

Event Summary

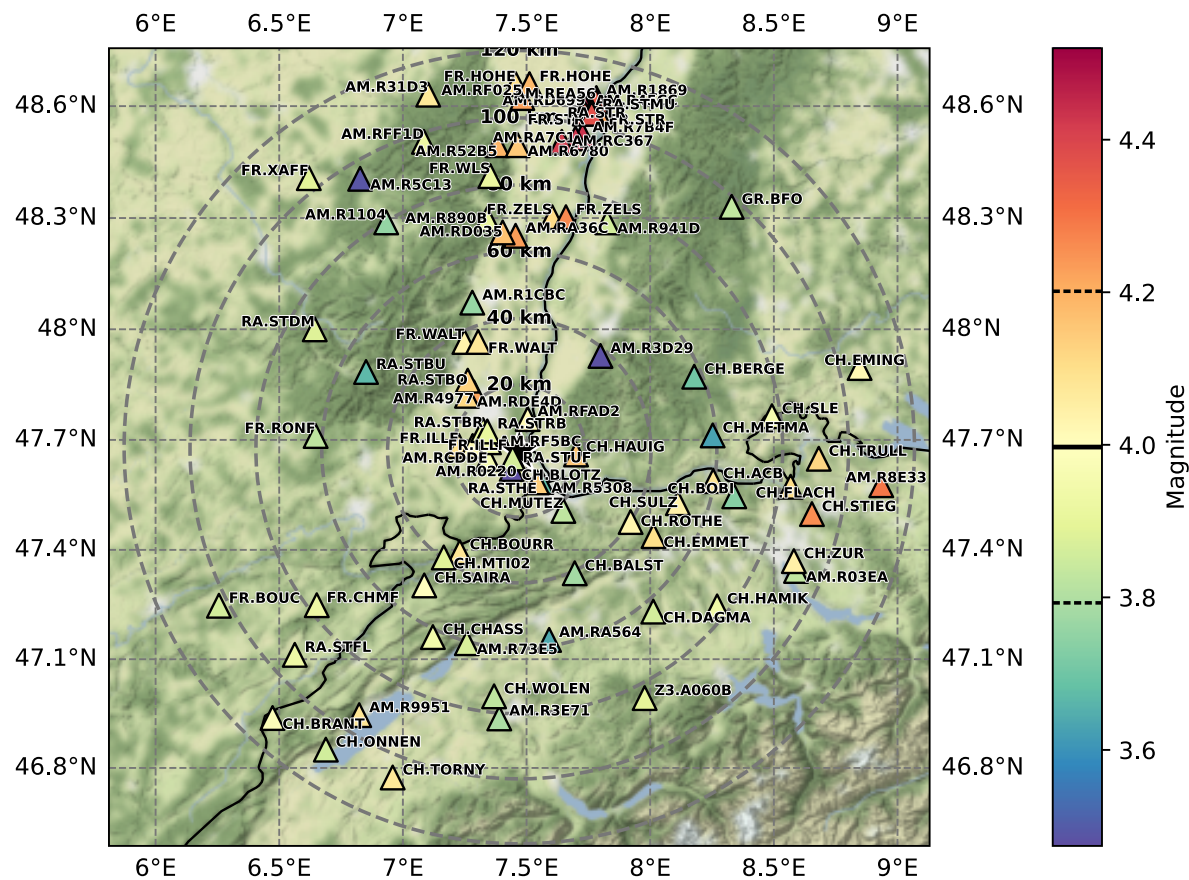
Event ID:	fr2022jyttas ↗
Longitude:	7.471 °E
Latitude:	47.669 °N
Depth:	14.2 km
Origin Time:	2022-09-10T15:58:13.882591Z
Moment Magnitude:	4.00 ± 0.20
Corner Frequency:	3.682 [− 1.109, + 1.587] Hz

Moment Magnitude

M_w 4.00 ± 0.20

evid: fr2022jyttas

lon: 7.471 lat: 47.669 depth: 14.2 km time: 2022-09-10T15:58:13.882



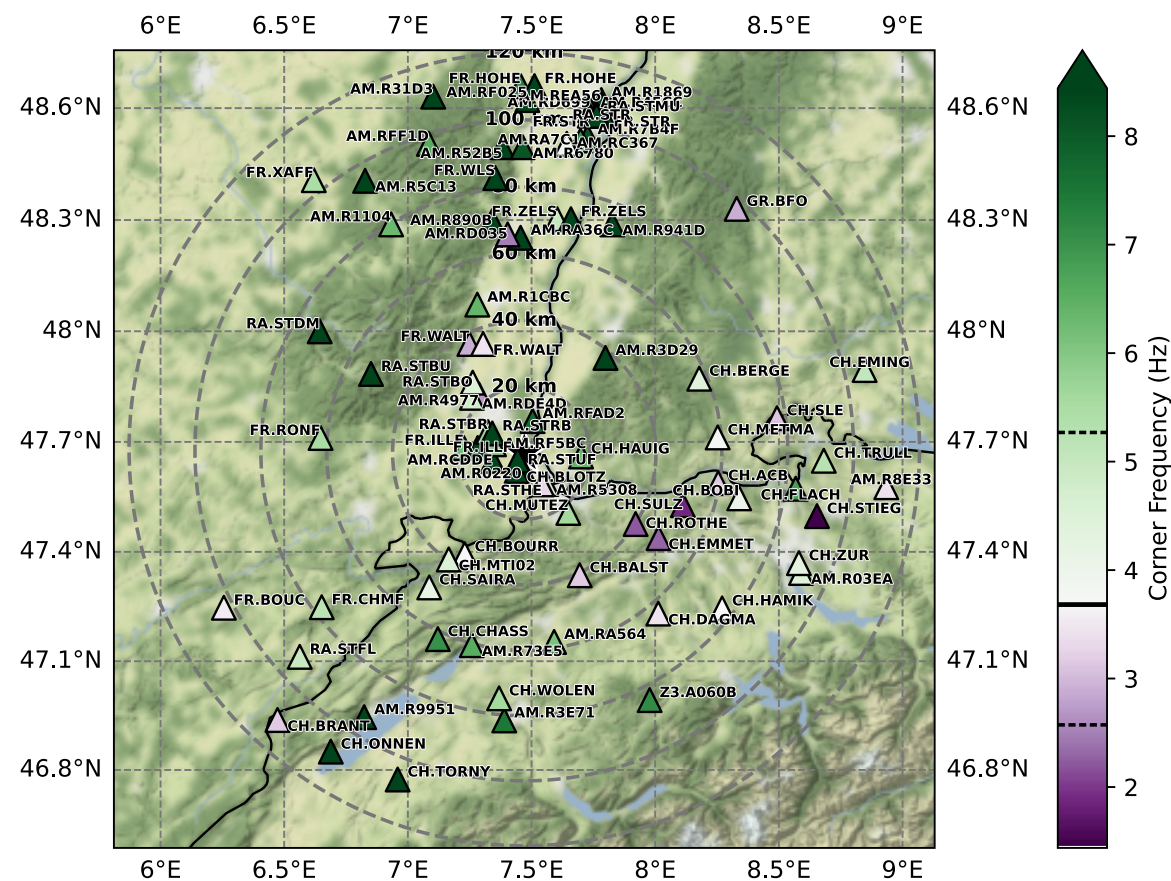
SourceSpec v1.6+22.g4826959 - 2022-09-11 21:36:25 CEST
Claudio Satriano - IPGP

Corner Frequency

fc 3.682 [- 1.109, + 1.587] Hz

evid: fr2022jyttas

lon: 7.471 lat: 47.669 depth: 14.2 km time: 2022-09-10T15:58:13.882



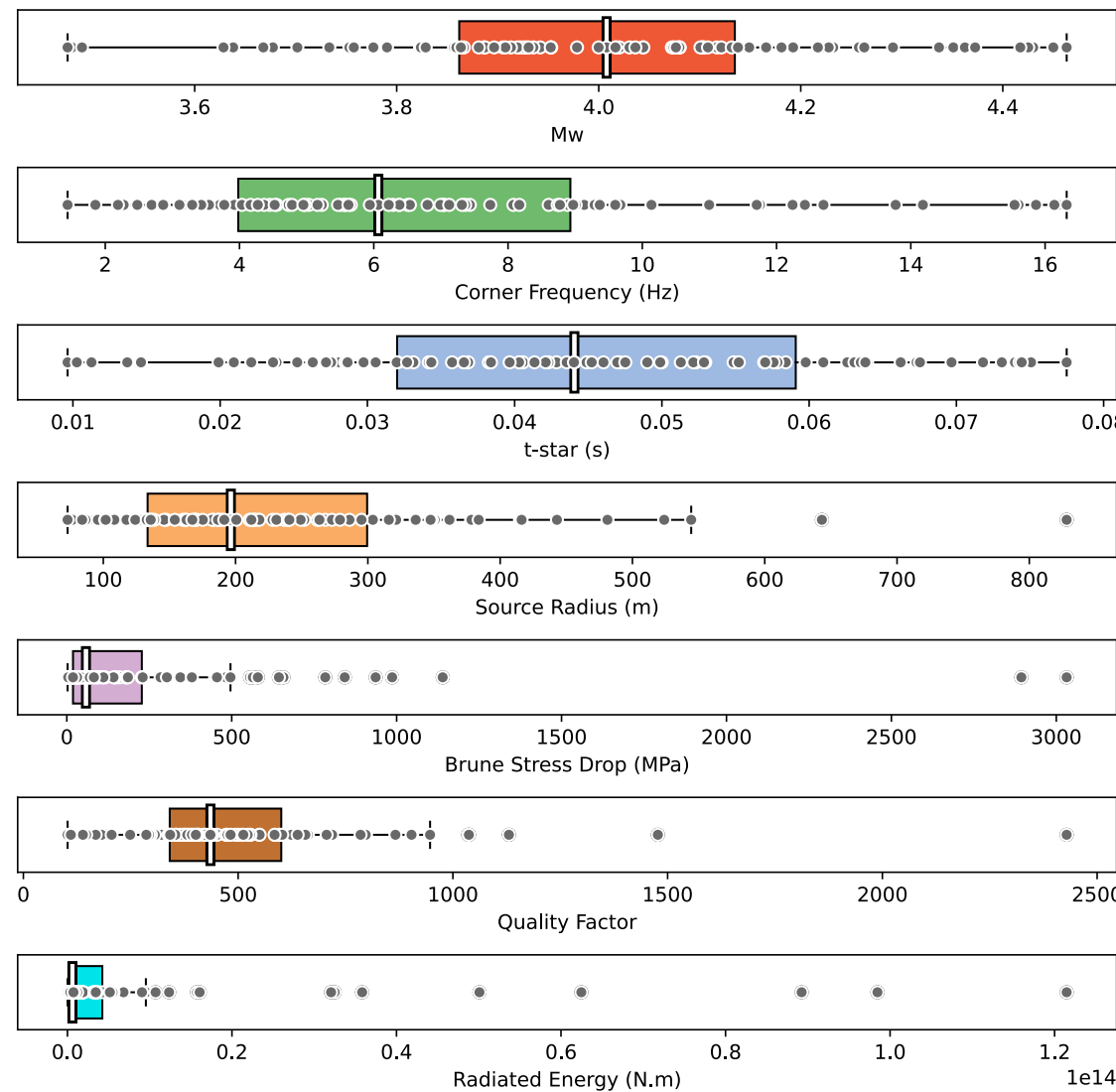
Summary Spectral Parameters

	Mean	Weighted Mean
Mw	4.00 ±0.22	4.00 ±0.20
Seismic Moment (N·m)	1.089e+15 -0.512e+15 +0.967e+15	1.070e+15 -0.457e+15 +0.798e+15
Corner Frequency (Hz)	5.995 -2.524 +4.360	3.682 -1.109 +1.587
t-star (s)	0.046 ±0.018	0.036 ±0.014
Qo	444.7 ±201.4	299.3 ±145.6
Source Radius (m)	192.776 -77.522 +129.666	312.232 -86.730 +120.088
Brune Stress Drop (MPa)	4.593e+01 -3.501e+01 +14.736e+01	1.672e+01 -1.112e+01 +3.321e+01

	Mean	Weighted Mean
Radiated Energy (N·m)	5.220e+11	
	-4.247e+11	
	+22.783e+11	

Spectral Parameter Box Plots

evid: fr2022jyttas
 lon: 7.471 lat: 47.669 depth: 14.2 km time: 2022-09-10T15:58:13.882



Station Parameters

Note: outliers are greyed out

↕ Station	↕ Type	↕ Mw	↕ Corner Frequency (Hz)	↕ t-star (s)	↕ Qo	↕ Seismic Moment (N·m)	↕ Brune stress drop (MPa)	↕ Source radius (m)	↕ Radiated Energy (N·m)	↕ Hypocentral Distance (km)	↕ Azimuth (°)
AM.R0220.00.EHH	shortp	3.929	8.886	0.028	145.7	9.839e+14	1.785e+02	134.108	1.816e+12	15.132	190.640
		±0.022	±2.334	±0.007	-27.7	-7.240e+13	-1.122e+02	-27.894			
					+44.6	+7.814e+13	+2.093e+02	+47.762			
AM.R03EA.00.EHH	shortp	3.826	4.450	0.043	644.6	6.903e+14	1.573e+01	267.775	1.207e+11	92.979	112.908
		±0.029	±0.883	±0.007	-88.4	-6.687e+13	-8.413e+00	-44.334			
					+121.7	+7.404e+13	+1.425e+01	+66.282			
AM.R1104.00.EHH	shortp	3.753	6.288	0.010	2429.1	5.367e+14	3.450e+01	189.506	1.908e+11	81.018	329.929
		±0.025	±1.314	±0.005	-877.9	-4.477e+13	-1.885e+01	-32.760			
					+3167.3	+4.884e+13	+3.202e+01	+50.073			
AM.R1869.00.EHH	shortp	4.450	3.924	0.040	792.3	5.957e+15	9.307e+01	303.661	5.900e+12	109.355	12.234
		±0.025	±0.552	±0.005	-81.0	-4.976e+14	-3.894e+01	-37.442			
					+101.8	+5.430e+14	+5.764e+01	+49.697			
AM.R1CBC.00.EHH	shortp	3.758	6.375	0.024	612.6	5.449e+14	3.649e+01	186.942	2.334e+11	49.162	342.467
		±0.025	±1.210	±0.005	-105.3	-4.575e+13	-1.871e+01	-29.816			
					+160.5	+4.994e+13	+3.060e+01	+43.782			
AM.R31D3.00.EHH	shortp	4.072	10.996	0.064	500.1	1.617e+15	5.557e+02	108.373	9.532e+12	111.309	345.761
		±0.025	±6.982	±0.016	-102.2	-1.317e+14	-5.309e+02	-42.090			
					+172.8	+1.434e+14	+2.088e+03	+188.536			
AM.R3D29.00.EHH	shortp	3.478	12.699	0.032	375.0	2.078e+14	1.100e+02	93.838	3.523e+11	40.558	40.393
		±0.034	±9.019	±0.015	-120.7	-2.331e+13	-1.076e+02	-38.969			
					+338.7	+2.626e+13	+5.099e+02	+229.995			

↕ Station	↕ Type	↕ Mw	↕ Corner Frequency (Hz)	↕ t-star (s)	↕ Qo	↕ Seismic Moment (N·m)	↕ Brune stress drop (MPa)	↕ Source radius (m)	↕ Radiated Energy (N·m)	↕ Hypocentral Distance (km)	↕ Azimuth (°)
AM.R3E71.00.EHH	shortp	3.790	7.432	0.045	548.9	6.104e+14	6.477e+01	160.353	3.423e+11	82.967	184.334
		±0.024	±2.214	±0.008	-87.4	-4.888e+13	-4.414e+01	-36.800			
					+128.2	+5.313e+13	+8.915e+01	+68.022			
AM.R45CC.00.EHH	shortp	4.008	7.031	0.052	598.2	1.293e+15	1.162e+02	169.499	1.346e+12	105.785	10.858
		±0.013	±1.011	±0.004	-41.6	-5.697e+13	-4.645e+01	-21.301			
					+48.4	+5.960e+13	+6.565e+01	+28.452			
AM.R4977.00.EHH	shortp	4.221	2.691	0.026	321.5	2.699e+15	1.359e+01	442.921	3.468e+11	26.671	322.391
		±0.018	±0.192	±0.002	-25.1	-1.640e+14	-3.366e+00	-29.484			
					+29.7	+1.746e+14	+4.200e+00	+34.012			
AM.R52B5.00.EHH	shortp	4.192	9.135	0.049	550.1	2.447e+15	4.823e+02	130.446	1.575e+13	93.251	355.927
		±0.026	±3.498	±0.009	-88.8	-2.116e+14	-3.788e+02	-36.117			
					+131.1	+2.316e+14	+9.139e+02	+80.934			
AM.R5308.00.EHH	shortp	3.677	4.731	0.010	528.9	4.132e+14	1.131e+01	251.879	4.751e+10	18.456	144.147
		±0.017	±0.538	±0.004	-137.9	-2.292e+13	-3.872e+00	-25.702			
					+288.1	+2.427e+13	+5.229e+00	+32.293			
AM.R5C13.00.EHH	shortp	3.488	12.239	0.028	1035.9	2.151e+14	1.020e+02	97.369	2.528e+11	95.988	329.857
		±0.025	±7.092	±0.013	-327.3	-1.813e+13	-9.501e+01	-35.722			
					+889.2	+1.980e+13	+3.367e+02	+134.160			
AM.R6780.00.EHH	shortp	4.146	8.080	0.046	585.9	2.084e+15	2.842e+02	147.490	9.060e+12	92.999	359.698
		±0.037	±3.961	±0.014	-133.8	-2.475e+14	-2.510e+02	-48.520			
					+246.2	+2.809e+14	+7.832e+02	+141.848			
AM.R73E5.00.EHH	shortp	3.866	6.505	0.047	392.1	7.937e+14	5.648e+01	183.196	4.312e+11	62.277	195.413
		±0.024	±1.555	±0.008	-54.4	-6.356e+13	-3.359e+01	-35.347			
					+75.2	+6.909e+13	+6.032e+01	+57.559			

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AM.R7B4F.00.EHH	shortp	4.430	8.168	0.077	377.1	5.561e+15	7.836e+02	145.891	5.009e+13	97.835	11.263
		±0.026	±4.589	±0.019	-74.0	-4.848e+14	-7.234e+02	-52.483			
					+121.9	+5.311e+14	+2.487e+03	+187.090			
AM.R890B.00.EHH	shortp	3.905	12.422	0.058	354.6	9.073e+14	4.496e+02	95.930	3.704e+12	71.977	352.157
		±0.009	±2.759	±0.005	-27.2	-2.884e+13	-2.447e+02	-17.434			
					+32.1	+2.979e+13	+3.980e+02	+27.390			
AM.R8E33.00.EHH	shortp	4.291	3.400	0.075	437.9	3.443e+15	3.498e+01	350.503	1.270e+12	111.464	94.807
		±0.021	±0.446	±0.005	-29.7	-2.414e+14	-1.366e+01	-40.687			
					+34.4	+2.596e+14	+1.949e+01	+52.989			
AM.R941D.00.EHH	shortp	3.859	9.008	0.058	386.2	7.738e+14	1.462e+02	132.295	1.717e+12	75.175	20.965
		±0.028	±3.806	±0.011	-61.6	-7.251e+13	-1.207e+02	-39.293			
					+90.5	+8.001e+13	+3.182e+02	+96.788			
AM.R9951.00.EHH	shortp	4.080	9.290	0.067	420.6	1.661e+15	3.443e+02	128.273	5.034e+12	95.277	211.567
		±0.016	±2.676	±0.008	-45.4	-8.921e+13	-2.267e+02	-28.689			
					+57.9	+9.427e+13	+4.333e+02	+51.908			
AM.RA36C.00.EHH	shortp	4.232	9.674	0.066	306.0	2.807e+15	6.568e+02	123.189	3.248e+13	66.413	359.020
		±0.029	±4.300	±0.011	-43.9	-2.645e+14	-5.548e+02	-37.910			
					+61.5	+2.920e+14	+1.529e+03	+98.590			
AM.RA564.00.EHH	shortp	3.638	6.067	0.028	623.9	3.607e+14	2.083e+01	196.404	1.041e+11	59.916	170.936
		±0.028	±1.958	±0.011	-172.8	-3.377e+13	-1.497e+01	-47.924			
					+387.4	+3.725e+13	+3.236e+01	+93.606			
AM.RA7C1.00.EHH	shortp	4.425	7.055	0.070	407.5	5.467e+15	4.962e+02	168.922	3.205e+13	96.468	10.137
		±0.014	±1.530	±0.007	-38.5	-2.573e+14	-2.692e+02	-30.114			
					+47.5	+2.700e+14	+4.422e+02	+46.801			

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AM.RC367.00.EHH	shortp	4.417	3.923	0.063	451.2	5.321e+15	8.306e+01	303.763	4.238e+12	94.850	7.789
		±0.017	±0.428	±0.004	-28.2	-2.961e+14	-2.760e+01	-29.881			
					+32.2	+3.136e+14	+3.694e+01	+37.199			
AM.RCDDE.00.EHH	shortp	3.953	9.366	0.050	102.9	1.070e+15	2.273e+02	127.231	3.108e+12	17.526	256.645
		±0.034	±4.332	±0.012	-19.7	-1.196e+14	-1.960e+02	-40.234			
					+31.8	+1.347e+14	+5.733e+02	+109.466			
AM.RD035.00.EHH	shortp	4.166	2.477	0.014	1477.4	2.231e+15	8.767e+00	481.103	1.730e+11	67.573	355.663
		±0.012	±0.112	±0.002	-165.3	-9.043e+13	-1.441e+00	-20.729			
					+212.9	+9.425e+13	+1.661e+00	+22.684			
AM.RD699.00.EHH	shortp	4.463	7.362	0.073	427.1	6.235e+15	6.431e+02	161.875	3.583e+13	105.785	10.858
		±0.014	±1.305	±0.005	-29.1	-2.988e+14	-3.021e+02	-24.375			
					+33.6	+3.138e+14	+4.590e+02	+34.878			
AM.RDE4D.00.EHH	shortp	4.117	4.782	0.042	194.5	1.885e+15	5.330e+01	249.176	1.036e+12	27.214	316.647
		±0.017	±0.524	±0.004	-15.1	-1.051e+14	-1.777e+01	-24.599			
					+17.9	+1.113e+14	+2.380e+01	+30.651			
AM.REA56.00.EHH	shortp	4.351	10.137	0.068	471.5	4.232e+15	1.140e+03	117.562	9.847e+13	108.363	12.293
		±0.035	±6.202	±0.016	-89.0	-4.790e+14	-1.081e+03	-44.627			
					+142.9	+5.402e+14	+4.242e+03	+185.330			
AM.RF025.00.EHH	shortp	4.228	8.606	0.064	493.9	2.763e+15	4.553e+02	138.474	1.608e+13	106.883	0.485
		±0.036	±5.327	±0.018	-109.3	-3.192e+14	-4.330e+02	-52.943			
					+196.0	+3.609e+14	+1.729e+03	+224.961			
AM.RF5BC.00.EHH	shortp	3.953	5.942	0.032	145.6	1.068e+15	5.795e+01	200.552	6.914e+11	17.437	286.528
		±0.027	±1.324	±0.007	-25.5	-9.361e+13	-3.313e+01	-36.547			
					+39.3	+1.026e+14	+5.819e+01	+57.506			

↕ Station	↕ Type	↕ Mw	↕ Corner Frequency (Hz)	↕ t-star (s)	↕ Qo	↕ Seismic Moment (N·m)	↕ Brune stress drop (MPa)	↕ Source radius (m)	↕ Radiated Energy (N·m)	↕ Hypocentral Distance (km)	↕ Azimuth (°)
AM.RFAD2.00.EHH	shortp	4.017	7.735	0.029	180.6	1.335e+15	1.598e+02	154.057	1.975e+12	17.591	14.621
		±0.020	±1.633	±0.006	-29.7	-9.052e+13	-8.664e+01	-26.851			
					+44.3	+9.711e+13	+1.447e+02	+41.219			
AM.RFFID.00.EHH	shortp	3.922	6.539	0.047	594.7	9.627e+14	6.957e+01	182.255	6.039e+11	98.317	342.954
		±0.018	±1.027	±0.005	-52.4	-5.918e+13	-3.047e+01	-24.744			
					+63.6	+6.306e+13	+4.527e+01	+33.968			
CH.ACB..HHH	broadb	4.079	3.118	0.053	344.2	1.654e+15	1.297e+01	382.162	2.699e+11	61.401	98.450
		±0.032	±0.495	±0.005	-31.1	-1.741e+14	-6.059e+00	-52.351			
					+38.0	+1.945e+14	+9.579e+00	+72.106			
CH.BALST..HHH	broadb	3.777	3.152	0.021	602.6	5.825e+14	4.716e+00	378.080	2.668e+10	43.414	155.410
		±0.016	±0.217	±0.002	-53.5	-3.094e+13	-1.110e+00	-24.343			
					+65.0	+3.267e+13	+1.365e+00	+27.940			
CH.BERGE..HHH	broadb	3.702	4.367	0.022	797.5	4.493e+14	9.670e+00	272.908	4.184e+10	59.559	66.738
		±0.012	±0.309	±0.002	-69.5	-1.891e+13	-2.238e+00	-18.040			
					+84.2	+1.974e+13	+2.724e+00	+20.789			
CH.BLOTZ.BT.EHH	shortp	3.474	9.597	0.034	133.9	2.048e+14	4.679e+01	124.175	8.616e+10	15.655	203.165
		±0.025	±3.420	±0.009	-27.3	-1.720e+13	-3.536e+01	-32.628			
					+46.1	+1.877e+13	+8.068e+01	+68.766			
CH.BOBI.BT.EHH	shortp	3.733	4.037	0.057	356.4	5.011e+14	8.522e+00	295.206	4.242e+10	68.382	101.489
		±0.017	±0.362	±0.003	-17.5	-2.856e+13	-2.458e+00	-24.276			
					+19.4	+3.028e+13	+3.168e+00	+29.054			
CH.BOURR..HHH	broadb	4.080	3.703	0.063	179.8	1.659e+15	2.178e+01	321.775	3.680e+11	38.646	210.684
		±0.019	±0.381	±0.003	-8.9	-1.080e+14	-7.071e+00	-29.981			
					+9.8	+1.155e+14	+9.460e+00	+36.847			

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CH.BRANT..HHH	broadb	3.979	3.150	0.041	797.0	1.169e+15	9.445e+00	378.312	1.109e+11	111.966	223.233
		±0.015	±0.211	±0.002	-38.9	-5.991e+13	-2.164e+00	-23.712			
					+43.1	+6.315e+13	+2.644e+00	+27.110			
CH.CHASS..HHH	broadb	3.942	6.993	0.052	364.7	1.031e+15	9.111e+01	170.406	8.956e+11	64.251	205.141
		±0.017	±1.090	±0.004	-27.5	-5.769e+13	-3.939e+01	-22.987			
					+32.4	+6.111e+13	+5.796e+01	+31.480			
CH.DAGMA..HHH	broadb	3.860	3.421	0.033	584.9	7.769e+14	8.039e+00	348.369	5.821e+10	65.287	139.822
		±0.014	±0.221	±0.002	-32.5	-3.546e+13	-1.758e+00	-21.109			
					+36.6	+3.716e+13	+2.122e+00	+24.021			
CH.EMING..HHH	broadb	4.021	5.033	0.037	866.2	1.352e+15	4.454e+01	236.785	9.527e+11	107.168	75.797
		±0.030	±1.003	±0.006	-125.1	-1.322e+14	-2.391e+01	-39.344			
					+175.8	+1.466e+14	+4.062e+01	+58.927			
CH.EMMET..HHH	broadb	4.103	2.274	0.040	371.4	1.797e+15	5.464e+00	523.996	1.384e+11	50.561	122.021
		±0.032	±0.278	±0.004	-32.4	-1.882e+14	-2.158e+00	-57.159			
					+39.3	+2.102e+14	+3.167e+00	+73.109			
CH.FLACH..EHH	shortp	4.104	6.800	0.074	337.8	1.804e+15	1.467e+02	175.246	3.471e+12	84.452	97.029
		±0.022	±1.634	±0.007	-29.9	-1.297e+14	-8.700e+01	-33.959			
					+36.3	+1.398e+14	+1.549e+02	+55.449			
CH.HAMIK.BT.EHH	shortp	3.935	3.708	0.055	421.9	1.007e+15	1.327e+01	321.385	1.449e+11	77.988	127.717
		±0.024	±0.446	±0.004	-28.1	-8.078e+13	-4.960e+00	-34.501			
					+32.4	+8.783e+13	+7.014e+00	+43.934			
CH.HAUIG..HHH	broadb	4.149	6.383	0.050	133.3	2.106e+15	1.416e+02	186.700	5.264e+12	22.654	93.173
		±0.040	±2.005	±0.009	-19.8	-2.744e+14	-1.018e+02	-44.620			
					+28.1	+3.156e+14	+2.278e+02	+85.476			

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CH.METMA...HHH	broadb	3.629	3.773	0.020	905.4	3.490e+14	4.845e+00	315.866	1.891e+10	60.745	85.058
		±0.019	±0.352	±0.003	-111.7	-2.179e+13	-1.460e+00	-26.986			
					+148.3	+2.324e+13	+1.910e+00	+32.547			
CH.MTI02...HHH	broadb	3.886	4.552	0.042	297.1	8.503e+14	2.073e+01	261.805	1.706e+11	42.246	215.623
		±0.013	±0.363	±0.002	-16.2	-3.751e+13	-5.284e+00	-19.321			
					+18.1	+3.924e+13	+6.565e+00	+22.667			
CH.MUTEZ...HHH	broadb	3.823	5.571	0.044	181.9	6.833e+14	3.055e+01	213.905	2.119e+11	26.857	143.409
		±0.017	±0.705	±0.004	-14.3	-3.845e+13	-1.133e+01	-24.025			
					+16.9	+4.074e+13	+1.573e+01	+30.986			
CH.ONNEN...EHH	shortp	3.857	16.194	0.064	508.4	7.675e+14	8.426e+02	73.588	6.812e+12	109.563	213.337
		±0.029	±14.865	±0.018	-110.5	-7.371e+13	-8.422e+02	-35.220			
					+195.5	+8.154e+13	+5.733e+03	+823.018			
CH.ROTHE...HHH	broadb	4.030	2.189	0.036	353.9	1.399e+15	3.792e+00	544.407	5.772e+10	42.780	122.196
		±0.023	±0.179	±0.003	-23.2	-1.057e+14	-1.077e+00	-41.064			
					+26.7	+1.143e+14	+1.398e+00	+48.359			
CH.SAIRA...HHH	broadb	4.000	4.166	0.053	292.3	1.259e+15	2.352e+01	286.059	3.637e+11	52.244	215.538
		±0.019	±0.439	±0.003	-16.7	-7.836e+13	-7.731e+00	-27.281			
					+18.8	+8.356e+13	+1.036e+01	+33.711			
CH.SLE...HHH	broadb	3.953	3.105	0.024	946.9	1.069e+15	8.270e+00	383.777	1.182e+11	78.801	81.753
		±0.032	±0.441	±0.004	-146.8	-1.113e+14	-3.593e+00	-47.755			
					+212.7	+1.242e+14	+5.483e+00	+63.577			
CH.STIEG.BT.EHH	shortp	4.258	1.439	0.041	662.4	3.065e+15	2.360e+00	828.239	1.018e+11	92.236	101.646
		±0.044	±0.171	±0.003	-45.5	-4.324e+14	-9.725e-01	-87.872			
					+52.7	+5.035e+14	+1.487e+00	+111.539			

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CH.SULZ..HHH	broadb	4.044	1.853	0.029	527.5	1.464e+15	2.407e+00	643.235	3.738e+10	52.863	107.854
		±0.019	±0.123	±0.002	-39.0	-9.237e+13	-5.734e-01	-40.199			
					+45.8	+9.859e+13	+7.108e-01	+45.941			
CH.TORNY..HHH	broadb	4.074	8.971	0.072	437.1	1.626e+15	3.034e+02	132.844	5.602e+12	107.885	201.466
		±0.018	±2.349	±0.007	-37.7	-9.607e+13	-1.886e+02	-27.567			
					+45.5	+1.021e+14	+3.445e+02	+47.126			
CH.TRULL..HHH	broadb	4.121	5.226	0.058	475.4	1.915e+15	7.065e+01	228.034	1.379e+12	92.173	90.988
		±0.019	±0.754	±0.004	-34.4	-1.198e+14	-2.915e+01	-28.755			
					+40.2	+1.278e+14	+4.227e+01	+38.452			
CH.WOLEN.BT.HHH	broadb	3.824	5.571	0.057	398.2	6.851e+14	3.062e+01	213.920	1.942e+11	76.493	185.928
		±0.011	±0.486	±0.003	-17.6	-2.653e+13	-8.234e+00	-17.159			
					+19.3	+2.760e+13	+1.031e+01	+20.438			
CH.ZUR..HHH	broadb	4.044	4.273	0.060	440.5	1.466e+15	2.957e+01	278.893	4.463e+11	91.217	111.337
		±0.013	±0.341	±0.003	-18.7	-6.226e+13	-7.508e+00	-20.611			
					+20.4	+6.503e+13	+9.311e+00	+24.185			
FR.BOUC.00.HHH	broadb	3.859	3.545	0.026	1130.5	7.737e+14	8.911e+00	336.152	6.341e+10	103.956	243.308
		±0.011	±0.183	±0.002	-63.3	-2.784e+13	-1.580e+00	-16.459			
					+71.3	+2.888e+13	+1.835e+00	+18.246			
FR.CHMF.00.HHH	broadb	3.926	5.162	0.051	439.8	9.752e+14	3.468e+01	230.852	3.230e+11	78.927	233.154
		±0.016	±0.528	±0.003	-24.1	-5.096e+13	-1.091e+01	-21.439			
					+27.1	+5.377e+13	+1.434e+01	+26.329			
FR.HOHE.00.HHH	broadb	4.102	7.313	0.073	435.5	1.793e+15	1.813e+02	162.962	3.564e+12	110.993	0.523
		±0.022	±1.691	±0.006	-35.0	-1.320e+14	-1.050e+02	-30.601			
					+41.7	+1.424e+14	+1.839e+02	+49.007			

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FR.HOHE.01.HNH	acc	4.181	11.751	0.061	522.1	2.352e+15	9.865e+02	101.412	6.247e+13	110.993	0.523
		±0.036	±9.859	±0.019	-125.5	-2.760e+14	-9.828e+02	-46.266			
					+241.6	+3.127e+14	+5.964e+03	+528.349			
FR.ILLF.00.HHH	broadb	4.101	6.224	0.038	168.3	1.782e+15	1.111e+02	191.475	1.885e+12	21.839	275.643
		±0.022	±1.000	±0.004	-17.3	-1.325e+14	-5.028e+01	-26.508			
					+21.8	+1.431e+14	+7.656e+01	+36.659			
FR.ILLF.01.HNH	acc	4.017	8.740	0.044	146.1	1.333e+15	2.301e+02	136.355	3.279e+12	21.839	275.628
		±0.021	±2.658	±0.008	-22.1	-9.521e+13	-1.581e+02	-31.798			
					+31.6	+1.025e+14	+3.194e+02	+59.591			
FR.RONF.00.HHH	broadb	3.824	5.512	0.025	718.9	6.855e+14	2.968e+01	216.196	1.979e+11	63.693	274.571
		±0.017	±0.688	±0.004	-88.3	-3.946e+13	-1.093e+01	-24.003			
					+117.0	+4.187e+13	+1.515e+01	+30.853			
FR.STR.00.HHH	broadb	4.362	15.865	0.074	407.4	4.403e+15	4.545e+03	75.114	3.188e+14	104.567	12.032
		±0.020	±13.114	±0.016	-71.9	-2.970e+14	-4.523e+03	-33.991			
					+111.2	+3.185e+14	+2.516e+04	+358.060			
FR.STR.10.HHH	broadb	4.217	16.138	0.074	405.8	2.664e+15	2.894e+03	73.843	1.215e+14	104.567	12.032
		±0.023	±13.293	±0.016	-71.2	-2.009e+14	-2.879e+03	-33.352			
					+109.6	+2.173e+14	+1.609e+04	+344.975			
FR.WALT.00.HHH	broadb	4.036	2.871	0.040	286.2	1.427e+15	8.735e+00	415.007	1.120e+11	38.872	336.274
		±0.019	±0.234	±0.003	-17.0	-8.947e+13	-2.393e+00	-31.304			
					+19.3	+9.546e+13	+3.056e+00	+36.866			
FR.WALT.01.HNH	acc	4.076	3.430	0.030	381.7	1.639e+15	1.710e+01	347.410	2.576e+11	38.872	336.274
		±0.014	±0.230	±0.002	-24.6	-7.638e+13	-3.864e+00	-21.846			
					+28.2	+8.011e+13	+4.695e+00	+24.989			

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FR.WLS.00.HHH	broadb	3.919	15.604	0.048	512.2	9.531e+14	9.363e+02	76.368	1.072e+13	84.467	354.015
		±0.021	±11.420	±0.014	-117.8	-6.815e+13	-9.195e+02	-32.272			
					+218.0	+7.339e+13	+4.302e+03	+208.440			
FR.XAFF.00.HHH	broadb	3.888	5.467	0.045	656.5	8.536e+14	3.606e+01	217.971	2.919e+11	104.741	322.592
		±0.014	±0.554	±0.003	-40.3	-4.088e+13	-1.114e+01	-20.056			
					+45.9	+4.294e+13	+1.454e+01	+24.580			
FR.ZELS.00.HHH	broadb	4.108	4.975	0.055	392.5	1.829e+15	5.821e+01	239.543	1.177e+12	72.844	9.623
		±0.022	±0.833	±0.006	-36.8	-1.364e+14	-2.712e+01	-34.359			
					+45.2	+1.473e+14	+4.188e+01	+48.181			
FR.ZELS.01.HNH	acc	4.263	15.546	0.064	339.7	3.121e+15	3.031e+03	76.657	8.925e+13	72.844	9.623
		±0.021	±11.623	±0.015	-64.7	-2.178e+14	-2.986e+03	-32.795			
					+104.6	+2.341e+14	+1.437e+04	+227.173			
GR.BFO..HHH	broadb	3.829	2.863	0.031	903.7	6.968e+14	4.228e+00	416.220	2.759e+10	98.634	40.778
		±0.012	±0.142	±0.002	-42.3	-2.837e+13	-7.454e-01	-19.645			
					+46.6	+2.957e+13	+8.673e-01	+21.692			
RA.STBO.00.HNH	acc	4.132	4.524	0.038	248.6	1.983e+15	4.748e+01	263.405	8.402e+11	30.123	323.821
		±0.009	±0.298	±0.002	-12.8	-6.188e+13	-9.974e+00	-16.255			
					+14.2	+6.387e+13	+1.185e+01	+18.544			
RA.STBR.00.HNH	acc	3.913	5.658	0.011	482.4	9.325e+14	4.367e+01	210.609	4.292e+11	19.242	300.271
		±0.019	±0.806	±0.004	-126.6	-5.791e+13	-1.784e+01	-26.254			
					+266.6	+6.174e+13	+2.575e+01	+34.973			
RA.STBU.00.HNH	acc	3.668	8.773	0.015	1037.3	3.999e+14	6.979e+01	135.842	2.890e+11	54.310	297.498
		±0.016	±1.924	±0.006	-290.8	-2.159e+13	-3.838e+01	-24.434			
					+662.0	+2.282e+13	+6.395e+01	+38.163			

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RA.STDM.00.HNH	acc	3.881	13.774	0.033	638.6	8.352e+14	5.642e+02	86.517	5.480e+12	73.480	301.008
		±0.022	±9.540	±0.015	-196.2	-6.116e+13	-5.490e+02	-35.402			
					+509.1	+6.599e+13	+2.388e+03	+194.926			
RA.STFL.00.HNH	acc	3.931	4.951	0.034	785.0	9.906e+14	3.109e+01	240.672	2.748e+11	93.606	228.231
		±0.013	±0.415	±0.003	-54.1	-4.268e+13	-8.206e+00	-18.601			
					+62.8	+4.460e+13	+1.027e+01	+22.002			
RA.STHE.00.HNH	acc	4.138	3.295	0.027	205.4	2.027e+15	1.874e+01	361.685	3.514e+11	18.099	150.289
		±0.010	±0.173	±0.002	-12.2	-7.005e+13	-3.347e+00	-18.016			
					+13.9	+7.256e+13	+3.886e+00	+20.009			
RA.STMU.00.HNH	acc	4.337	5.623	0.044	706.0	4.030e+15	1.852e+02	211.934	1.236e+13	105.023	12.070
		±0.015	±0.833	±0.005	-69.8	-2.052e+14	-7.655e+01	-27.343			
					+87.1	+2.162e+14	+1.101e+02	+36.853			
RA.STR.00.HNH	acc	4.373	16.322	0.075	401.5	4.560e+15	5.126e+03	73.012	3.564e+14	104.546	12.035
		±0.020	±13.139	±0.015	-67.2	-3.009e+14	-5.090e+03	-32.563			
					+101.1	+3.222e+14	+2.715e+04	+301.465			
RA.STRB.00.HNH	acc	3.908	11.705	0.037	138.6	9.149e+14	3.793e+02	101.813	3.446e+12	18.468	301.688
		±0.014	±4.129	±0.008	-24.8	-4.310e+13	-2.813e+02	-26.551			
					+38.5	+4.523e+13	+6.061e+02	+55.496			
RA.STUF.00.HNH	acc	3.864	14.180	0.037	110.5	7.858e+14	5.792e+02	84.038	5.160e+12	14.785	222.830
		±0.024	±11.377	±0.016	-33.9	-6.352e+13	-5.751e+02	-37.410			
					+87.9	+6.911e+13	+3.110e+03	+341.109			
Z3.A060B..HHH	broadb	3.896	7.123	0.074	341.8	8.803e+14	8.224e+01	167.303	7.328e+11	85.749	152.805
		±0.018	±1.764	±0.009	-35.0	-5.166e+13	-4.928e+01	-33.209			
					+44.1	+5.488e+13	+8.744e+01	+55.073			