

Mw. 8.1 offshore Chiapas, Mexico

Initial Conditions

This calculation has been performed using SWAN and the JRC computing system and the conditions derived from the USGS NP2 solution

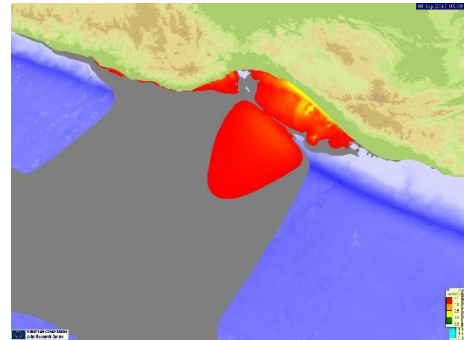
http://webcritech.jrc.ec.europa.eu/ModellingTsunami/TsunamiSurge/JETS_System/JRC/27878/

Response:

Status Calc

Epicenter

Latitude: **15.10**
Longitude: **-93.70**
Magnitude: **8.10**
Depth: **70.0**
Water Depth: **-175** (m)
Event Date: **08 Sep 2017 04:49**



Fault Geometry

Displacement: **5** (m)
Width: **49** (km)
Length: **177** (km)
Strike: **315** (deg - North=0)
Dip: **73** (deg)
Rake: **-96** (deg)

Calculation Window

Lon Min: **-100.828** (deg)
Lon Min: **-89.267** (deg)
Lon Min: **9.346** (deg)
Lon Min: **17.901** (deg)
Bathymetry: **.5** (min)

List of first 35 affected Locations

The list below represents the list of the first 35 locations hit by the Tsunami

Actual Time	Country	Location	Height		ID	
08 Sep 2017 06:15	Mexico	Arista	1.0	■	15.94	-93.81
08 Sep 2017 05:59	Mexico	Solo_Dios	1.7	■	15.66	-93.40
08 Sep 2017 07:27	Mexico	Bajo_de_Arenal	0.1	■	15.68	-96.26
08 Sep 2017 05:09	Mexico	Tangolunda	0.1	■	15.76	-96.09
08 Sep 2017 05:43	Mexico	Mirador	0.3	■	15.81	-95.96
08 Sep 2017 08:49	Mexico	El_Roble	0.5	■	16.10	-94.22
08 Sep 2017 07:27	Mexico	Puerto_Angel	0.1	■	15.66	-96.48
08 Sep 2017 07:27	Mexico	Loma_Larga	0.1	■	15.69	-96.39
08 Sep 2017 05:45	Mexico	Ayutla	0.3	■	15.88	-95.85
08 Sep 2017 06:17	Mexico	Huajapan	0.6	■	16.16	-94.31
08 Sep 2017 05:11	Mexico	La_Redonda	0.1	■	15.68	-96.61
08 Sep 2017 05:53	Mexico	Garrapateras	0.4	■	15.98	-95.45
08 Sep 2017 05:57	Mexico	Coyote	0.2	■	15.74	-96.74
08 Sep 2017 05:15	Mexico	Tlachicon	0.1	■	15.76	-96.80
08 Sep 2017 07:43	Mexico	Majada_Villalobos	0.4	■	16.06	-95.39
08 Sep 2017 05:51	Mexico	Paso_Hondo	0.3	■	15.81	-97.04
08 Sep 2017 05:51	Mexico	Puerto_Escondido	0.3	■	15.86	-97.07
08 Sep 2017 05:49	Mexico	Bajos_de_Chila	0.2	■	15.92	-97.35
08 Sep 2017 06:39	Mexico	La_Tuza	0.1	■	16.07	-97.90
08 Sep 2017 06:15	Mexico	Salina_Cruz	0.9	■	16.18	-95.19
08 Sep 2017 06:43	Mexico	Pesqueria	0.5	■	16.22	-94.78
08 Sep 2017 06:07	Mexico	Pie_Cerro	0.2	■	16.23	-98.15
08 Sep 2017 06:21	Mexico	Costa_Rica	0.6	■	16.20	-94.98
08 Sep 2017 05:43	Guatemala	Ocos	0.2	■	14.51	-92.19
08 Sep 2017 07:05	Guatemala	El_Chico	0.2	■	14.42	-92.05
08 Sep 2017 07:05	Guatemala	Acapan	0.1	■	14.37	-91.98
08 Sep 2017 07:59	Guatemala	Champerico	0.2	■	14.29	-91.91
08 Sep 2017 08:01	Mexico	Mauricio_Gutierrez	0.1	■	16.65	-99.28
08 Sep 2017 07:41	Guatemala	La_Verde	0.1	■	14.18	-91.75
08 Sep 2017 06:29	Mexico	El_Marques	0.2	■	16.80	-99.82
08 Sep 2017 06:31	Mexico	Acapulco	0.2	■	16.84	-99.91
08 Sep 2017 06:39	Mexico	El_Papayo	0.2	■	17.03	-100.26
08 Sep 2017 08:13	Guatemala	El_Naranjo	0.1	■	13.92	-91.02
08 Sep 2017 08:07	Guatemala	La_Barrita	0.2	■	13.92	-90.91
08 Sep 2017 07:43	Guatemala	Barra_Madre_Vieja	0.2	■	14.01	-91.43

Images

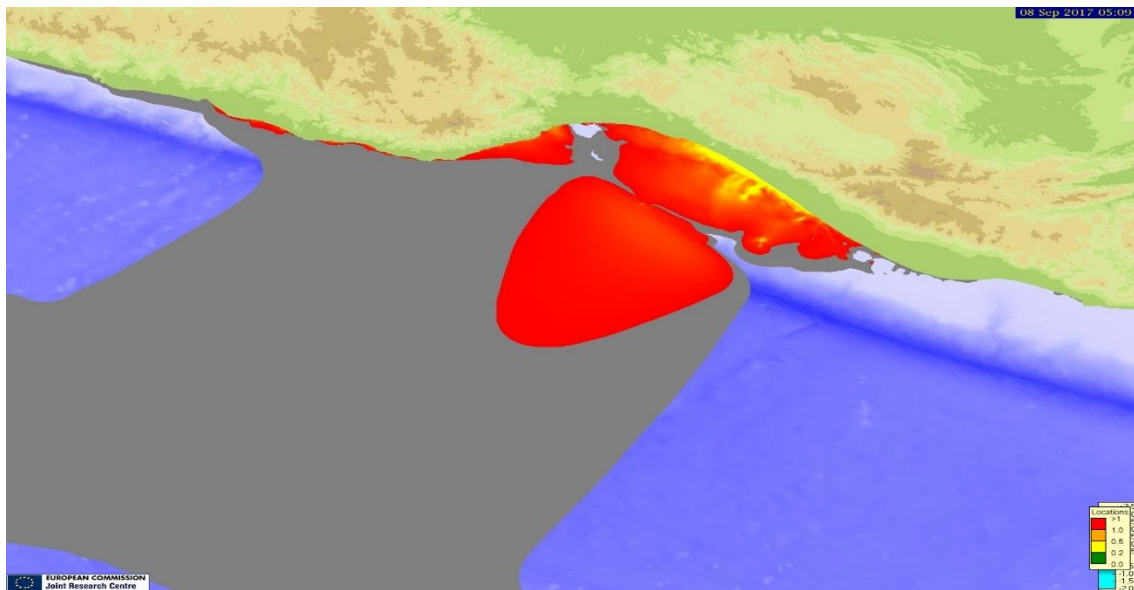
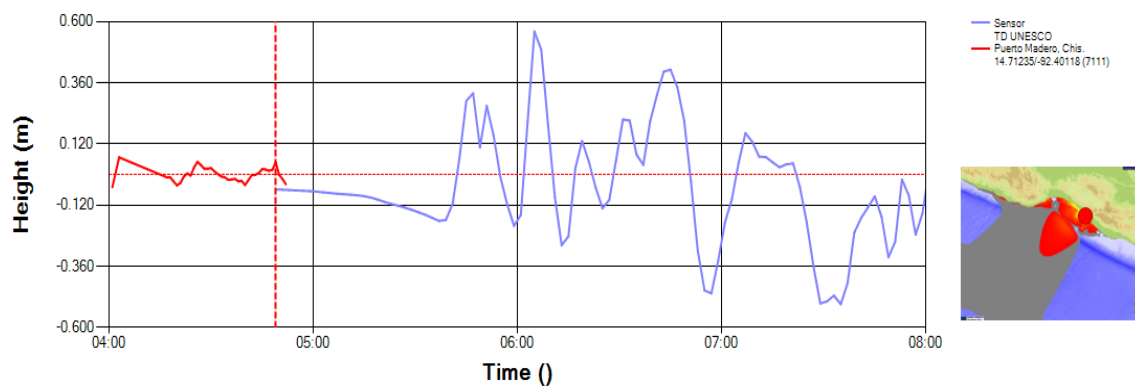


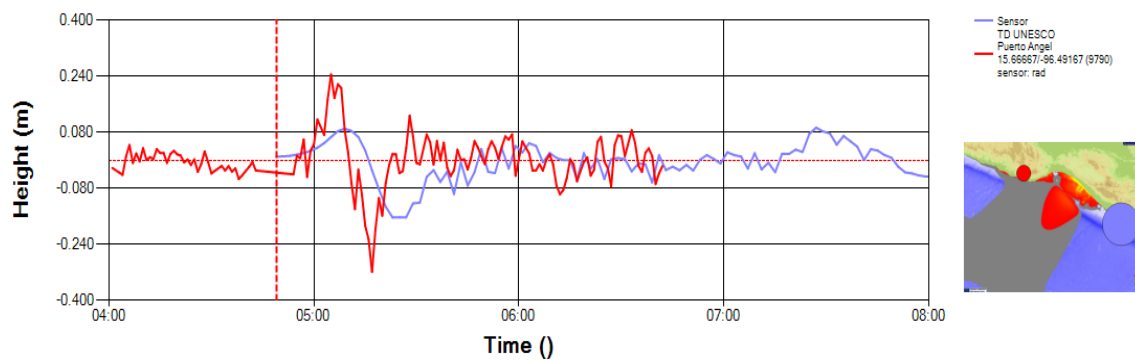
Fig. 1 - Maximum Height

Situation Plots

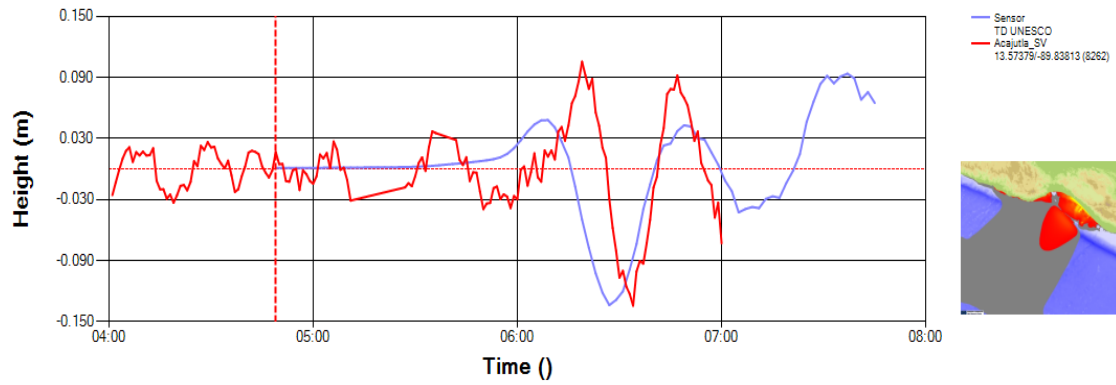
**Buoy readings TD UNESCO
Puerto Madero, Chis.
14.71235/-92.40118 (7111)**



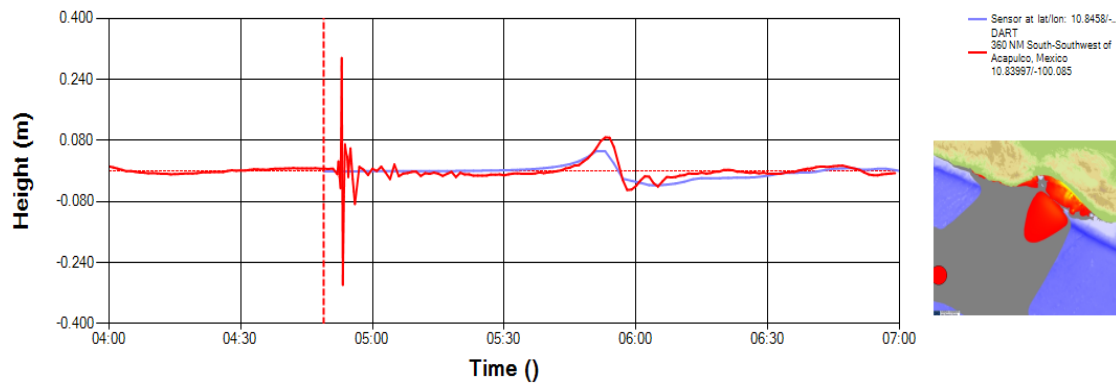
**Buoy readings TD UNESCO
Puerto Angel
15.66667/-96.49167 (9790)
sensor: rad**



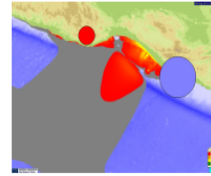
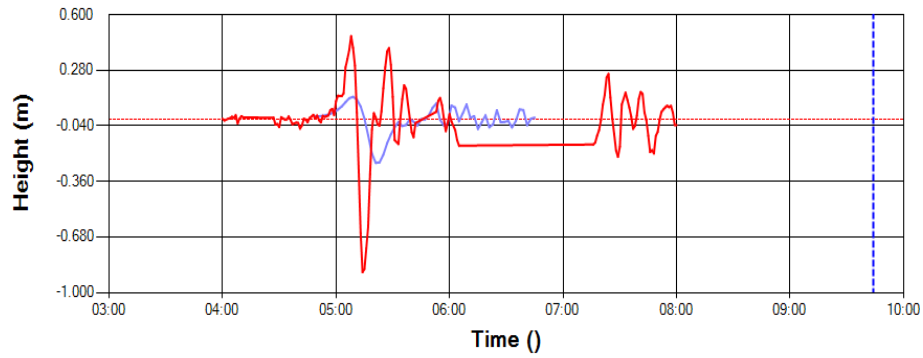
**Buoy readings TD UNESCO
Acajutla_SV
13.57379/-89.83813 (8262)**



**Buoy readings DART
360 NM South-Southwest of Acapulco, Mexico
10.83997/-100.085**



**Buoy readings TD UNESCO
Huatulco
15.75006/-96.11689 (9785)
sensor: rad**



**Harmonics of TD UNESCO
Salina Cruz, Oax.
16.16844/-95.19684 (8699)**

