Figure 1. Time-Series Plot of Wave Breaker Heights at Newport, Oregon (1972-1973).

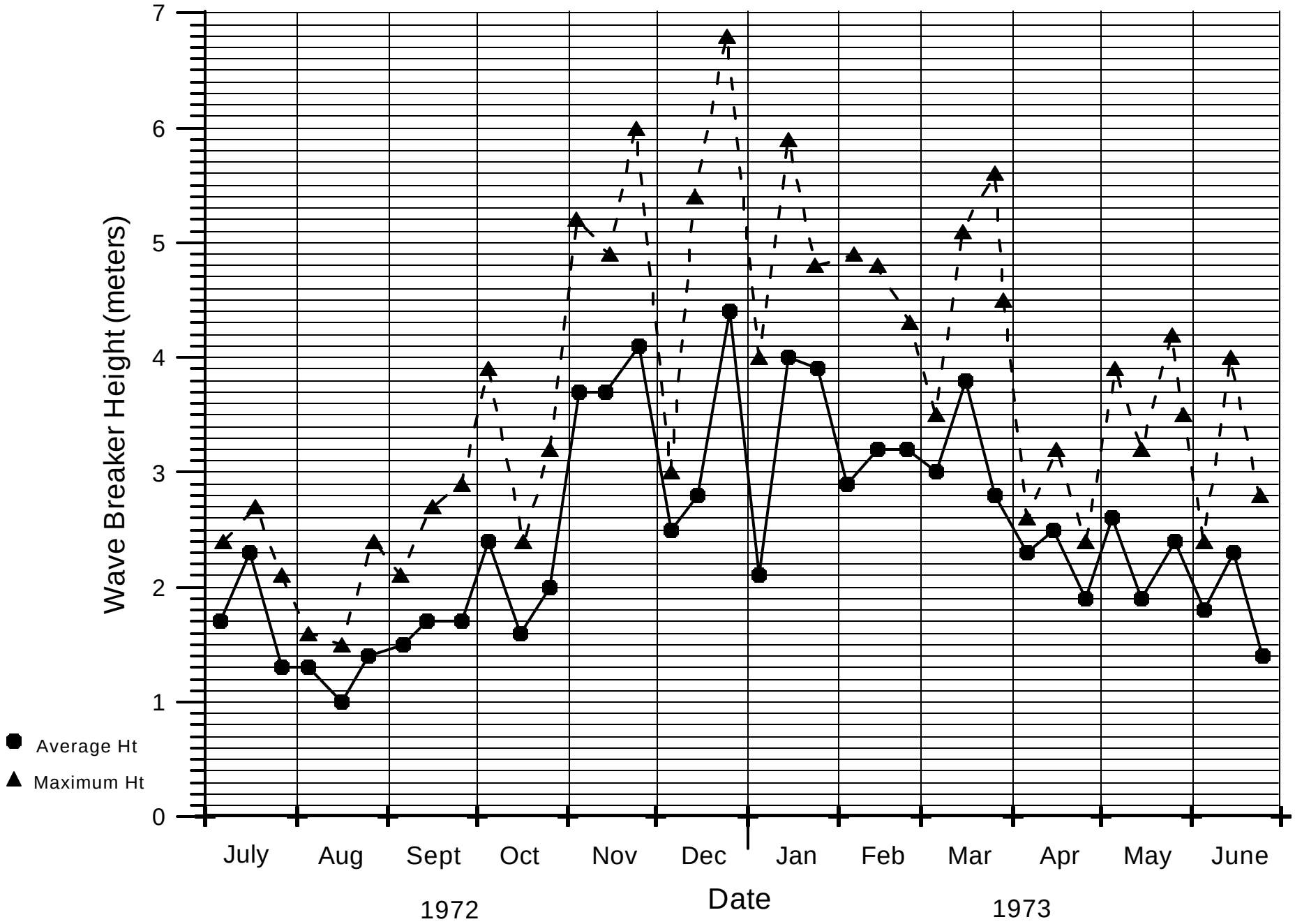
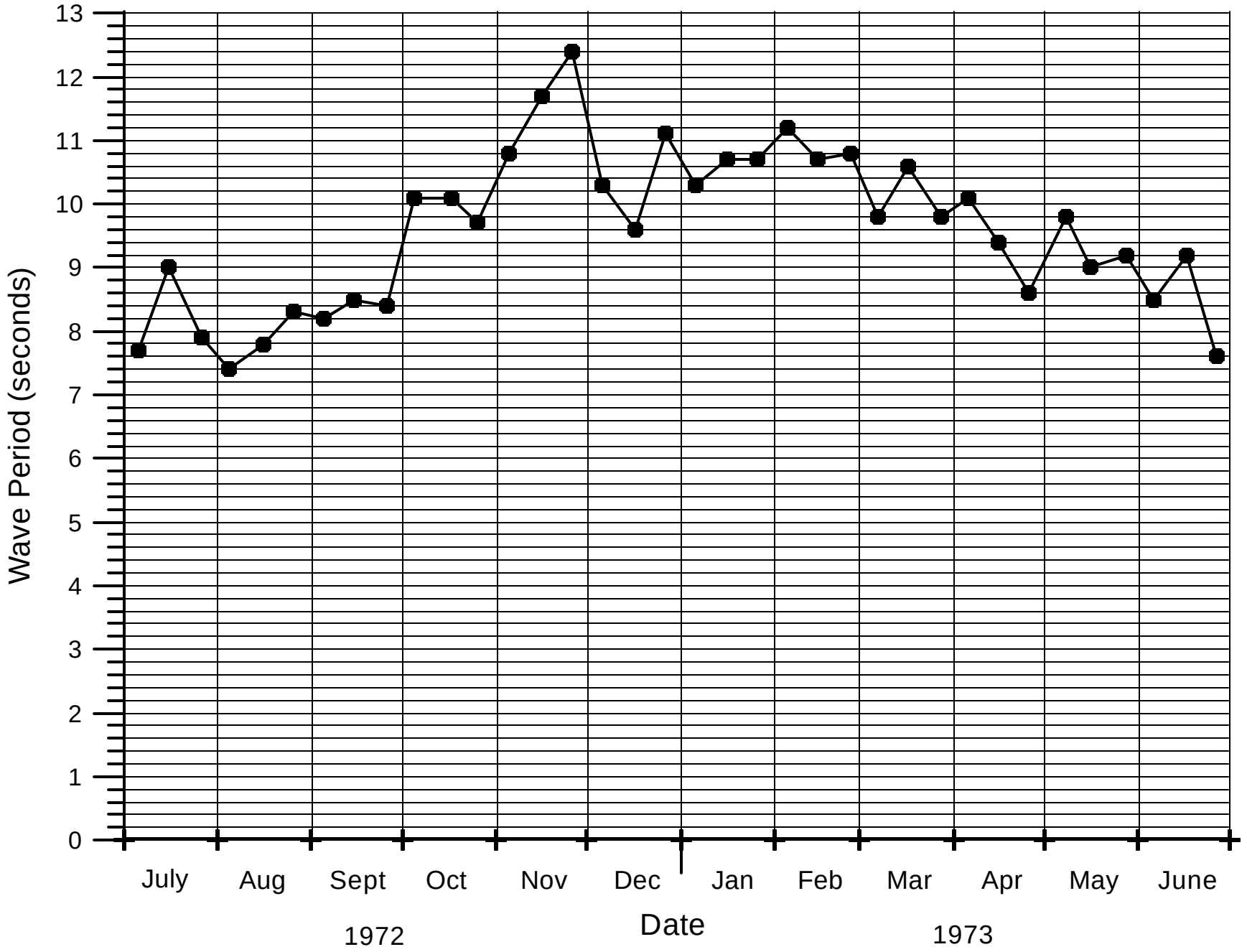
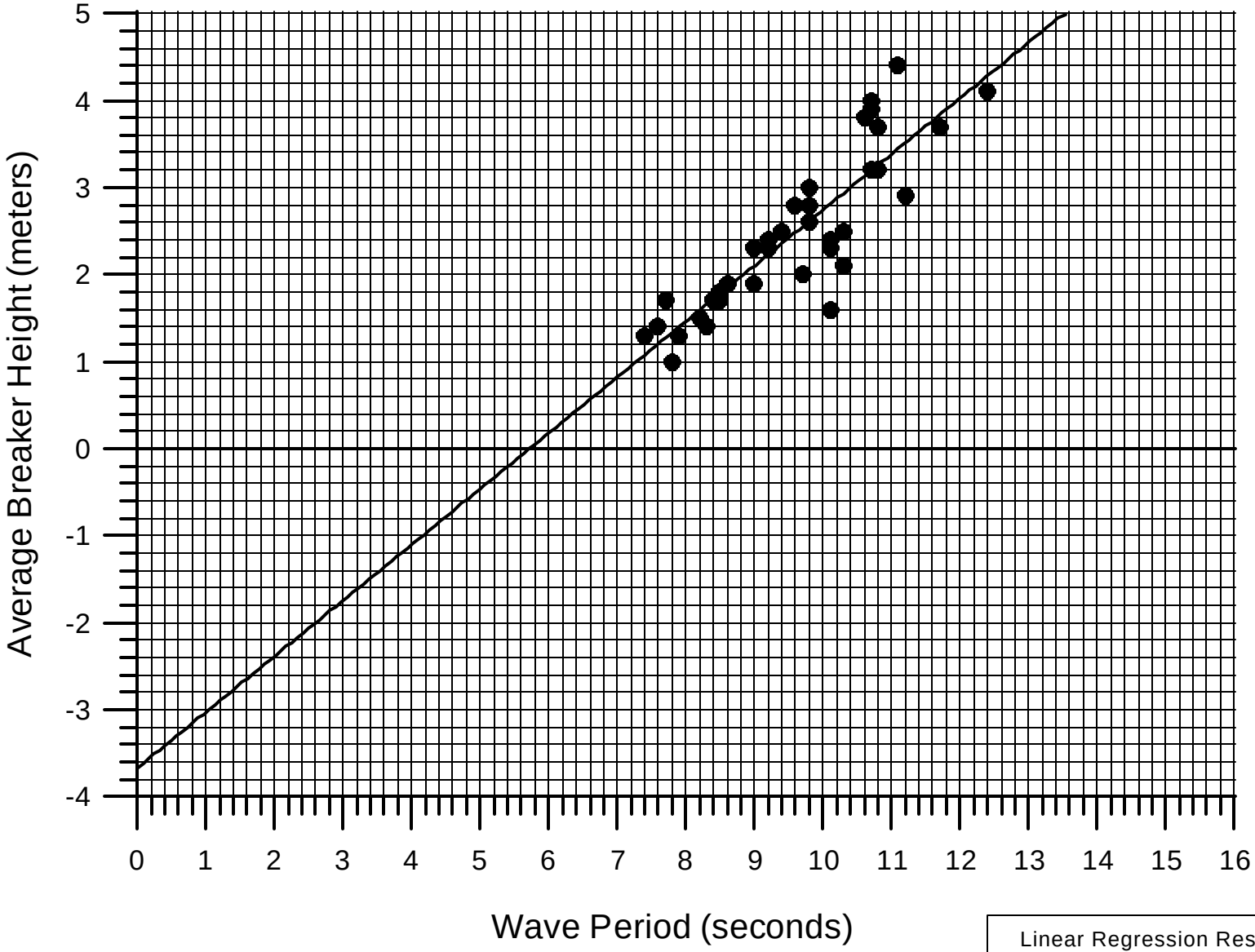


Figure 2. Time-Series Plot of Wave Period at Newport, Oregon (1972-1973).



wou:geomorph:f00:coastlab:npwave2.grf (coastdat.dat)

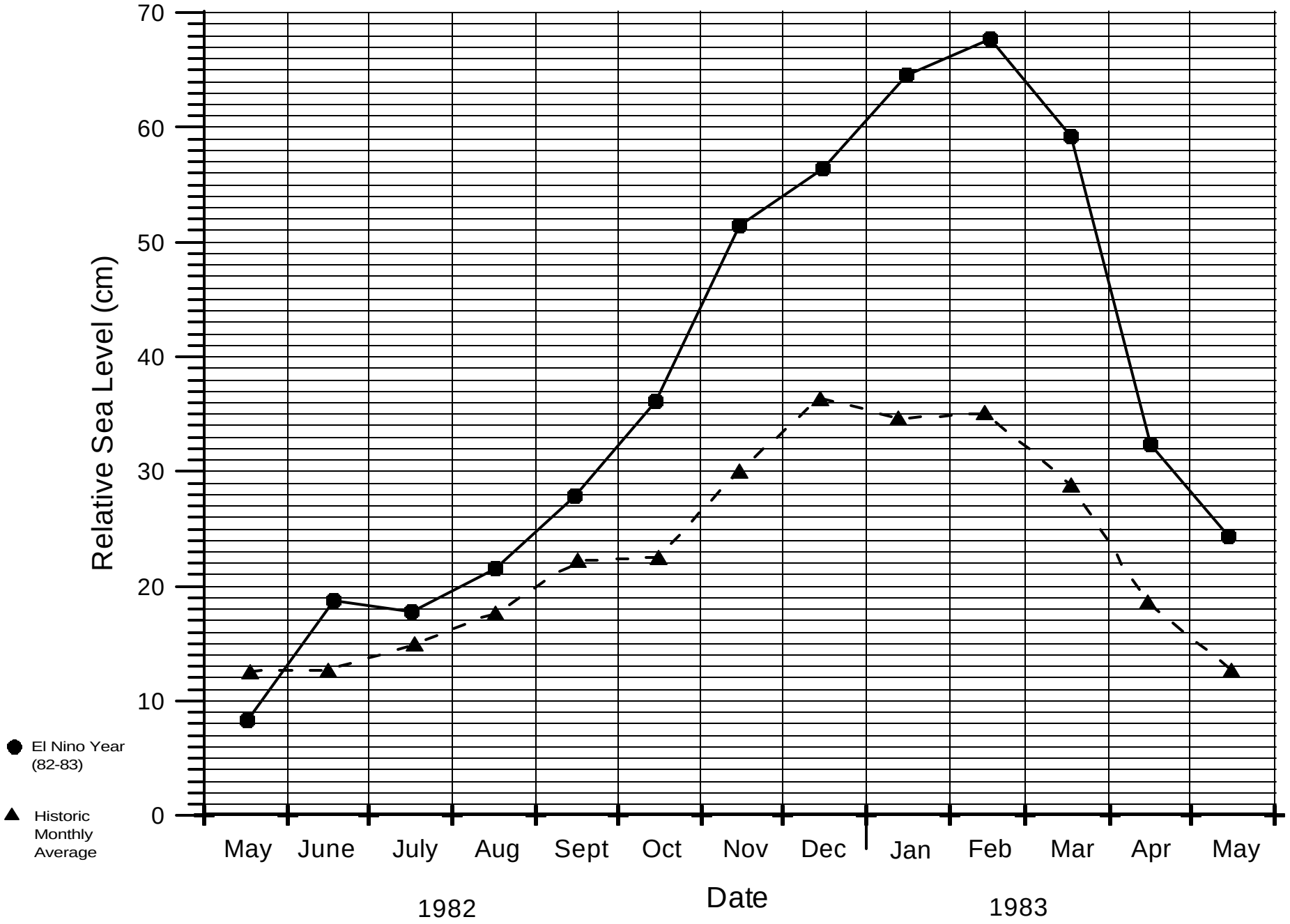
Figure 3. Plot of Wave Period (sec) vs. Average Breaker Height (m) Newport, Oregon (1972-1973).



Linear Regression Results:
Ht = (0.64 * T) - 3.67017
R-squared = 0.76

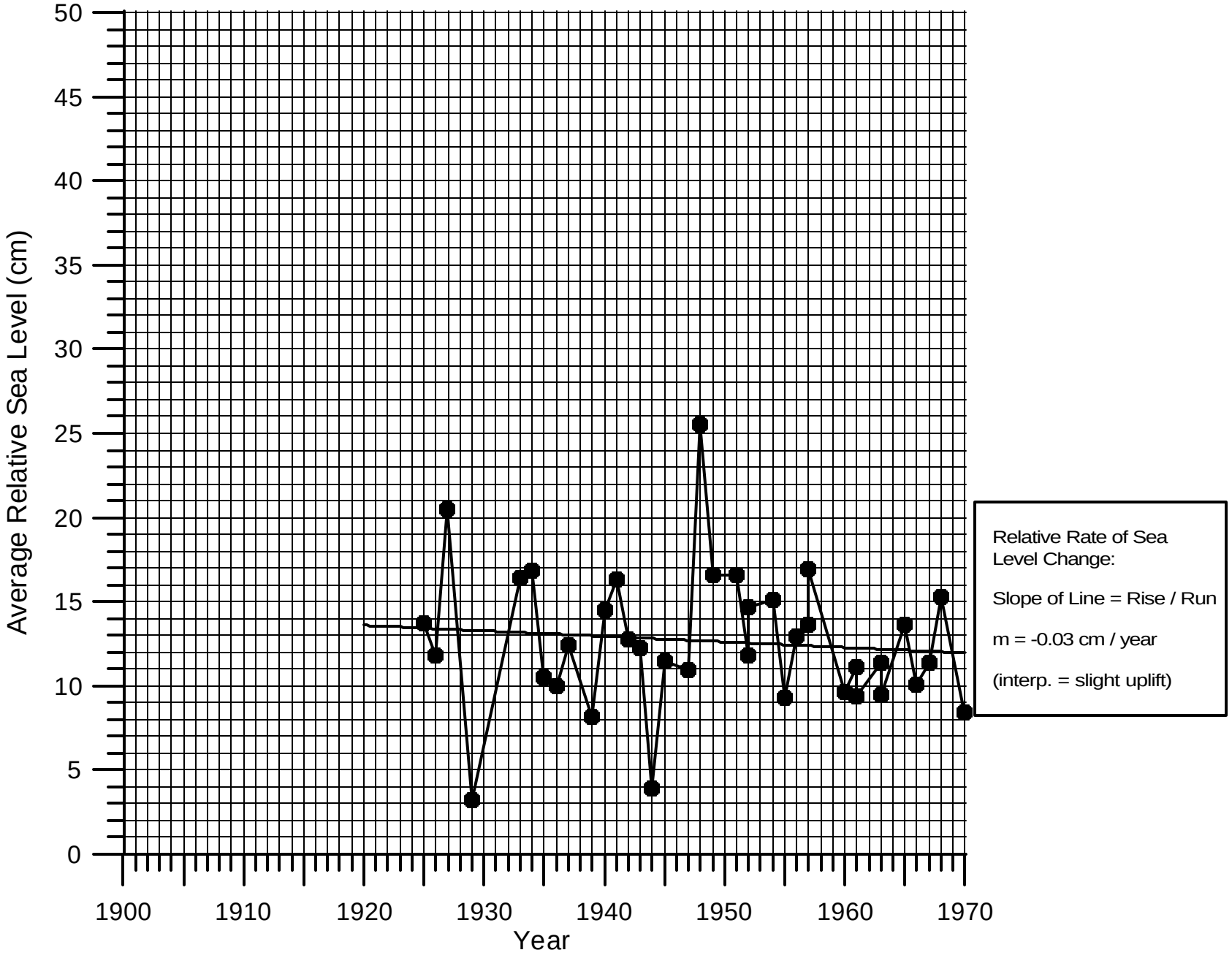
wou:geomorph:f00:coastlab:npwavet.grf

Figure 4. Plot of Average Monthly Relative Sea Levels at Yaquina Bay -
El Nino Year (1982-1983) Compared to Long-Term Historic Data



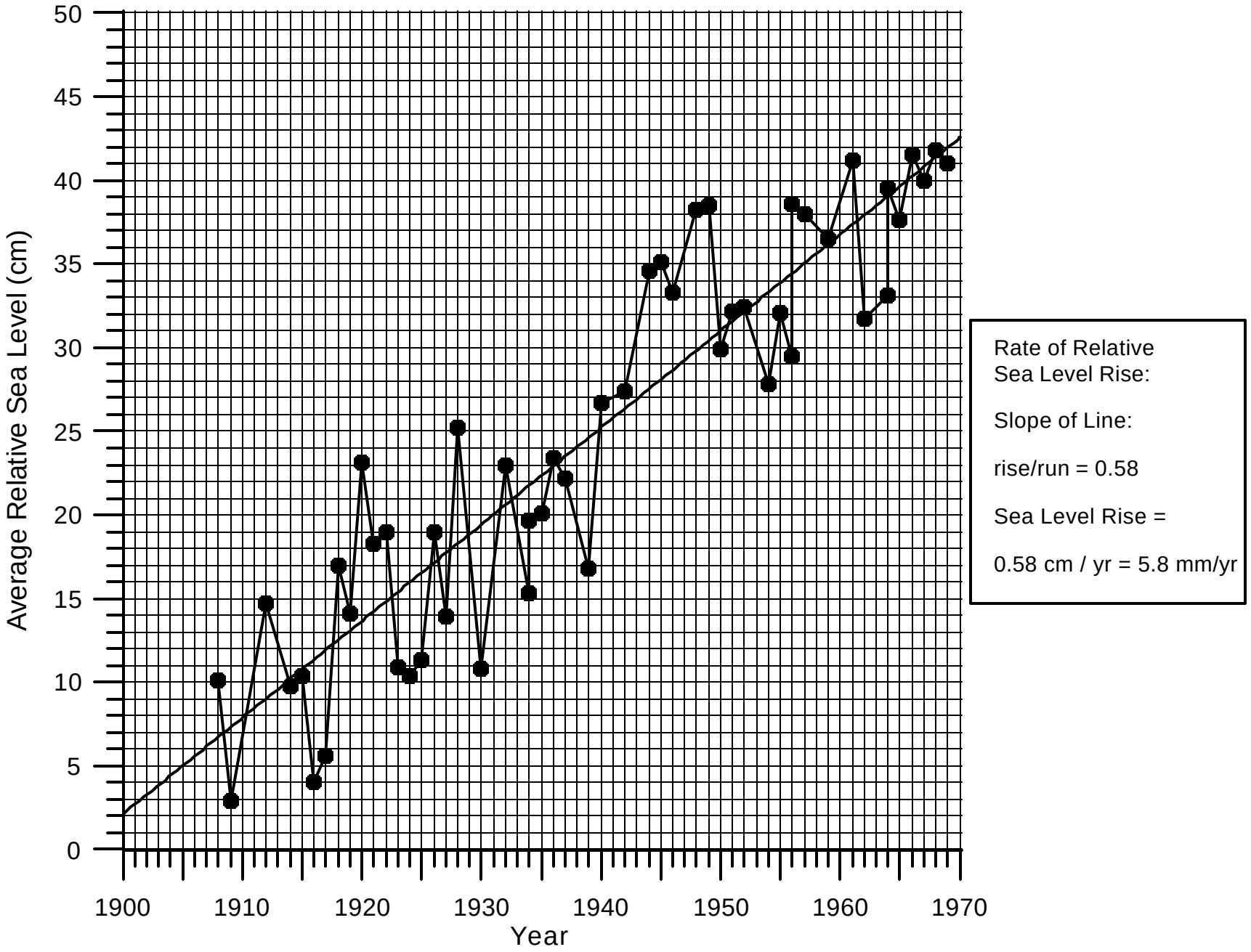
wou:geomorph:f00:coastlab:yaqsl.grf (coastdat.dat)

Figure 5A. Plot of Yearly Changes in Average Relative Sea Levels at Astoria, Oregon



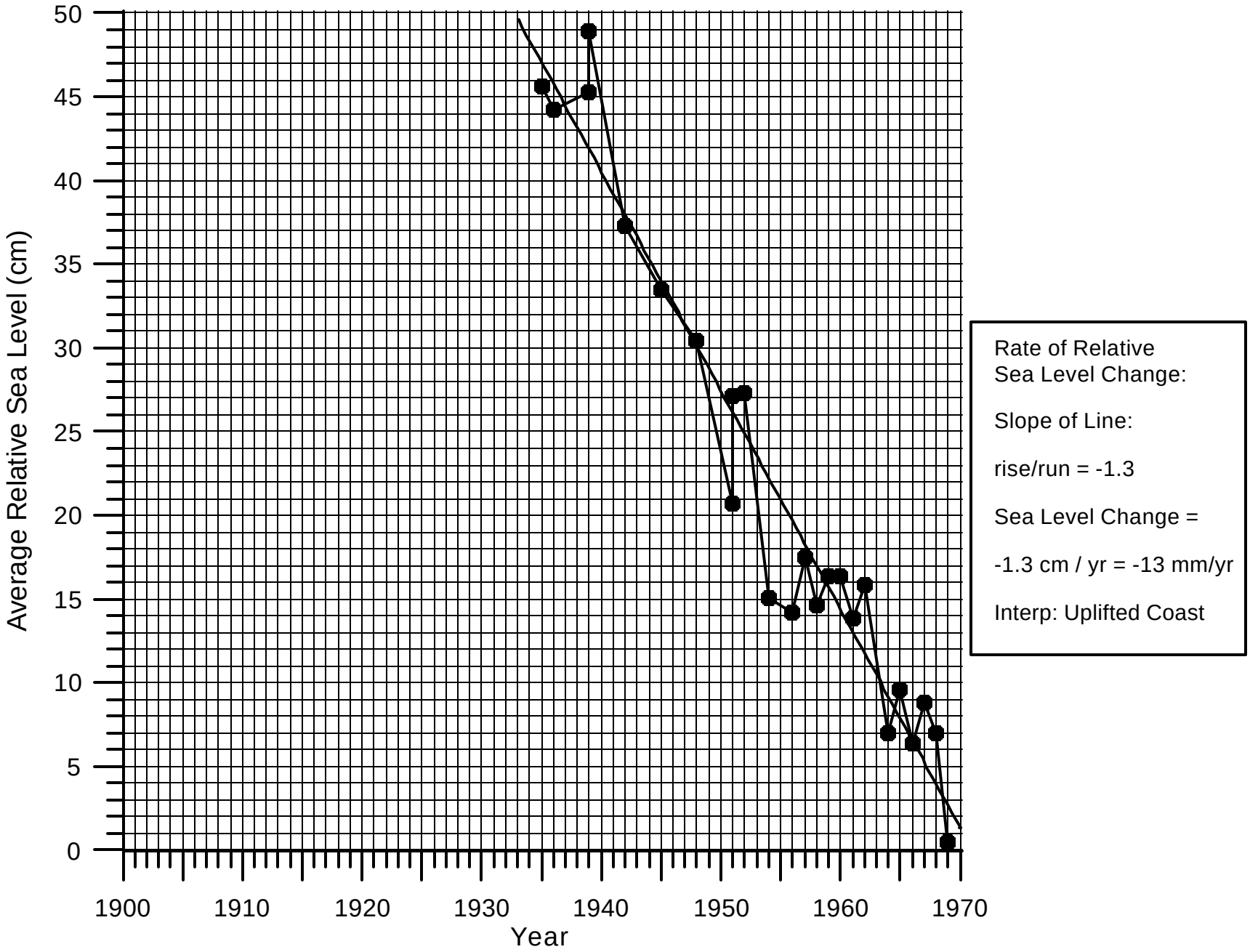
wou:geomorph:f00:coastlab:astorsl.grf (coastdat.dat)

Figure 5B. Plot of Yearly Changes in Average Relative Sea Levels at Galveston, TX



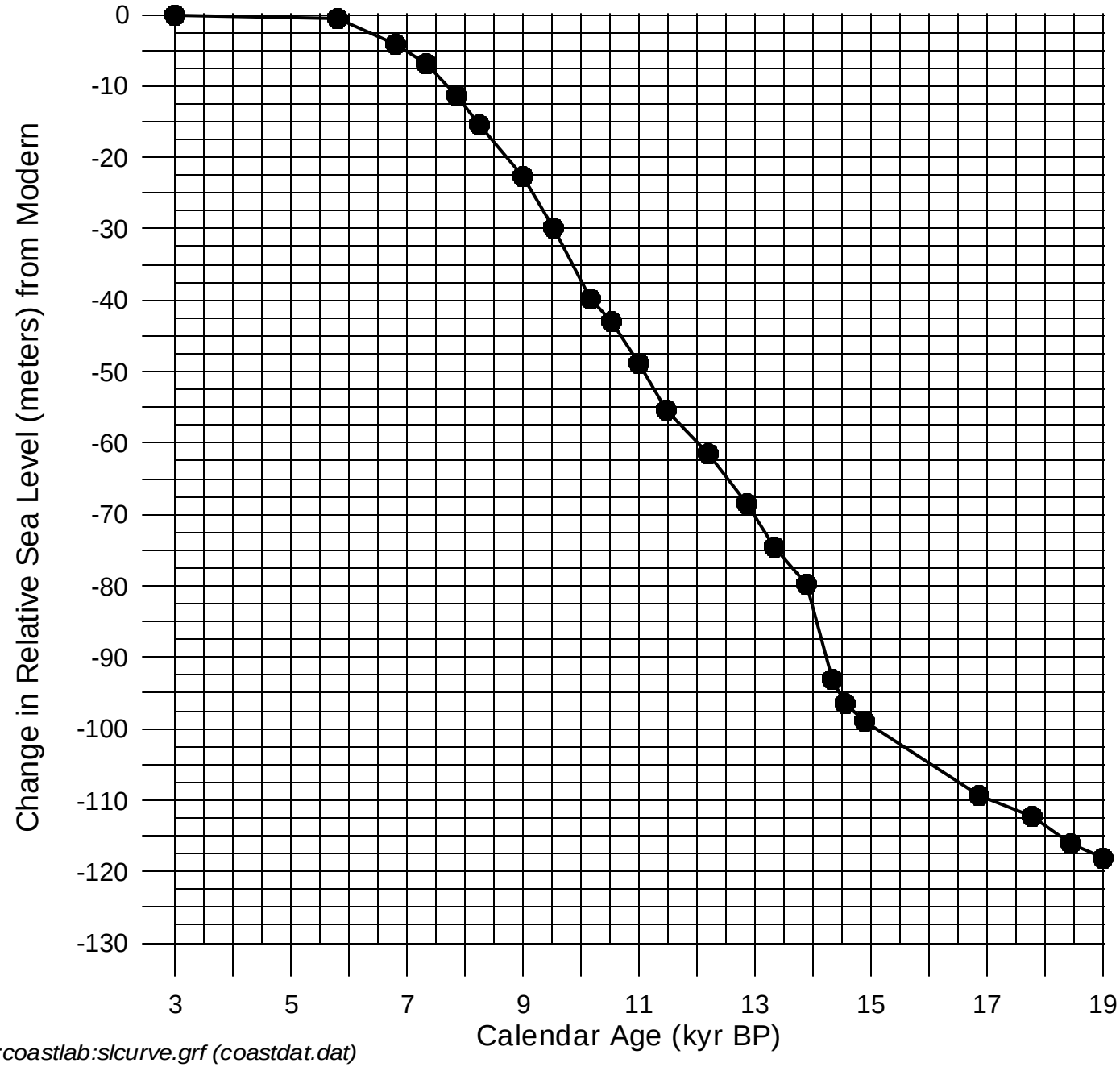
wou:geomorph:f00:coastlab:galvsl.grf (coastdat.dat)

Figure 5C. Plot of Yearly Changes in Average Relative Sea Levels at Junea, AK



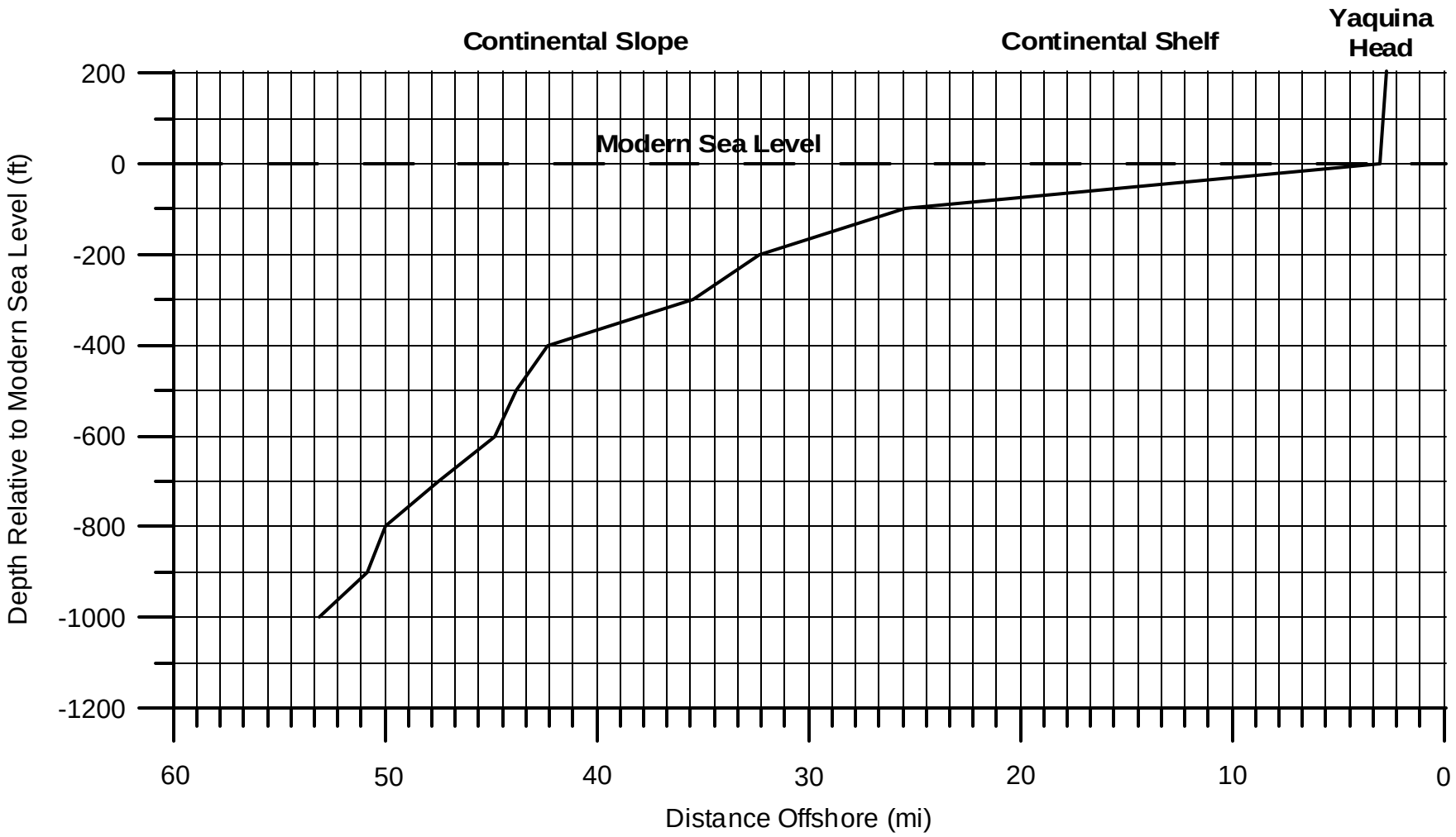
wou:geomorph:f00:coastlab:juneausl.grf (coastdat.dat)

Figure 5D. Reconstructed Global Sea Level Curve for the Late Pleistocene.



c:wou:geomorph:f00:coastlab:slcurve.grf (coastdat.dat)

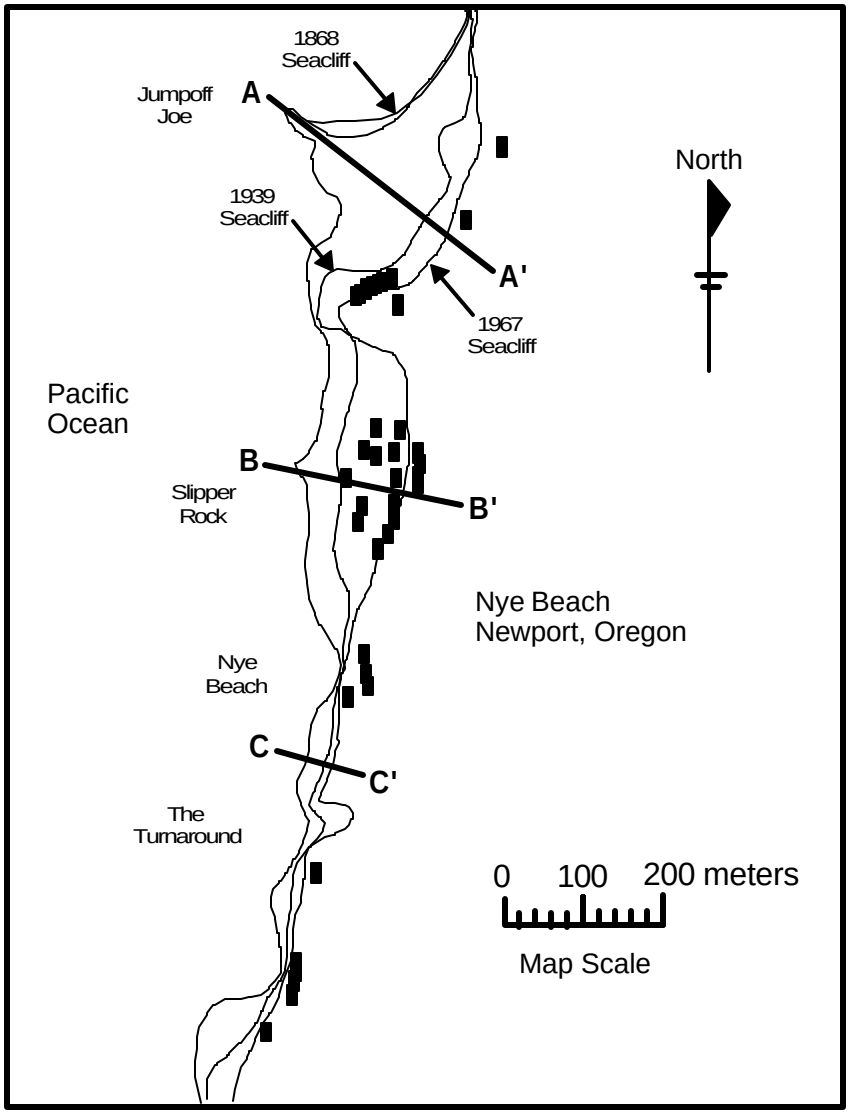
Figure 5E. Profile of the Continental Shelf, West of Newport Oregon.



c:wou:geomorph:f00:coastlab:shlfprof.grf (shlfprof.dat)

ANSWER KEY

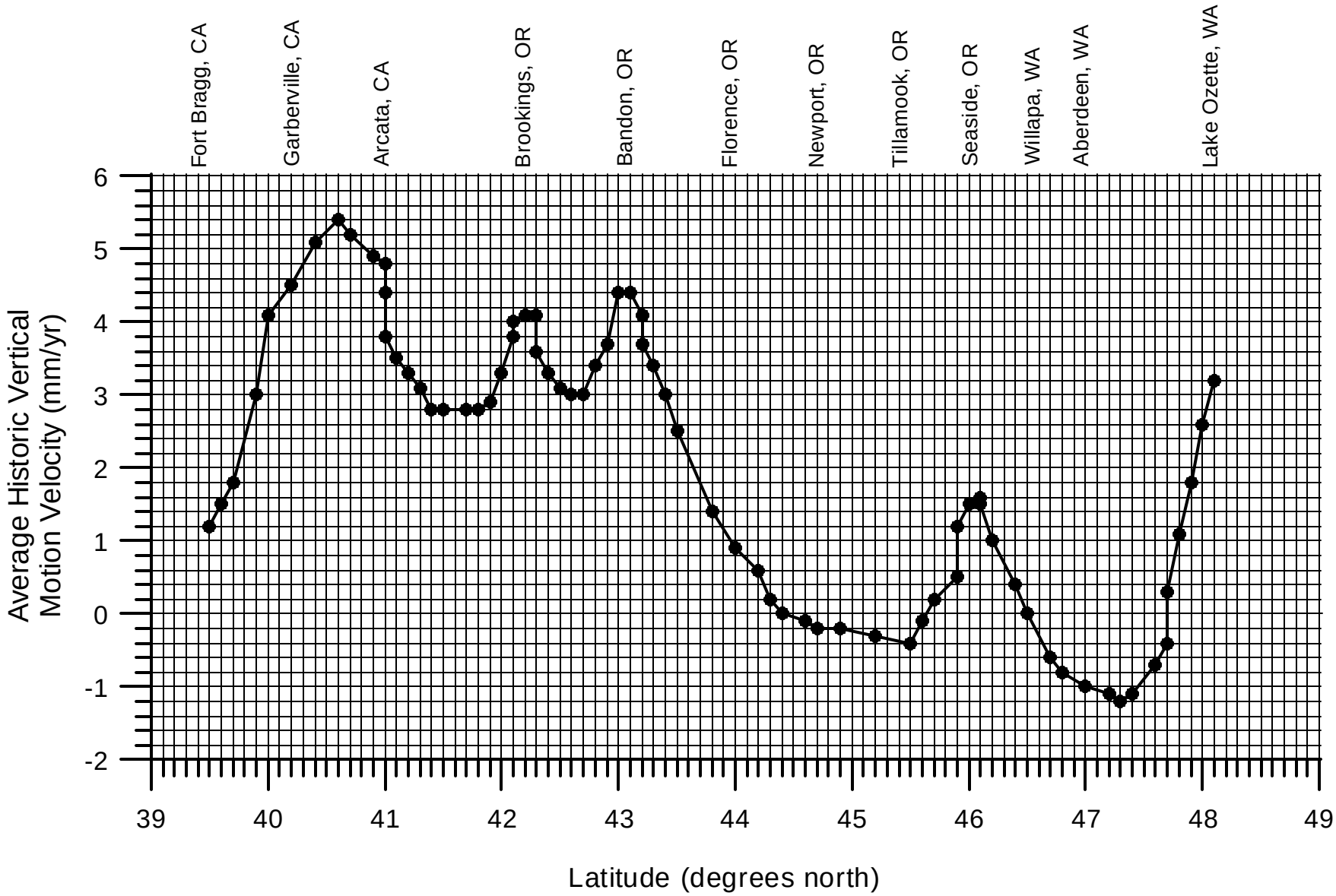
Figure 6. Map showing sea cliff retreat in the Jumpoff Joe area of Newport, Oregon (from Komar, 1992; as documented by Stembridge, 1976).



Section	Record Period	Distance (meters)	Time (yrs)	Retreat Rate (m/yr)
A-A'	1868-1939	220	71	3.10
A-A'	1939-1967	40	28	1.43
A-A'	1868-1967	260	99	2.63
B-B'	1868-1939	60	71	0.85
B-B'	1939-1967	80	28	2.86
B-B'	1868-1967	140	99	1.41
C-C'	1868-1939	25	71	0.35
C-C'	1939-1967	12	28	0.43
C-C'	1868-1967	37	99	0.37

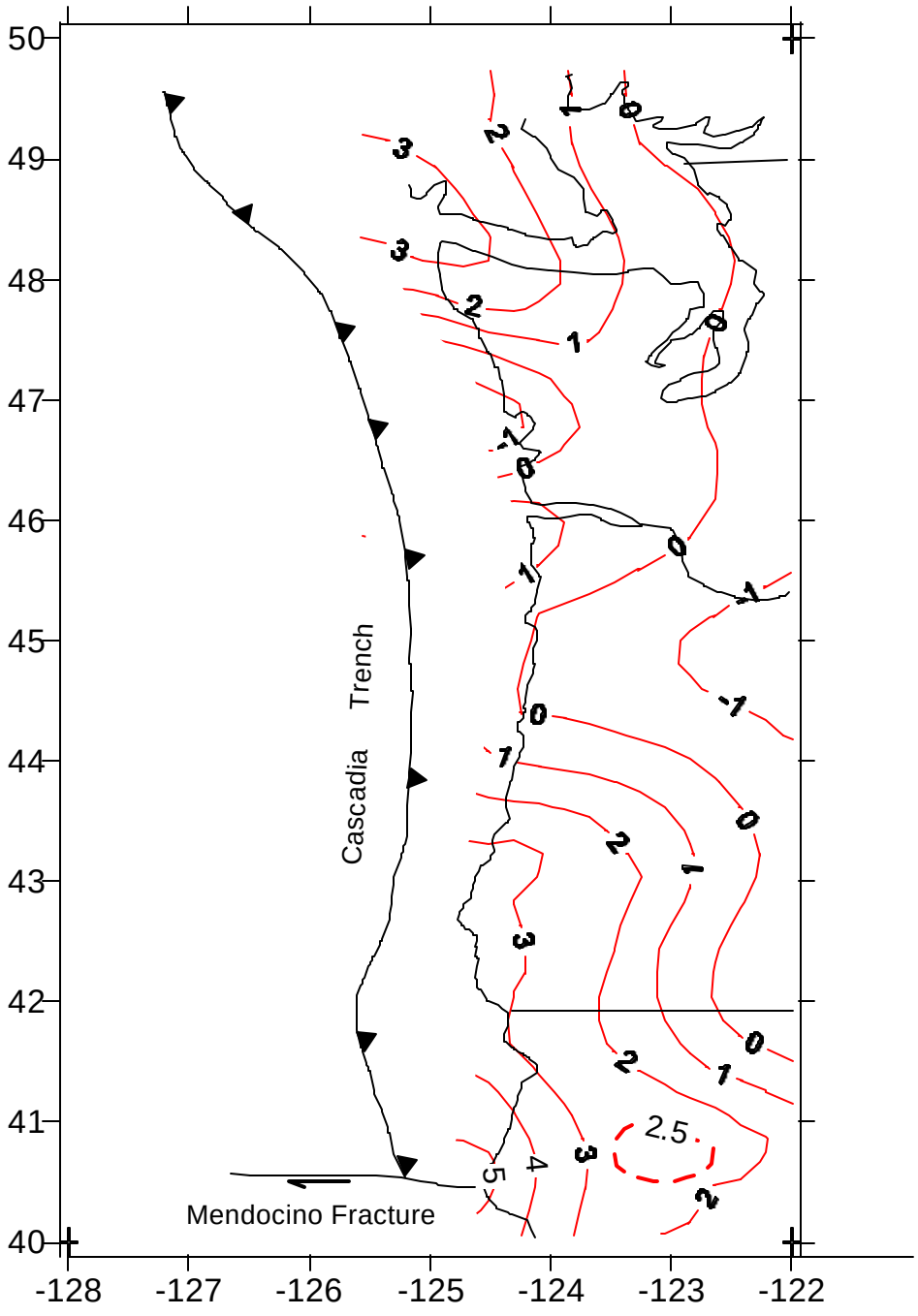
wou:geomorph:f00:coastlab:fig6key.srf

Figure 7. Plot of South-to-North Average Uplift Rate Profiles Along the Coast of the Pacific Northwest



wou:geomorph:f00:coastlab:coastup.grf (uplift.dat)

Average Uplift Rates in the Pacific Northwest
(after Mitchell et al., 1994)



Contours = Rate of Average Vertical Uplift (mm/yr)

c:wou:geomorph:coastlab:pnwup.srf

Table 5. Worksheet Calculation of Late Quaternary Uplift Rates in the PNW, as Derived from Marine Terrace Data (data derived from Muhs et al., 1990).

ANSWER KEY

Terrace Name	Location	Terrace Age (ka)	Present Elevation (m)	Original Depth of Wave-Cut Platform (meters)	Paleo-Sea Level (meters)	Total Tectonic Uplift (meters)	Average Uplift Rate (m/kyr)	Average Uplift Rate (mm/yr)
		a	*b*	*c*	*d*	*e*	*f*	*g*
Whiskey Run	Coquille Point, OR	80	17	14	-19	50	0.63	0.63
Whiskey Run	Coquille Point, OR	80	17	48	-19	84	1.05	1.05
Whiskey Run	Coquille Point, OR	80	17	14	-5	36	0.45	0.45
Whiskey Run	Coquille Point, OR	80	17	48	-5	70	0.88	0.88
Cape Blanco	Cape Blanco, OR	80	53	10	-19	82	1.03	1.03
Cape Blanco	Cape Blanco, OR	80	53	28	-19	100	1.25	1.25
Cape Blanco	Cape Blanco, OR	80	53	10	-5	68	0.85	0.85
Cape Blanco	Cape Blanco, OR	80	53	28	-5	86	1.08	1.08
Pioneer	Cape Blanco, OR	105	57	26	-9	92	0.88	0.88
Pioneer	Cape Blanco, OR	105	57	90	-9	156	1.49	1.49
Pioneer	Cape Blanco, OR	105	57	26	-2	85	0.81	0.81
Pioneer	Cape Blanco, OR	105	57	90	-2	149	1.42	1.42

Explanation of Data:

Column a: "ka" = kiloans = 1000's of years ago (how long ago the wave-cut platform was formed)
Column b: "present elevation" = present day elevation of coastal terrace above sea level
Column c: "original depth" = original depth of wave-cut platform below sea level, at time of wave erosion
Column d: "paleo-sea level" = level of sea, relative to present, at time wave-cut platform was eroded
Column e: total tectonic uplift of wave-cut platform from time in column a to present.
Column f: tectonic uplift rate of terrace in meters per 1000 yrs
Column g: tectonic uplift rate of terrace in millimeters per yr

c:wou:geomorph:f2000:coastlab:table5key.xls