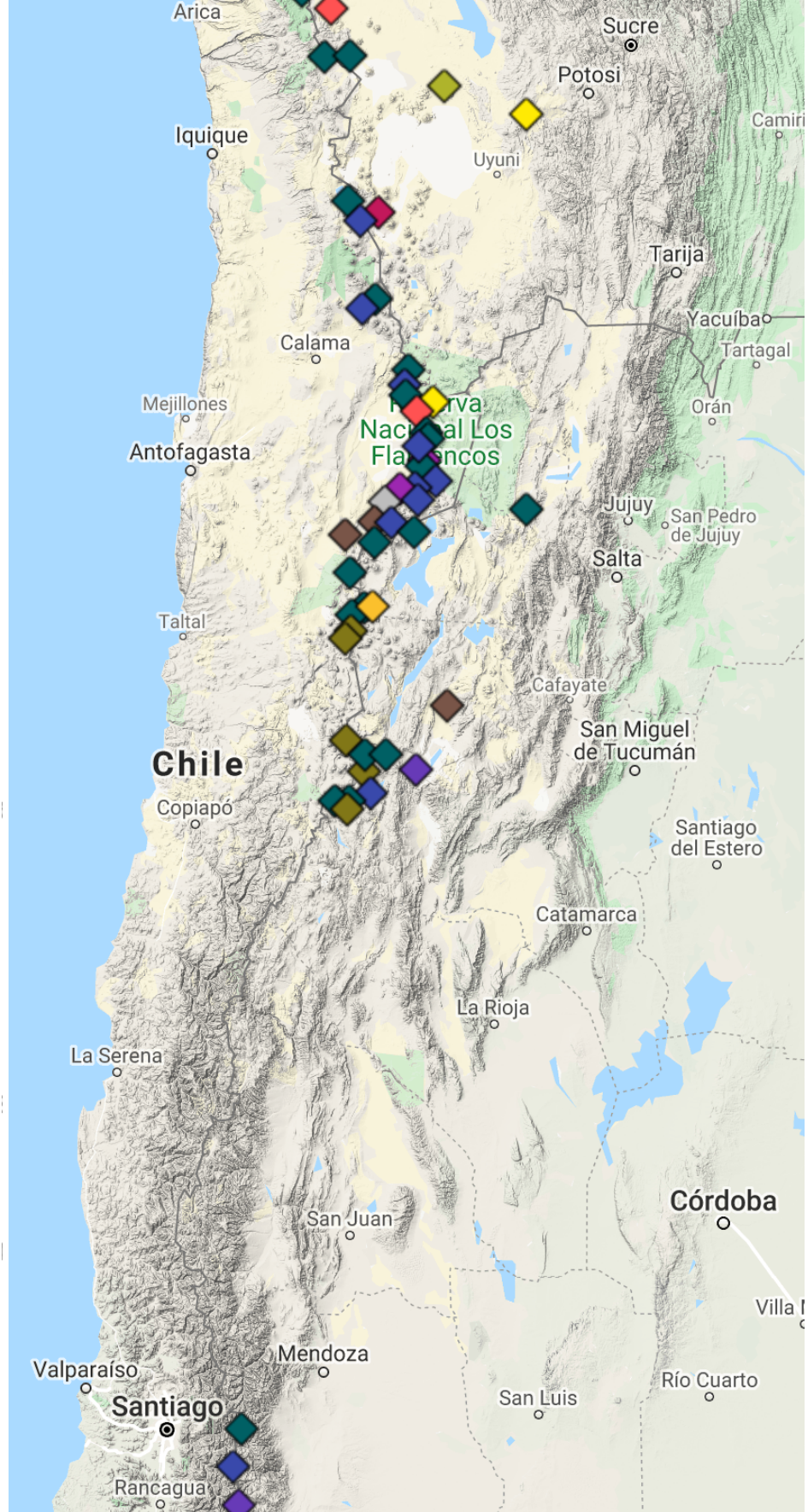
**Andes Mountains,
West Coast of
South America**



Display Data:
South America, GEM, GSRM
Vector scaling: 1x
Showing 1 in 20
vector markers

Central Andes Mountains, West Coast of South America

- ◆ Stratovolcano
- ◆ Shield
- ◆ Stratovolcano(es)
- ◆ Submarine
- ◆ Pyroclastic cone(s)
- ◆ Volcanic field
- ◆ Caldera
- ◆ Complex
- ◆ Shield
- ◆ Lava dome(s)
- ◆ Fissure vent(s)
- ◆ Pyroclastic cone
- ◆ Compound
- ◆ Caldera(s)
- ◆ Maar(s)
- ◆ Lava dome
- ◆ Tuff cone(s)
- ◆ Pyroclastic shield
- ◆ Crater rows
- ◆ Maar
- ◆ Other / No value



Display:
All Volcanoes from the
last ~10,000 years
(Holocene)