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DRIFTING BUOY DATA FROM THE EASTERN EQUATORIAL PACIFIC FOR THE PERIOD JUNE 1, 1985 THROUGH JUNE 30, 1987

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INTRODUCTION

A total of 60 satellite-tracked free drifting buoys were in operation in the eastern tropical Pacific Ocean during the period June 1, 1985 through June 30, 1987. Details of their trajectories and performances are presented and discussed in this data report.

BUOY CONSTRUCTION

With the exception of two buoys (4420 and 4422) that were of the FGGE design constructed by the Polar Research Laboratory, Inc. and two other buoys (6224 and 6230) made by Technocean, these buoys were designed and built at NOAA/AOML (Bitterman and Hansen, 1986).

As a test and to compare their performance, one of the Technocean buoys (6224) was deployed with two AOML mini-buoys (4806 and 4814) and another (6230) with 4807 and 4811. Detailed trajectories of these two sets are shown on pages 15 and 16.

All AOML buoys were deployed with a 10 m length subsurface holey sock drogue on a 10 m long nylon tether and contained a drogue sensor and sea surface temperature and voltage sensors. Buoys 2084 and 2086 did not have drogues, and buoy 2087 had a drogue but no drogue sensor. The FGGE-type buoys carried 2 m x 10 m windowshade drogues on a 10 m long tether, and the full set of sensors. The Technocean buoys used a TRISTAR drogue, but were released without a drogue-loss sensor.

DATA ACQUISITION AND PROCESSING

Messages transmitted by the buoys are received by the satellites and relayed to the ground stations, then sent to the Argos Global Processing Centers, where they convert buoy message into location and/or sensor data, and finally distributed to the owners.

Once a month a tape was sent to AOML where the data were edited and interpolated (Pazos, 1988).

DATA DISPLAY

Table 1 shows a complete history for each buoy. Table 2 shows conversion from Julian Days (taking January 1, 1979 as day 1) to day, month and year. Bar charts are presented in Figures 1-4 to illustrate time of deployments and length of buoy lives. A spaghetti diagram is displayed on page 14, where beginning of each track is marked with a star, and ending of the track is marked with a closed circle. Monthly displacement of buoys can be found from pages 17 to 25. Trajectory and time series plots for each buoy are displayed from pages 26 to 254. The first part of the track of buoys 2084, 2086 and

2087 were discussed and presented in a previous data report. Trajectory plots show the tracks from beginning to end of life, but time series plots show only the section after June 1, 1985. For all other buoys, the entire track and time series plots are displayed even if it continues after June 30, 1987. On each trajectory, the deployment position is marked with a star, a closed circle indicates end of track and an asterisk shows where the drogue was lost, if the buoy ends with its drogue on, an asterisk will not show up at all.

The temperature sensor record of some buoys is shorter than the trajectory because the sensor failed before the end of the buoy life (2982, 2984, 3141, 3134).

The trajectory of buoy 2280 shows a divided track because a ship picked it up for some time and then re-deployed it. The trajectory while it was on the ship was deleted.

BIBLIOGRAPHY

Bitterman, D. S., and D. V. Hansen (1986). Proceedings, NDS '86 Marine Data Systems International Symposium, April 30-May 2, 1986, New Orleans, LA, pp. 575-581.

Pazos, M. C. (1988). Drifting buoy data from the equatorial Pacific Ocean for the period January 1, 1984 through May 31, 1985. NOAA Data Report ERL AOML-11.

Table 1. Drift Buoy History

ID	DEP. TIME M	D	Y	DEP LAT	DEP LON	END TIME M	D	Y	DROG LOST M	D	Y	DEATH CODE	NO. DAYS LIFE	DROGUED
2084	6	29.00	84	0.02	85.04	10	30.00	85	6	29.00	84	3	488	0
2086	6	27.00	84	-4.50	85.00	10	11.00	85	6	27.00	84	3	471	0
2087	6	27.00	84	-4.50	85.00	10	29.00	85	10	29.00	85	3	489	489
2091	12	22.00	85	-12.50	78.10	4	11.00	87	10	14.00	86	3	475	296
2092	12	18.00	85	-9.60	79.20	4	6.00	87	4	6.00	87	3	474	474
2093	9	18.00	85	-1.90	85.00	10	25.00	86	10	25.00	86	3	402	402
2094	4	1.00	86	-12.80	79.78	5	18.00	87	5	18.00	87	3	412	412
2095	10	13.00	85	6.99	143.79	12	26.00	85	12	26.00	85	3	74	74
2096	9	25.00	85	2.95	88.52	11	22.00	85	10	25.00	85	2	58	30
2097	11	22.00	85	-14.99	89.99	7	6.00	86	7	6.00	86	3	226	226
2098	11	23.00	85	-15.00	85.00	1	1.00	87	7	20.00	86	3	404	239
2099	12	6.00	85	0.00	85.00	1	3.00	86	1	3.00	86	1	28	28
2243	3	31.19	86	-2.11	83.90	12	20.00	86	12	20.00	86	3	264	264
2244	9	19.00	85	-1.43	83.50	6	16.00	86	4	9.00	86	3	270	202
2245	6	17.00	85	-0.01	95.03	7	30.00	86	1	7.00	86	3	408	204
2246	7	1.14	85	0.31	139.89	9	7.95	85	9	7.00	85	3	69	69
2247	6	26.00	85	-0.08	124.60	10	22.00	86	11	29.00	85	3	483	156
2249	6	20.00	85	0.00	105.58	7	29.00	86	7	29.00	86	3	404	404
2280	9	29.00	85	0.05	96.66	10	23.00	86	1	17.00	86	3	389	110
2281	11	7.30	85	7.00	115.00	12	24.00	86	2	20.00	86	3	412	105
2282	11	11.00	85	0.00	110.00	1	13.00	87	2	5.00	86	3	428	86
2283	11	16.50	85	-15.00	110.00	1	5.00	87	12	11.00	85	3	415	25
2284	11	19.50	85	-14.90	100.00	3	8.00	87	4	19.00	86	3	474	151
2285	10	7.00	85	0.00	134.00	10	27.69	86	11	25.00	85	3	386	49
2286	10	4.00	85	0.00	120.00	11	29.65	86	12	4.00	85	3	422	61
2287	9	29.00	85	-0.16	105.90	9	16.00	86	6	19.00	86	3	352	263
2970	4	23.00	86	0.60	109.60	6	14.00	86	6	14.00	86	3	52	52
2971	4	22.00	86	0.40	109.90	7	18.00	86	7	18.00	86	3	87	87
2972	5	7.00	86	-10.80	80.06	5	12.00	86	5	12.00	86	3	5	5
2973	5	11.00	86	-4.90	82.40	2	25.00	87	2	25.00	87	3	290	290
2975	5	12.00	86	-2.00	84.90	7	20.00	86	7	20.00	86	3	69	69
2976	5	13.80	86	1.50	84.90	6	12.00	86	6	12.00	86	1	29	29
2980	5	24.89	86	-0.06	94.90	1	6.00	87	1	6.00	87	1	226	226
2981	5	26.30	86	-0.03	100.90	3	7.00	87	2	7.00	87	3	285	257
2982	5	28.39	86	-0.05	107.80	5	4.00	87	5	4.00	87	3	341	341
2983	6	3.89	86	0.20	114.50	6	19.00	87	9	1.00	86	3	380	90
2984	6	7.39	86	0.60	118.70	3	27.00	87	3	27.00	87	3	293	293
2985	6	9.89	86	0.00	129.80	8	24.00	87	9	20.00	86	3	440	103
3130	10	1.00	86	-12.40	77.80	10	18.00	87	10	18.00	87	3	382	382
3131	11	18.00	86	-4.80	82.00	8	25.00	87	8	25.00	87	3	280	280
3134	8	7.39	86	7.00	124.00	5	6.06	87	12	9.00	86	3	272	124
3135	8	9.97	86	-0.77	125.01	7	7.54	87	12	7.00	86	3	332	120
3136	10	8.00	86	4.40	87.10	11	4.00	86	11	4.00	86	3	27	27
3137	8	17.39	86	7.00	117.50	2	15.42	87	12	29.00	86	1	182	134
3138	9	16.00	86	-0.20	109.80	1	11.00	88	4	9.00	87	3	482	205
3139	9	23.00	86	0.80	103.50	2	17.00	88	12	27.00	86	3	512	95
3140	9	21.80	86	5.90	95.40	7	10.00	87	1	4.00	87	3	291	105
3141	11	27.00	86	7.80	124.30	7	31.00	87	7	31.00	87	3	245	245
4420	5	7.00	85	0.00	119.57	7	2.00	85	7	2.00	85	3	56	56
4422	5	9.00	85	0.09	110.00	3	9.00	86	9	15.00	85	3	304	129

Table 1. Drift Buoy History (Cont)

ID	DEP. TIME M	D	Y	DEP LAT	DEP LON	END TIME M	D	Y	DROG LOST M	D	Y	DEATH CODE	NO. DAYS LIFE	DROGUED
4806	11	19.00	86	0.00	109.90	1	21.00	88	1	21.00	88	3	428	428
4807	12	10.51	86	0.00	85.00	2	21.00	88	2	21.00	88	3	437	437
4808	11	2.50	86	0.00	124.90	5	13.00	87	12	4.00	86	3	192	32
4809	10	29.60	86	0.00	140.10	11	17.20	87	2	9.00	87	3	384	103
4811	12	10.58	86	-0.03	85.01	3	14.00	88	3	14.00	88	3	459	459
4812	11	21.60	86	-4.90	109.90	7	22.00	87	7	22.00	87	3	242	242
4813	11	6.39	86	0.00	110.10	12	20.31	87	2	7.00	87	3	409	93
4814	11	19.00	86	0.00	109.90	11	4.00	87	4	11.00	87	3	350	143
6224	11	20.00	86	-0.08	110.00	8	18.31	87	8	18.00	87	3	271	271
6230	12	10.52	86	-0.03	85.01	3	2.00	87	3	2.00	87	3	81	81

Death Code:

1. Buoy hit land and stayed grounded.
2. Buoy was picked up by a ship and carried on board.
3. Buoy quit transmitting by itself.

Table 2. Julian Day Conversion

2344	1 JUN 85	2400	27 JUL 85
2345	2 JUN 85	2401	28 JUL 85
2346	3 JUN 85	2402	29 JUL 85
2347	4 JUN 85	2403	30 JUL 85
2348	5 JUN 85	2404	31 JUL 85
2349	6 JUN 85	2405	1 AUG 85
2350	7 JUN 85	2406	2 AUG 85
2351	8 JUN 85	2407	3 AUG 85
2352	9 JUN 85	2408	4 AUG 85
2353	10 JUN 85	2409	5 AUG 85
2354	11 JUN 85	2410	6 AUG 85
2355	12 JUN 85	2411	7 AUG 85
2356	13 JUN 85	2412	8 AUG 85
2357	14 JUN 85	2413	9 AUG 85
2358	15 JUN 85	2414	10 AUG 85
2359	16 JUN 85	2415	11 AUG 85
2360	17 JUN 85	2416	12 AUG 85
2361	18 JUN 85	2417	13 AUG 85
2362	19 JUN 85	2418	14 AUG 85
2363	20 JUN 85	2419	15 AUG 85
2364	21 JUN 85	2420	16 AUG 85
2365	22 JUN 85	2421	17 AUG 85
2366	23 JUN 85	2422	18 AUG 85
2367	24 JUN 85	2423	19 AUG 85
2368	25 JUN 85	2424	20 AUG 85
2369	26 JUN 85	2425	21 AUG 85
2370	27 JUN 85	2426	22 AUG 85
2371	28 JUN 85	2427	23 AUG 85
2372	29 JUN 85	2428	24 AUG 85
2373	30 JUN 85	2429	25 AUG 85
2374	1 JUL 85	2430	26 AUG 85
2375	2 JUL 85	2431	27 AUG 85
2376	3 JUL 85	2432	28 AUG 85
2377	4 JUL 85	2433	29 AUG 85
2378	5 JUL 85	2434	30 AUG 85
2379	6 JUL 85	2435	31 AUG 85
2380	7 JUL 85	2436	1 SEP 85
2381	8 JUL 85	2437	2 SEP 85
2382	9 JUL 85	2438	3 SEP 85
2383	10 JUL 85	2439	4 SEP 85
2384	11 JUL 85	2440	5 SEP 85
2385	12 JUL 85	2441	6 SEP 85
2386	13 JUL 85	2442	7 SEP 85
2387	14 JUL 85	2443	8 SEP 85
2388	15 JUL 85	2444	9 SEP 85
2389	16 JUL 85	2445	10 SEP 85
2390	17 JUL 85	2446	11 SEP 85
2391	18 JUL 85	2447	12 SEP 85
2392	19 JUL 85	2448	13 SEP 85
2393	20 JUL 85	2449	14 SEP 85
2394	21 JUL 85	2450	15 SEP 85
2395	22 JUL 85	2451	16 SEP 85
2396	23 JUL 85	2452	17 SEP 85
2397	24 JUL 85	2453	18 SEP 85
2398	25 JUL 85	2454	19 SEP 85
2399	26 JUL 85	2455	20 SEP 85
2456	21 SEP 85		
2457	22 SEP 85		
2458	23 SEP 85		
2459	24 SEP 85		
2460	25 SEP 85		
2461	26 SEP 85		
2462	27 SEP 85		
2463	28 SEP 85		
2464	29 SEP 85		
2465	30 SEP 85		
2466	1 OCT 85		
2467	2 OCT 85		
2468	3 OCT 85		
2469	4 OCT 85		
2470	5 OCT 85		
2471	6 OCT 85		
2472	7 OCT 85		
2473	8 OCT 85		
2474	9 OCT 85		
2475	10 OCT 85		
2476	11 OCT 85		
2477	12 OCT 85		
2478	13 OCT 85		
2479	14 OCT 85		
2480	15 OCT 85		
2481	16 OCT 85		
2482	17 OCT 85		
2483	18 OCT 85		
2484	19 OCT 85		
2485	20 OCT 85		
2486	21 OCT 85		
2487	22 OCT 85		
2488	23 OCT 85		
2489	24 OCT 85		
2490	25 OCT 85		
2491	26 OCT 85		
2492	27 OCT 85		
2493	28 OCT 85		
2494	29 OCT 85		
2495	30 OCT 85		
2496	31 OCT 85		
2497	1 NOV 85		
2498	2 NOV 85		
2499	3 NOV 85		
2500	4 NOV 85		
2501	5 NOV 85		
2502	6 NOV 85		
2503	7 NOV 85		
2504	8 NOV 85		
2505	9 NOV 85		
2506	10 NOV 85		
2507	11 NOV 85		
2508	12 NOV 85		
2509	13 NOV 85		
2510	14 NOV 85		
2511	15 NOV 85		

Table 2. Julian Day Conversion (Cont.)

2512	16 NOV 85	2568	11 JAN 86
2513	17 NOV 85	2569	12 JAN 86
2514	18 NOV 85	2570	13 JAN 86
2515	19 NOV 85	2571	14 JAN 86
2516	20 NOV 85	2572	15 JAN 86
2517	21 NOV 85	2573	16 JAN 86
2518	22 NOV 85	2574	17 JAN 86
2519	23 NOV 85	2575	18 JAN 86
2520	24 NOV 85	2576	19 JAN 86
2521	25 NOV 85	2577	20 JAN 86
2522	26 NOV 85	2578	21 JAN 86
2523	27 NOV 85	2579	22 JAN 86
2524	28 NOV 85	2580	23 JAN 86
2525	29 NOV 85	2581	24 JAN 86
2526	30 NOV 85	2582	25 JAN 86
2527	1 DEC 85	2583	26 JAN 86
2528	2 DEC 85	2584	27 JAN 86
2529	3 DEC 85	2585	28 JAN 86
2530	4 DEC 85	2586	29 JAN 86
2531	5 DEC 85	2587	30 JAN 86
2532	6 DEC 85	2588	31 JAN 86
2533	7 DEC 85	2589	1 FEB 86
2534	8 DEC 85	2590	2 FEB 86
2535	9 DEC 85	2591	3 FEB 86
2536	10 DEC 85	2592	4 FEB 86
2537	11 DEC 85	2593	5 FEB 86
2538	12 DEC 85	2594	6 FEB 86
2539	13 DEC 85	2595	7 FEB 86
2540	14 DEC 85	2596	8 FEB 86
2541	15 DEC 85	2597	9 FEB 86
2542	16 DEC 85	2598	10 FEB 86
2543	17 DEC 85	2599	11 FEB 86
2544	18 DEC 85	2600	12 FEB 86
2545	19 DEC 85	2601	13 FEB 86
2546	20 DEC 85	2602	14 FEB 86
2547	21 DEC 85	2603	15 FEB 86
2548	22 DEC 85	2604	16 FEB 86
2549	23 DEC 85	2605	17 FEB 86
2550	24 DEC 85	2606	18 FEB 86
2551	25 DEC 85	2607	19 FEB 86
2552	26 DEC 85	2608	20 FEB 86
2553	27 DEC 85	2609	21 FEB 86
2554	28 DEC 85	2610	22 FEB 86
2555	29 DEC 85	2611	23 FEB 86
2556	30 DEC 85	2612	24 FEB 86
2557	31 DEC 85	2613	25 FEB 86
2558	1 JAN 86	2614	26 FEB 86
2559	2 JAN 86	2615	27 FEB 86
2560	3 JAN 86	2616	28 FEB 86
2561	4 JAN 86	2617	1 MAR 86
2562	5 JAN 86	2618	2 MAR 86
2563	6 JAN 86	2619	3 MAR 86
2564	7 JAN 86	2620	4 MAR 86
2565	8 JAN 86	2621	5 MAR 86
2566	9 JAN 86	2622	6 MAR 86
2567	10 JAN 86	2623	7 MAR 86

2624	8 MAR 86
2625	9 MAR 86
2626	10 MAR 86
2627	11 MAR 86
2628	12 MAR 86
2629	13 MAR 86
2630	14 MAR 86
2631	15 MAR 86
2632	16 MAR 86
2633	17 MAR 86
2634	18 MAR 86
2635	19 MAR 86
2636	20 MAR 86
2637	21 MAR 86
2638	22 MAR 86
2639	23 MAR 86
2640	24 MAR 86
2641	25 MAR 86
2642	26 MAR 86
2643	27 MAR 86
2644	28 MAR 86
2645	29 MAR 86
2646	30 MAR 86
2647	31 MAR 86
2648	1 APR 86
2649	2 APR 86
2650	3 APR 86
2651	4 APR 86
2652	5 APR 86
2653	6 APR 86
2654	7 APR 86
2655	8 APR 86
2656	9 APR 86
2657	10 APR 86
2658	11 APR 86
2659	12 APR 86
2660	13 APR 86
2661	14 APR 86
2662	15 APR 86
2663	16 APR 86
2664	17 APR 86
2665	18 APR 86
2666	19 APR 86
2667	20 APR 86
2668	21 APR 86
2669	22 APR 86
2670	23 APR 86
2671	24 APR 86
2672	25 APR 86
2673	26 APR 86
2674	27 APR 86
2675	28 APR 86
2676	29 APR 86
2677	30 APR 86
2678	1 MAY 86
2679	2 MAY 86

Table 2. Julian Day Conversion (Cont.)

2680	3 MAY 86		2736	28 JUN 86		2792	23 AUG 86	
2681	4 MAY 86		2737	29 JUN 86		2793	24 AUG 86	
2682	5 MAY 86		2738	30 JUN 86		2794	25 AUG 86	
2683	6 MAY 86		2739	1 JUL 86		2795	26 AUG 86	
2684	7 MAY 86		2740	2 JUL 86		2796	27 AUG 86	
2685	8 MAY 86		2741	3 JUL 86		2797	28 AUG 86	
2686	9 MAY 86		2742	4 JUL 86		2798	29 AUG 86	
2687	10 MAY 86		2743	5 JUL 86		2799	30 AUG 86	
2688	11 MAY 86		2744	6 JUL 86		2800	31 AUG 86	
2689	12 MAY 86		2745	7 JUL 86		2801	1 SEP 86	
2690	13 MAY 86		2746	8 JUL 86		2802	2 SEP 86	
2691	14 MAY 86		2747	9 JUL 86		2803	3 SEP 86	
2692	15 MAY 86		2748	10 JUL 86		2804	4 SEP 86	
2693	16 MAY 86		2749	11 JUL 86		2805	5 SEP 86	
2694	17 MAY 86		2750	12 JUL 86		2806	6 SEP 86	
2695	18 MAY 86		2751	13 JUL 86		2807	7 SEP 86	
2696	19 MAY 86		2752	14 JUL 86		2808	8 SEP 86	
2697	20 MAY 86		2753	15 JUL 86		2809	9 SEP 86	
2698	21 MAY 86		2754	16 JUL 86		2810	10 SEP 86	
2699	22 MAY 86		2755	17 JUL 86		2811	11 SEP 86	
2700	23 MAY 86		2756	18 JUL 86		2812	12 SEP 86	
2701	24 MAY 86		2757	19 JUL 86		2813	13 SEP 86	
2702	25 MAY 86		2758	20 JUL 86		2814	14 SEP 86	
2703	26 MAY 86		2759	21 JUL 86		2815	15 SEP 86	
2704	27 MAY 86		2760	22 JUL 86		2816	16 SEP 86	
2705	28 MAY 86		2761	23 JUL 86		2817	17 SEP 86	
2706	29 MAY 86		2762	24 JUL 86		2818	18 SEP 86	
2707	30 MAY 86		2763	25 JUL 86		2819	19 SEP 86	
2708	31 MAY 86		2764	26 JUL 86		2820	20 SEP 86	
2709	1 JUN 86		2765	27 JUL 86		2821	21 SEP 86	
2710	2 JUN 86		2766	28 JUL 86		2822	22 SEP 86	
2711	3 JUN 86		2767	29 JUL 86		2823	23 SEP 86	
2712	4 JUN 86		2768	30 JUL 86		2824	24 SEP 86	
2713	5 JUN 86		2769	31 JUL 86		2825	25 SEP 86	
2714	6 JUN 86		2770	1 AUG 86		2826	26 SEP 86	
2715	7 JUN 86		2771	2 AUG 86		2827	27 SEP 86	
2716	8 JUN 86		2772	3 AUG 86		2828	28 SEP 86	
2717	9 JUN 86		2773	4 AUG 86		2829	29 SEP 86	
2718	10 JUN 86		2774	5 AUG 86		2830	30 SEP 86	
2719	11 JUN 86		2775	6 AUG 86		2831	1 OCT 86	
2720	12 JUN 86		2776	7 AUG 86		2832	2 OCT 86	
2721	13 JUN 86		2777	8 AUG 86		2833	3 OCT 86	
2722	14 JUN 86		2778	9 AUG 86		2834	4 OCT 86	
2723	15 JUN 86		2779	10 AUG 86		2835	5 OCT 86	
2724	16 JUN 86		2780	11 AUG 86		2836	6 OCT 86	
2725	17 JUN 86		2781	12 AUG 86		2837	7 OCT 86	
2726	18 JUN 86		2782	13 AUG 86		2838	8 OCT 86	
2727	19 JUN 86		2783	14 AUG 86		2839	9 OCT 86	
2728	20 JUN 86		2784	15 AUG 86		2840	10 OCT 86	
2729	21 JUN 86		2785	16 AUG 86		2841	11 OCT 86	
2730	22 JUN 86		2786	17 AUG 86		2842	12 OCT 86	
2731	23 JUN 86		2787	18 AUG 86		2843	13 OCT 86	
2732	24 JUN 86		2788	19 AUG 86		2844	14 OCT 86	
2733	25 JUN 86		2789	20 AUG 86		2845	15 OCT 86	
2734	26 JUN 86		2790	21 AUG 86		2846	16 OCT 86	
2735	27 JUN 86		2791	22 AUG 86		2847	17 OCT 86	

Table 2. Julian Day Conversion (Cont.)

2848	18 OCT 86		2904	13 DEC 86		2960	7 FEB 87	
2849	19 OCT 86		2905	14 DEC 86		2961	8 FEB 87	
2850	20 OCT 86		2906	15 DEC 86		2962	9 FEB 87	
2851	21 OCT 86		2907	16 DEC 86		2963	10 FEB 87	
2852	22 OCT 86		2908	17 DEC 86		2964	11 FEB 87	
2853	23 OCT 86		2909	18 DEC 86		2965	12 FEB 87	
2854	24 OCT 86		2910	19 DEC 86		2966	13 FEB 87	
2855	25 OCT 86		2911	20 DEC 86		2967	14 FEB 87	
2856	26 OCT 86		2912	21 DEC 86		2968	15 FEB 87	
2857	27 OCT 86		2913	22 DEC 86		2969	16 FEB 87	
2858	28 OCT 86		2914	23 DEC 86		2970	17 FEB 87	
2859	29 OCT 86		2915	24 DEC 86		2971	18 FEB 87	
2860	30 OCT 86		2916	25 DEC 86		2972	19 FEB 87	
2861	31 OCT 86		2917	26 DEC 86		2973	20 FEB 87	
2862	1 NOV 86		2918	27 DEC 86		2974	21 FEB 87	
2863	2 NOV 86		2919	28 DEC 86		2975	22 FEB 87	
2864	3 NOV 86		2920	29 DEC 86		2976	23 FEB 87	
2865	4 NOV 86		2921	30 DEC 86		2977	24 FEB 87	
2866	5 NOV 86		2922	31 DEC 86		2978	25 FEB 87	
2867	6 NOV 86		2923	1 JAN 87		2979	26 FEB 87	
2868	7 NOV 86		2924	2 JAN 87		2980	27 FEB 87	
2869	8 NOV 86		2925	3 JAN 87		2981	28 FEB 87	
2870	9 NOV 86		2926	4 JAN 87		2982	1 MAR 87	
2871	10 NOV 86		2927	5 JAN 87		2983	2 MAR 87	
2872	11 NOV 86		2928	6 JAN 87		2984	3 MAR 87	
2873	12 NOV 86		2929	7 JAN 87		2985	4 MAR 87	
2874	13 NOV 86		2930	8 JAN 87		2986	5 MAR 87	
2875	14 NOV 86		2931	9 JAN 87		2987	6 MAR 87	
2876	15 NOV 86		2932	10 JAN 87		2988	7 MAR 87	
2877	16 NOV 86		2933	11 JAN 87		2989	8 MAR 87	
2878	17 NOV 86		2934	12 JAN 87		2990	9 MAR 87	
2879	18 NOV 86		2935	13 JAN 87		2991	10 MAR 87	
2880	19 NOV 86		2936	14 JAN 87		2992	11 MAR 87	
2881	20 NOV 86		2937	15 JAN 87		2993	12 MAR 87	
2882	21 NOV 86		2938	16 JAN 87		2994	13 MAR 87	
2883	22 NOV 86		2939	17 JAN 87		2995	14 MAR 87	
2884	23 NOV 86		2940	18 JAN 87		2996	15 MAR 87	
2885	24 NOV 86		2941	19 JAN 87		2997	16 MAR 87	
2886	25 NOV 86		2942	20 JAN 87		2998	17 MAR 87	
2887	26 NOV 86		2943	21 JAN 87		2999	18 MAR 87	
2888	27 NOV 86		2944	22 JAN 87		3000	19 MAR 87	
2889	28 NOV 86		2945	23 JAN 87		3001	20 MAR 87	
2890	29 NOV 86		2946	24 JAN 87		3002	21 MAR 87	
2891	30 NOV 86		2947	25 JAN 87		3003	22 MAR 87	
2892	1 DEC 86		2948	26 JAN 87		3004	23 MAR 87	
2893	2 DEC 86		2949	27 JAN 87		3005	24 MAR 87	
2894	3 DEC 86		2950	28 JAN 87		3006	25 MAR 87	
2895	4 DEC 86		2951	29 JAN 87		3007	26 MAR 87	
2896	5 DEC 86		2952	30 JAN 87		3008	27 MAR 87	
2897	6 DEC 86		2953	31 JAN 87		3009	28 MAR 87	
2898	7 DEC 86		2954	1 FEB 87		3010	29 MAR 87	
2899	8 DEC 86		2955	2 FEB 87		3011	30 MAR 87	
2900	9 DEC 86		2956	3 FEB 87		3012	31 MAR 87	
2901	10 DEC 86		2957	4 FEB 87		3013	1 APR 87	
2902	11 DEC 86		2958	5 FEB 87		3014	2 APR 87	
2903	12 DEC 86		2959	6 FEB 87		3015	3 APR 87	

Table 2. Julian Day Conversion (Cont.)

3016	4 APR 87	3072	30 MAY 87
3017	5 APR 87	3073	31 MAY 87
3018	6 APR 87	3074	1 JUN 87
3019	7 APR 87	3075	2 JUN 87
3020	8 APR 87	3076	3 JUN 87
3021	9 APR 87	3077	4 JUN 87
3022	10 APR 87	3078	5 JUN 87
3023	11 APR 87	3079	6 JUN 87
3024	12 APR 87	3080	7 JUN 87
3025	13 APR 87	3081	8 JUN 87
3026	14 APR 87	3082	9 JUN 87
3027	15 APR 87	3083	10 JUN 87
3028	16 APR 87	3084	11 JUN 87
3029	17 APR 87	3085	12 JUN 87
3030	18 APR 87	3086	13 JUN 87
3031	19 APR 87	3087	14 JUN 87
3032	20 APR 87	3088	15 JUN 87
3033	21 APR 87	3089	16 JUN 87
3034	22 APR 87	3090	17 JUN 87
3035	23 APR 87	3091	18 JUN 87
3036	24 APR 87	3092	19 JUN 87
3037	25 APR 87	3093	20 JUN 87
3038	26 APR 87	3094	21 JUN 87
3039	27 APR 87	3095	22 JUN 87
3040	28 APR 87	3096	23 JUN 87
3041	29 APR 87	3097	24 JUN 87
3042	30 APR 87	3098	25 JUN 87
3043	1 MAY 87	3099	26 JUN 87
3044	2 MAY 87	3100	27 JUN 87
3045	3 MAY 87	3101	28 JUN 87
3046	4 MAY 87	3102	29 JUN 87
3047	5 MAY 87	3103	30 JUN 87
3048	6 MAY 87	3104	1 JUL 87
3049	7 MAY 87	3105	2 JUL 87
3050	8 MAY 87	3106	3 JUL 87
3051	9 MAY 87	3107	4 JUL 87
3052	10 MAY 87	3108	5 JUL 87
3053	11 MAY 87	3109	6 JUL 87
3054	12 MAY 87	3110	7 JUL 87
3055	13 MAY 87	3111	8 JUL 87
3056	14 MAY 87	3112	9 JUL 87
3057	15 MAY 87	3113	10 JUL 87
3058	16 MAY 87	3114	11 JUL 87
3059	17 MAY 87	3115	12 JUL 87
3060	18 MAY 87	3116	13 JUL 87
3061	19 MAY 87	3117	14 JUL 87
3062	20 MAY 87	3118	15 JUL 87
3063	21 MAY 87	3119	16 JUL 87
3064	22 MAY 87	3120	17 JUL 87
3065	23 MAY 87	3121	18 JUL 87
3066	24 MAY 87	3122	19 JUL 87
3067	25 MAY 87	3123	20 JUL 87
3068	26 MAY 87	3124	21 JUL 87
3069	27 MAY 87	3125	22 JUL 87
3070	28 MAY 87	3126	23 JUL 87
3071	29 MAY 87	3127	24 JUL 87
		3128	25 JUL 87
		3129	26 JUL 87
		3130	27 JUL 87
		3131	28 JUL 87
		3132	29 JUL 87
		3133	30 JUL 87
		3134	31 JUL 87
		3135	1 AUG 87
		3136	2 AUG 87
		3137	3 AUG 87
		3138	4 AUG 87
		3139	5 AUG 87
		3140	6 AUG 87
		3141	7 AUG 87
		3142	8 AUG 87
		3143	9 AUG 87
		3144	10 AUG 87
		3145	11 AUG 87
		3146	12 AUG 87
		3147	13 AUG 87
		3148	14 AUG 87
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		3152	18 AUG 87
		3153	19 AUG 87
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		3156	22 AUG 87
		3157	23 AUG 87
		3158	24 AUG 87
		3159	25 AUG 87
		3160	26 AUG 87
		3161	27 AUG 87
		3162	28 AUG 87
		3163	29 AUG 87
		3164	30 AUG 87
		3165	31 AUG 87
		3166	1 SEP 87
		3167	2 SEP 87
		3168	3 SEP 87
		3169	4 SEP 87
		3170	5 SEP 87
		3171	6 SEP 87
		3172	7 SEP 87
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		3175	10 SEP 87
		3176	11 SEP 87
		3177	12 SEP 87
		3178	13 SEP 87
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		3182	17 SEP 87
		3183	18 SEP 87

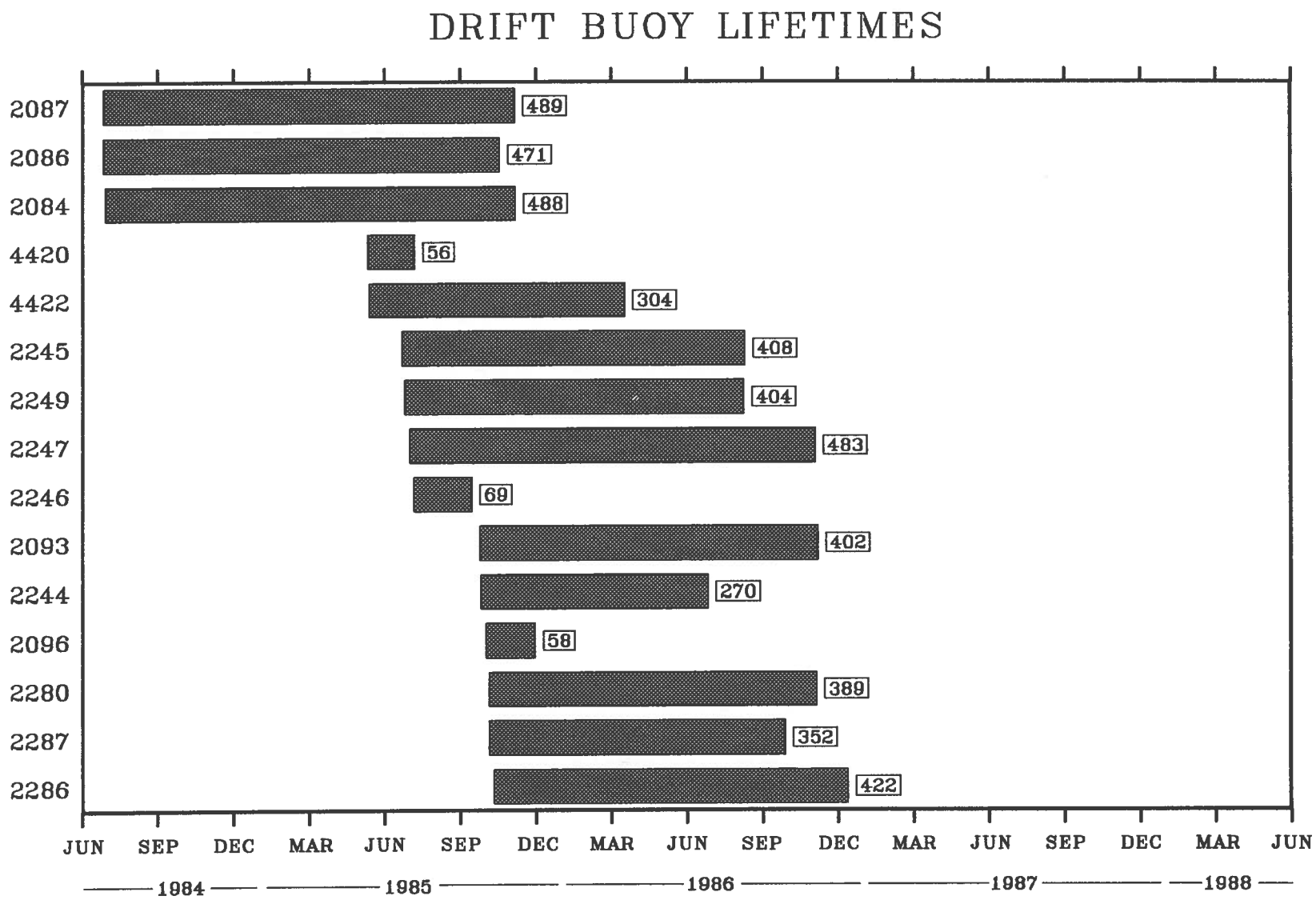


Figure 1. Time span of data from drifting buoys included in this report.

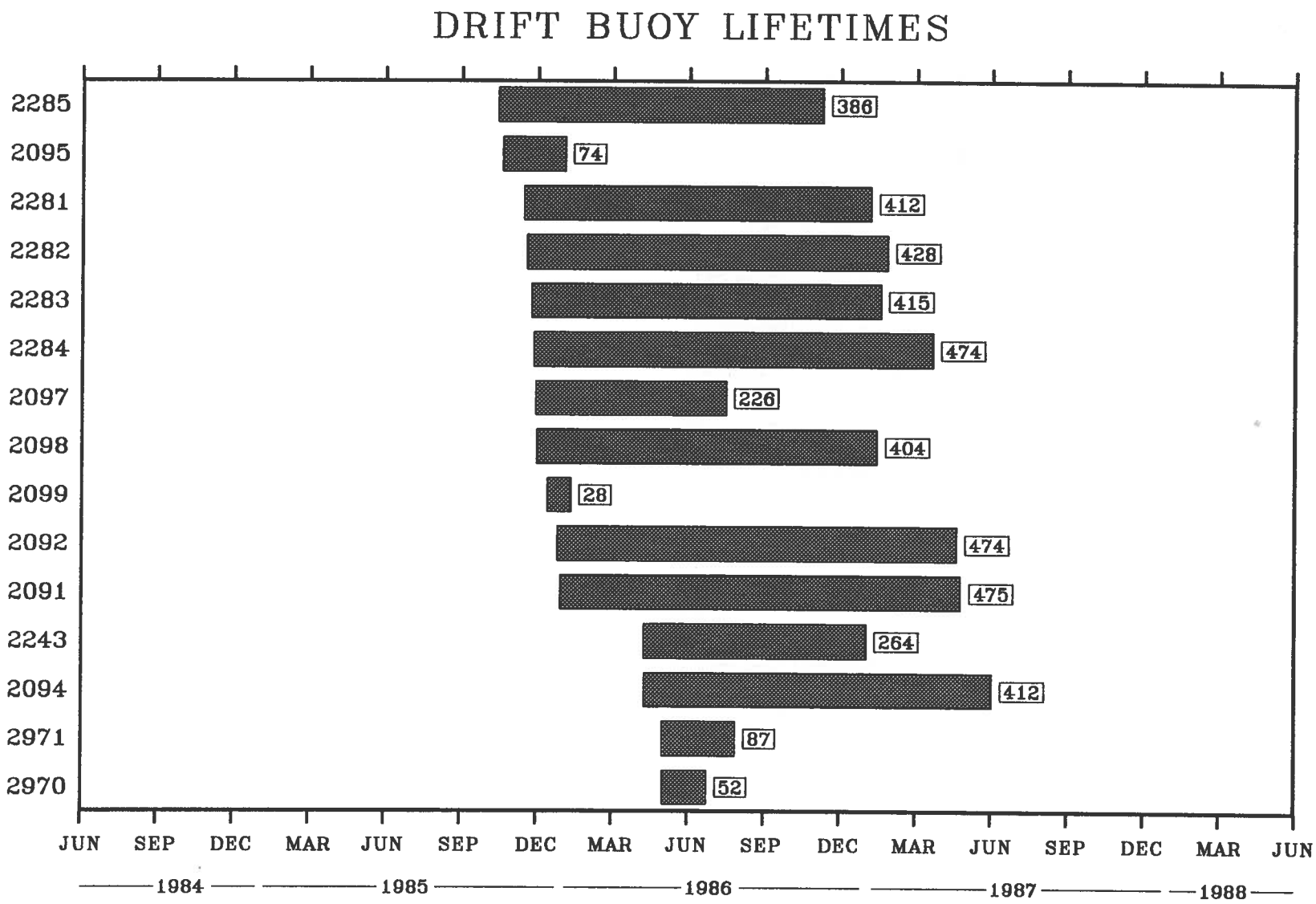


Figure 2. Time span of data from drifting buoys included in this report.

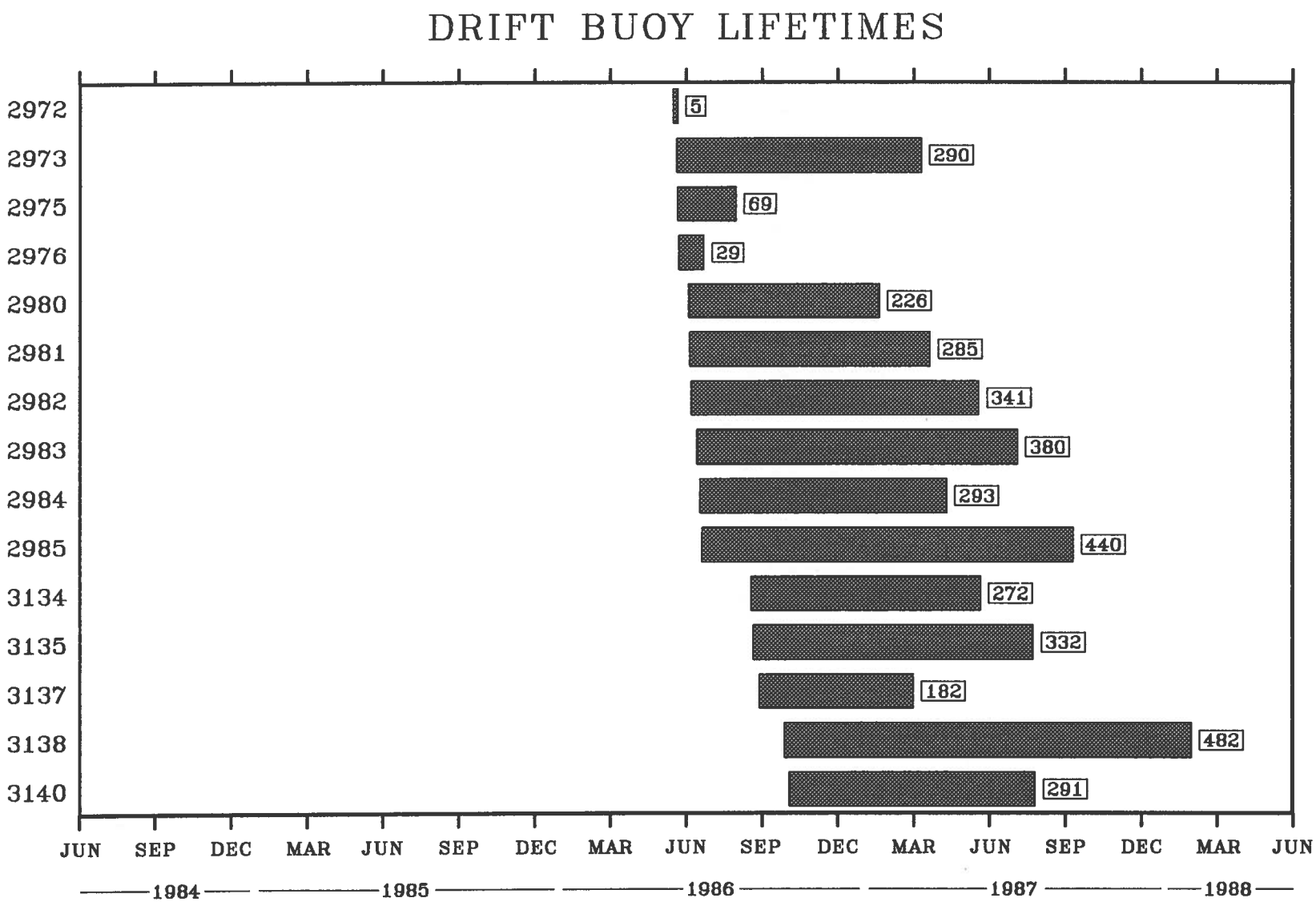


Figure 3. Time span of data from drifting buoys included in this report.

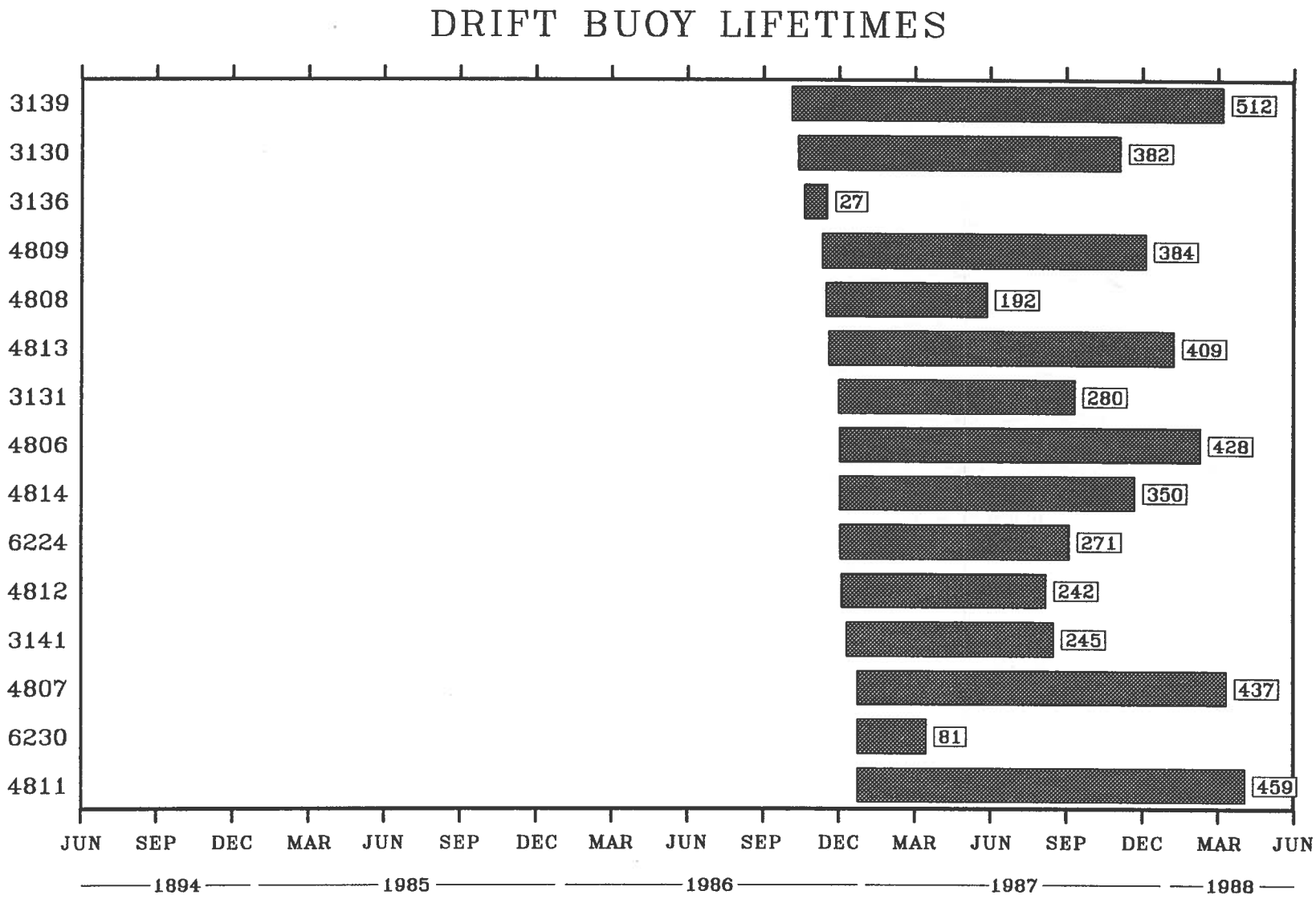
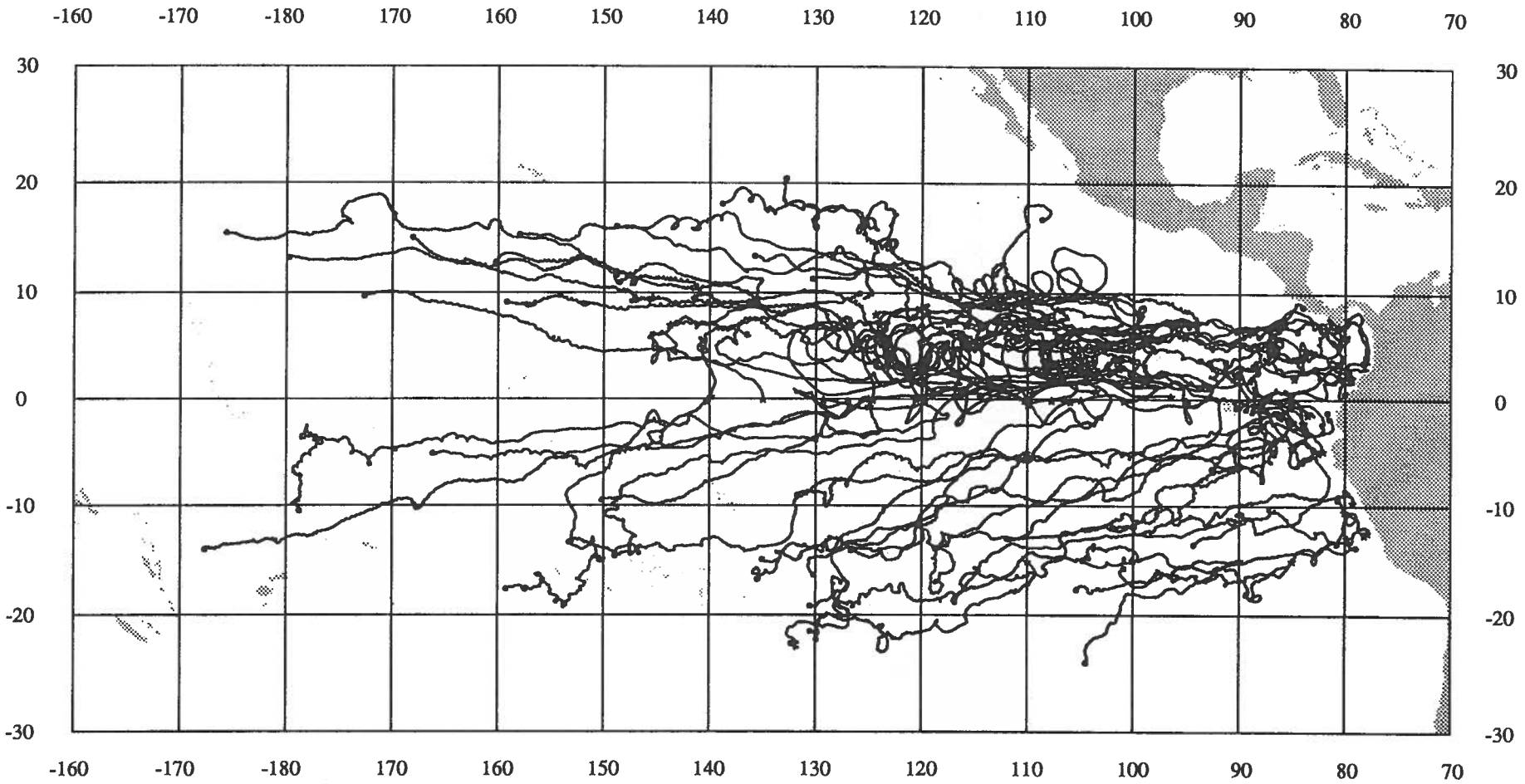
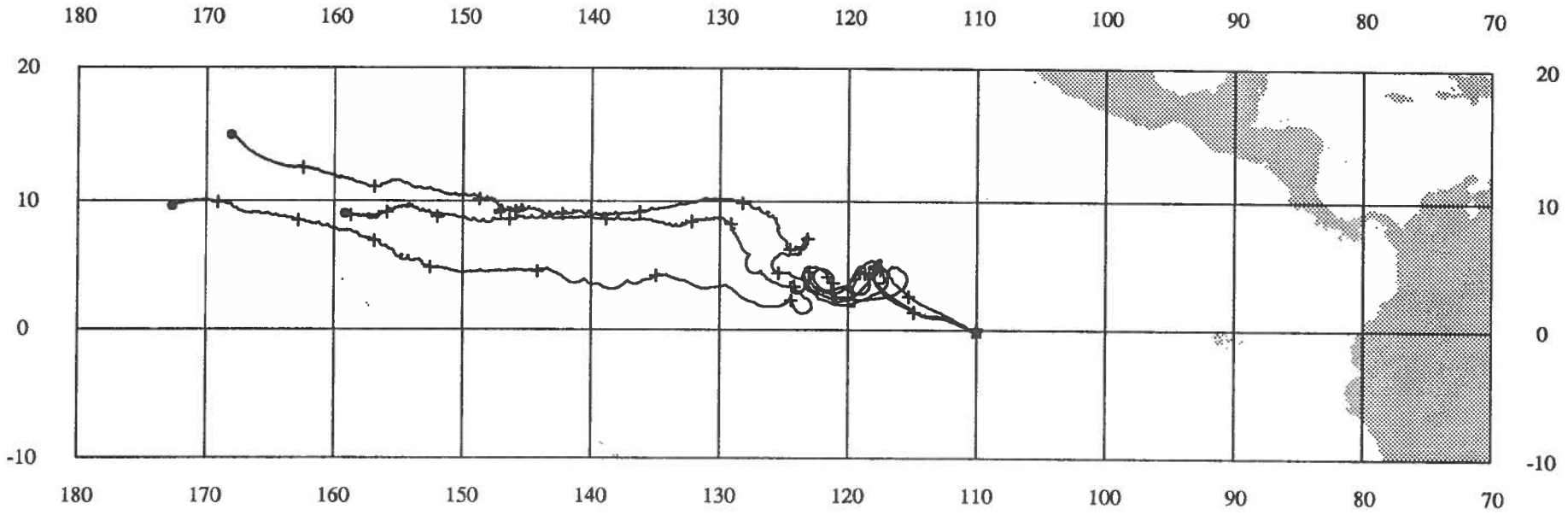


Figure 4. Time span of data from drifting buoys included in this report.

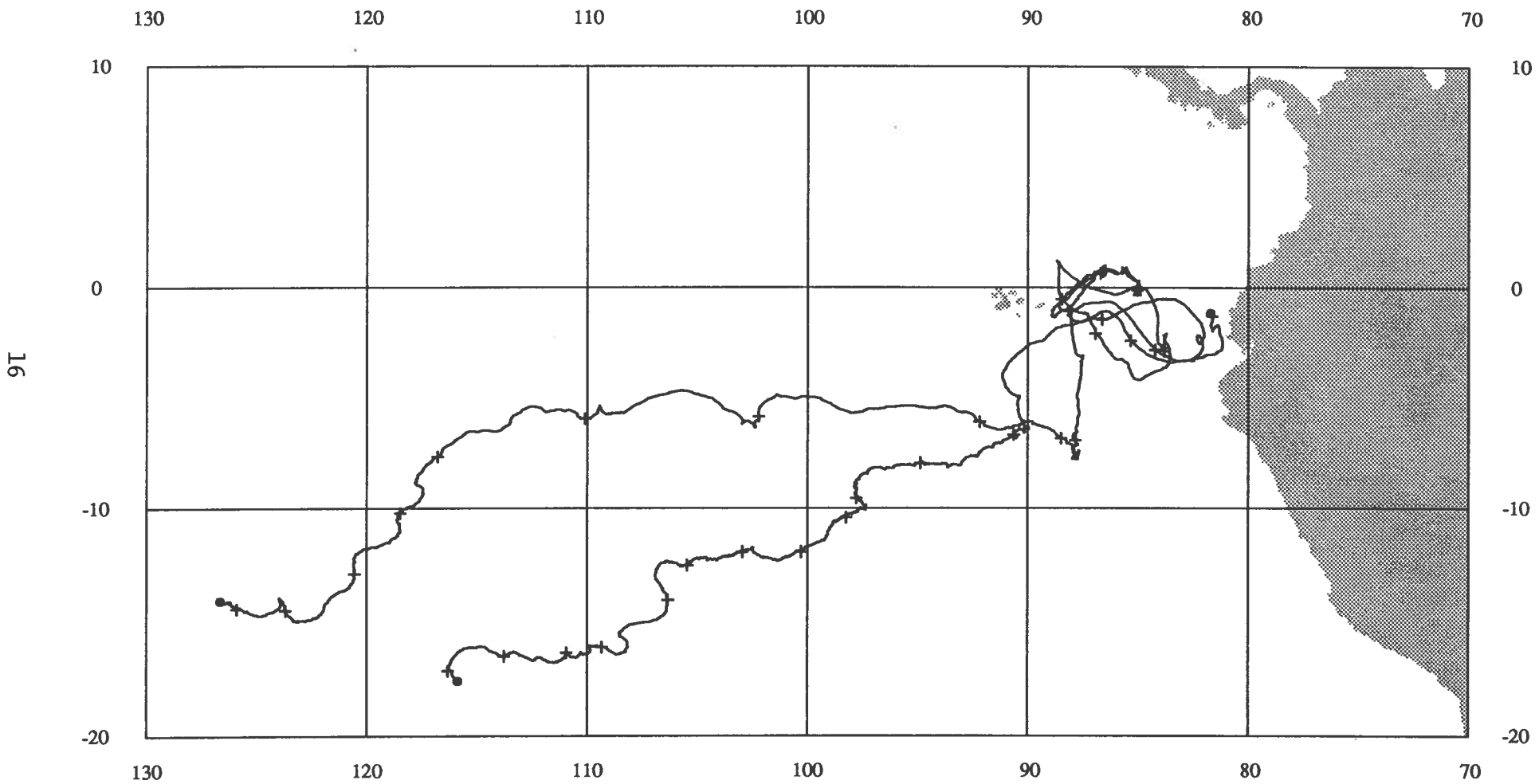
Composite plot of all trajectories from June 1, 1985 thru June 30, 1987

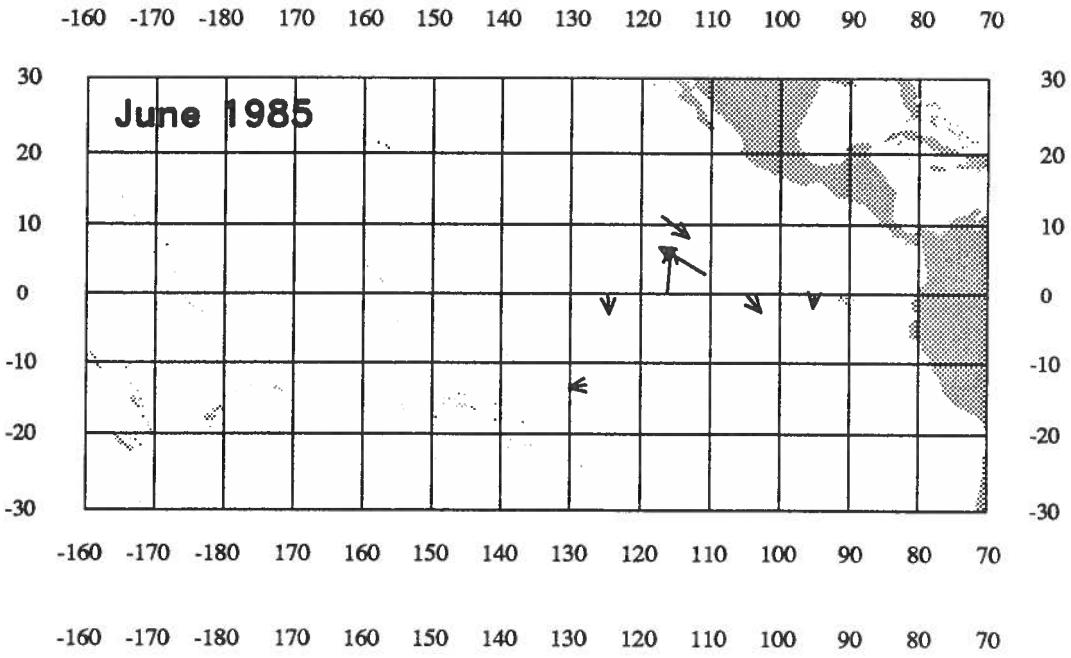


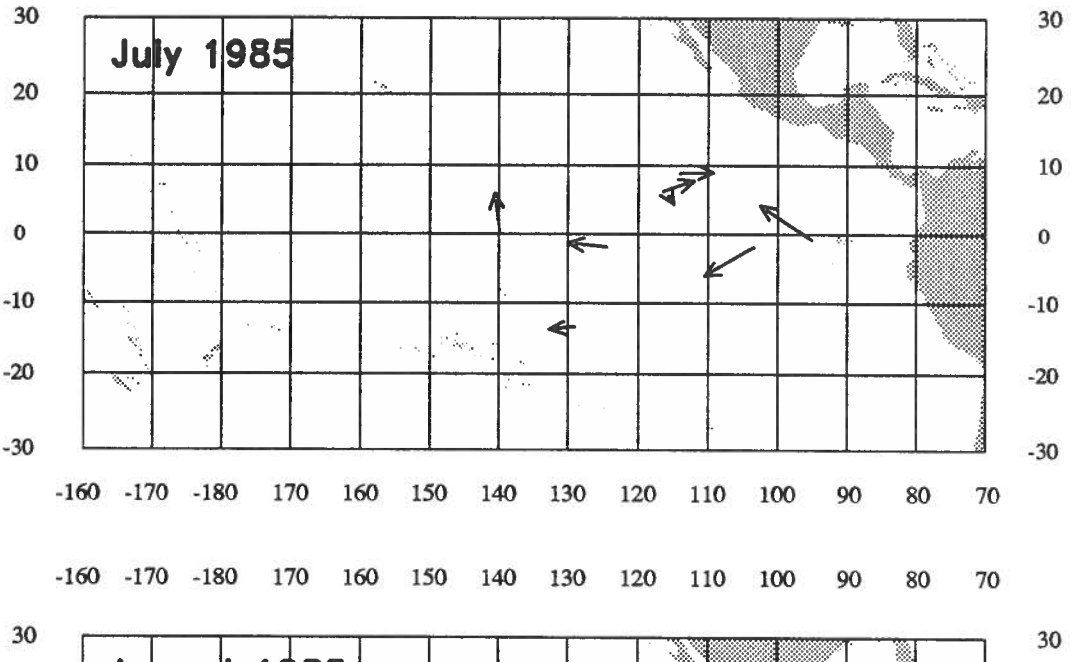
BUOYS 4806, 4814 AND 6224

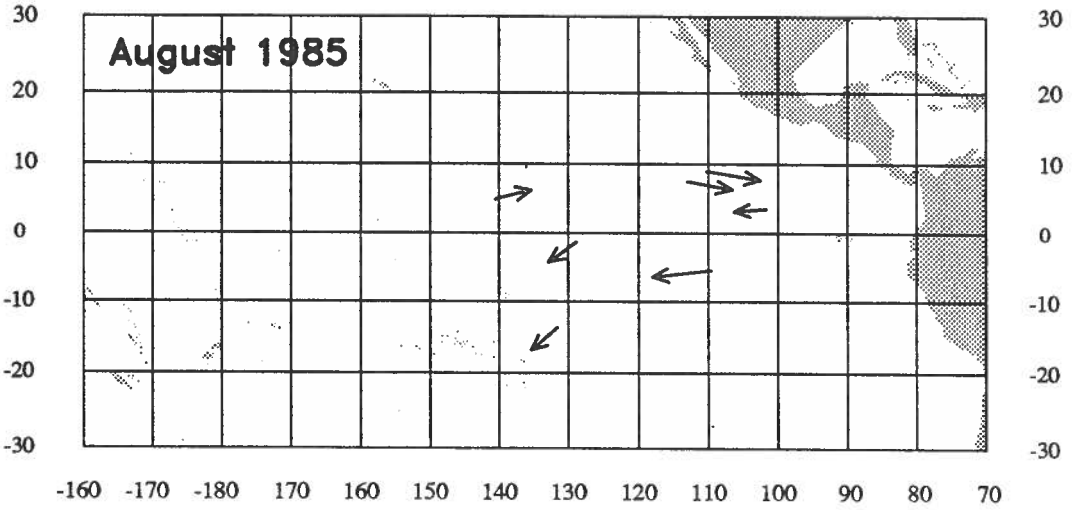


BUOYS 4807, 4811 AND 6230

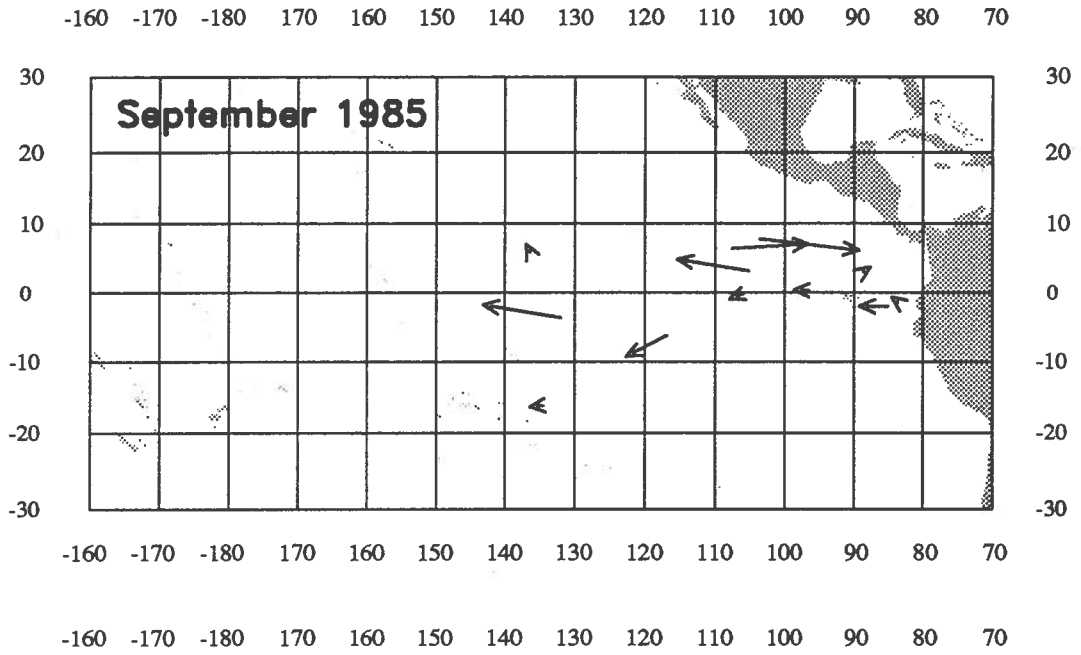


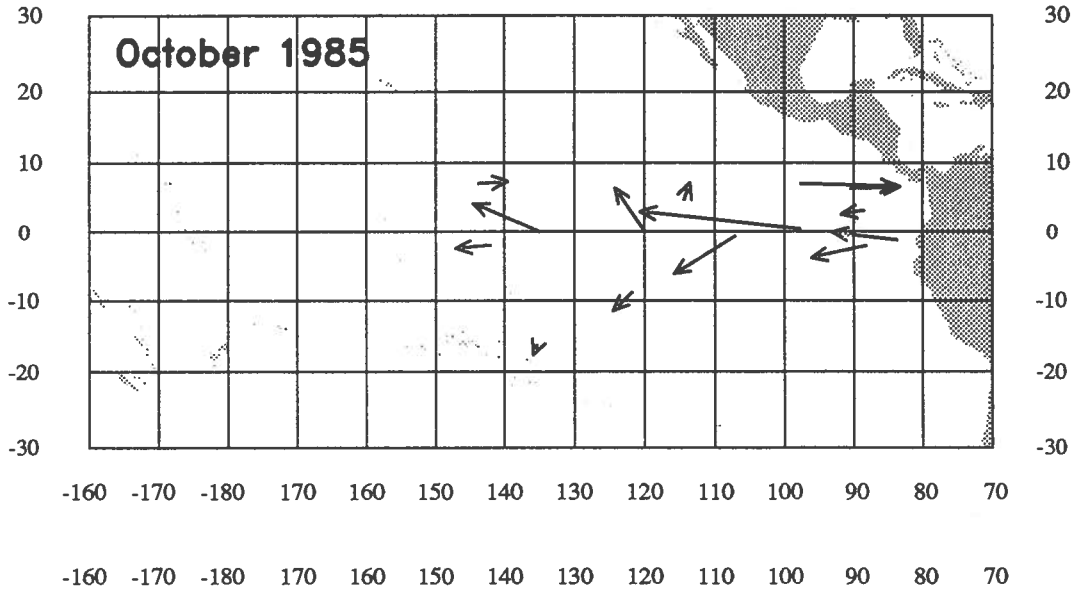


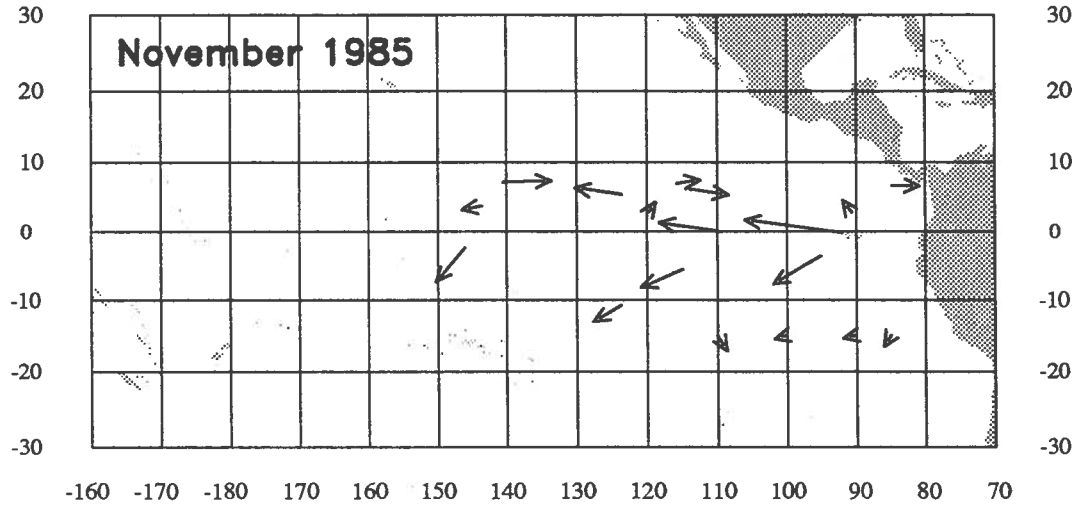




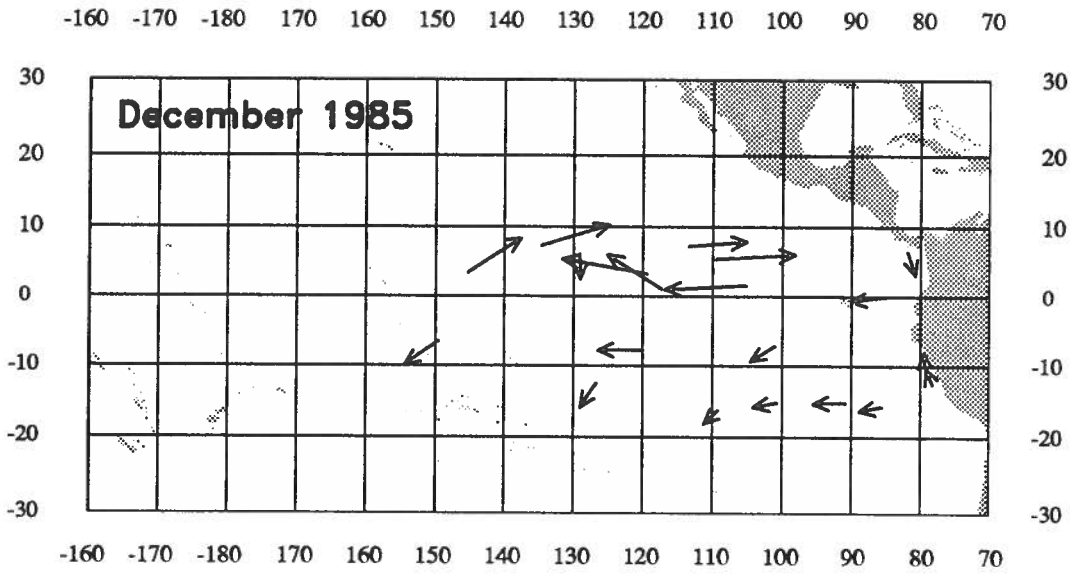
MONTHLY DISPLACEMENT OF BUOYS

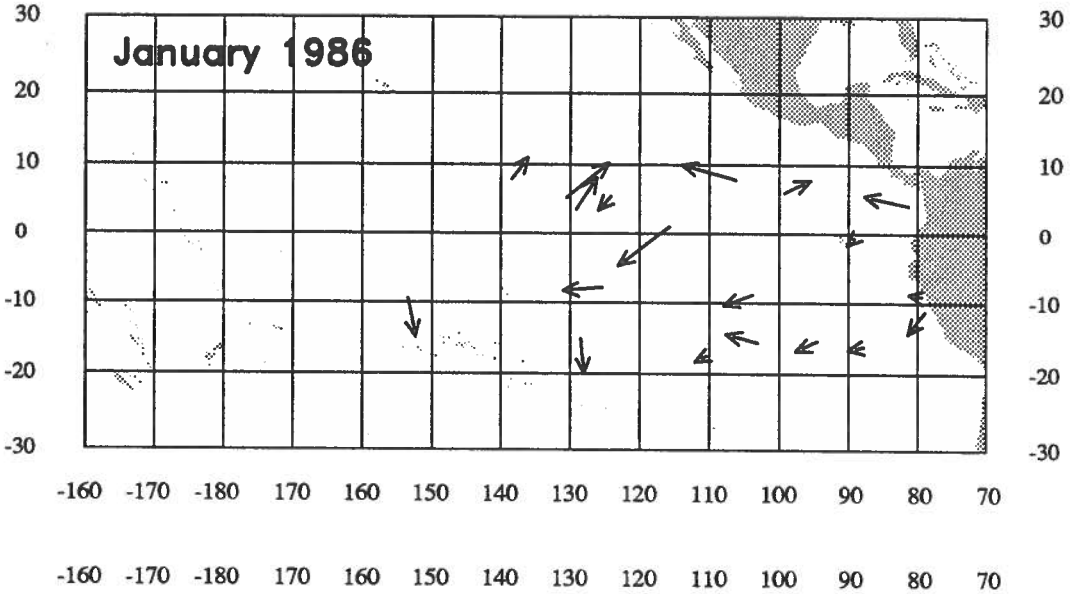


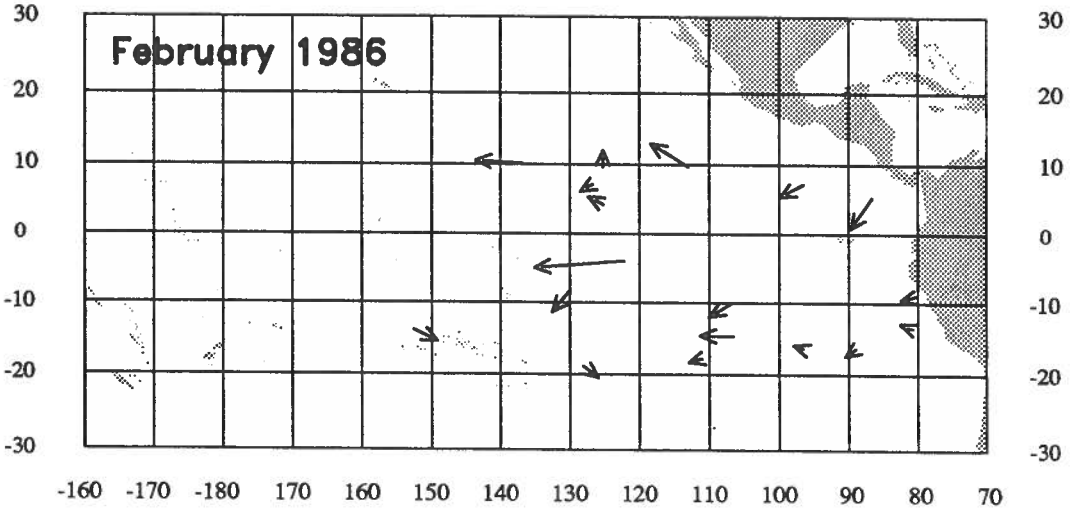




MONTHLY DISPLACEMENT OF BUOYS







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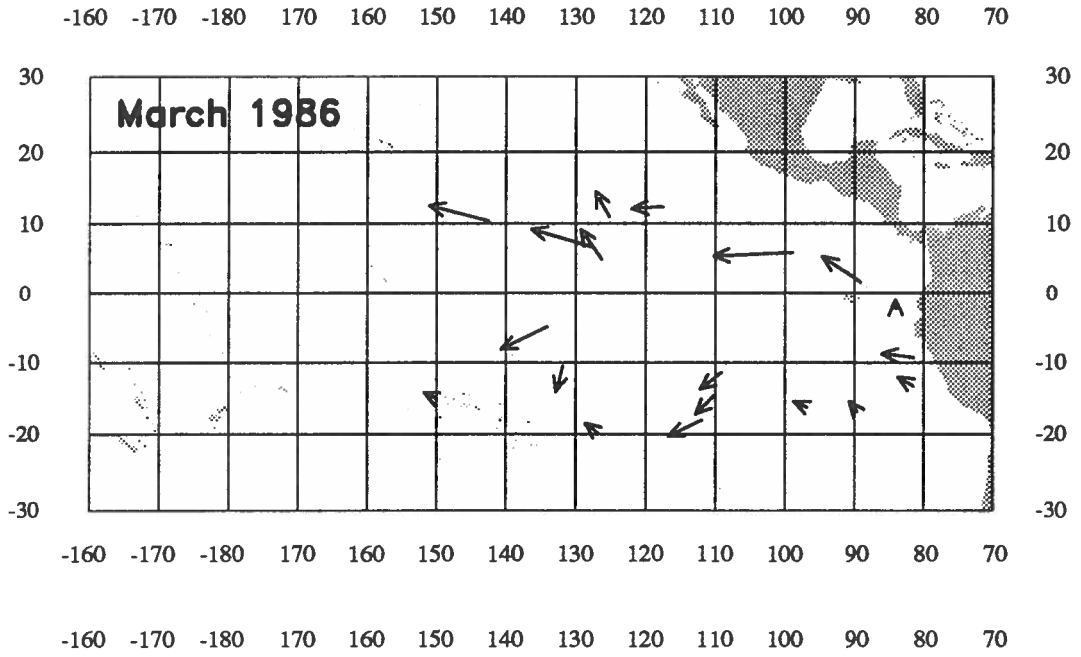

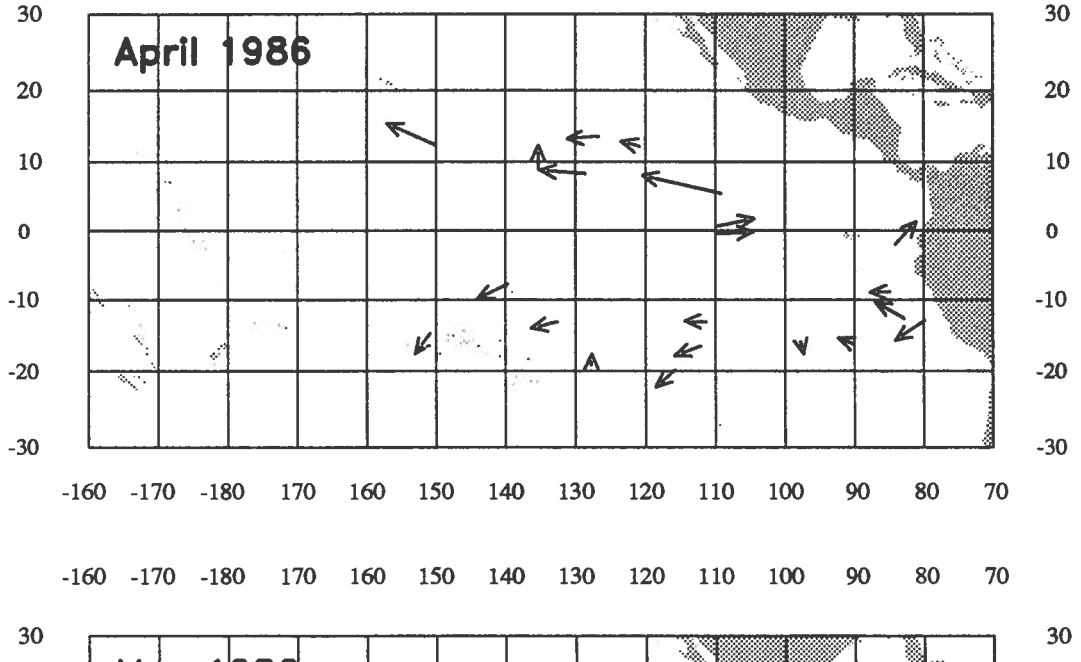

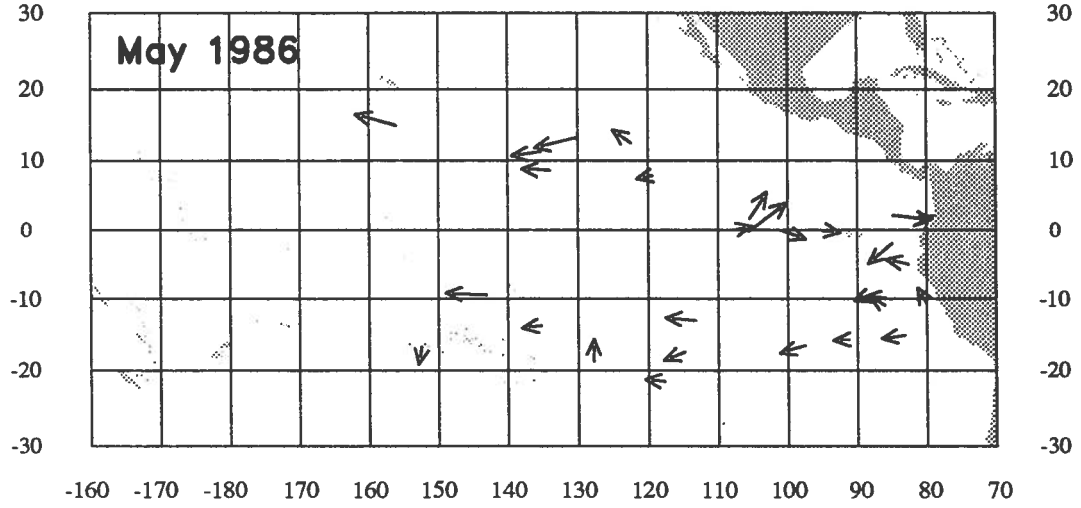

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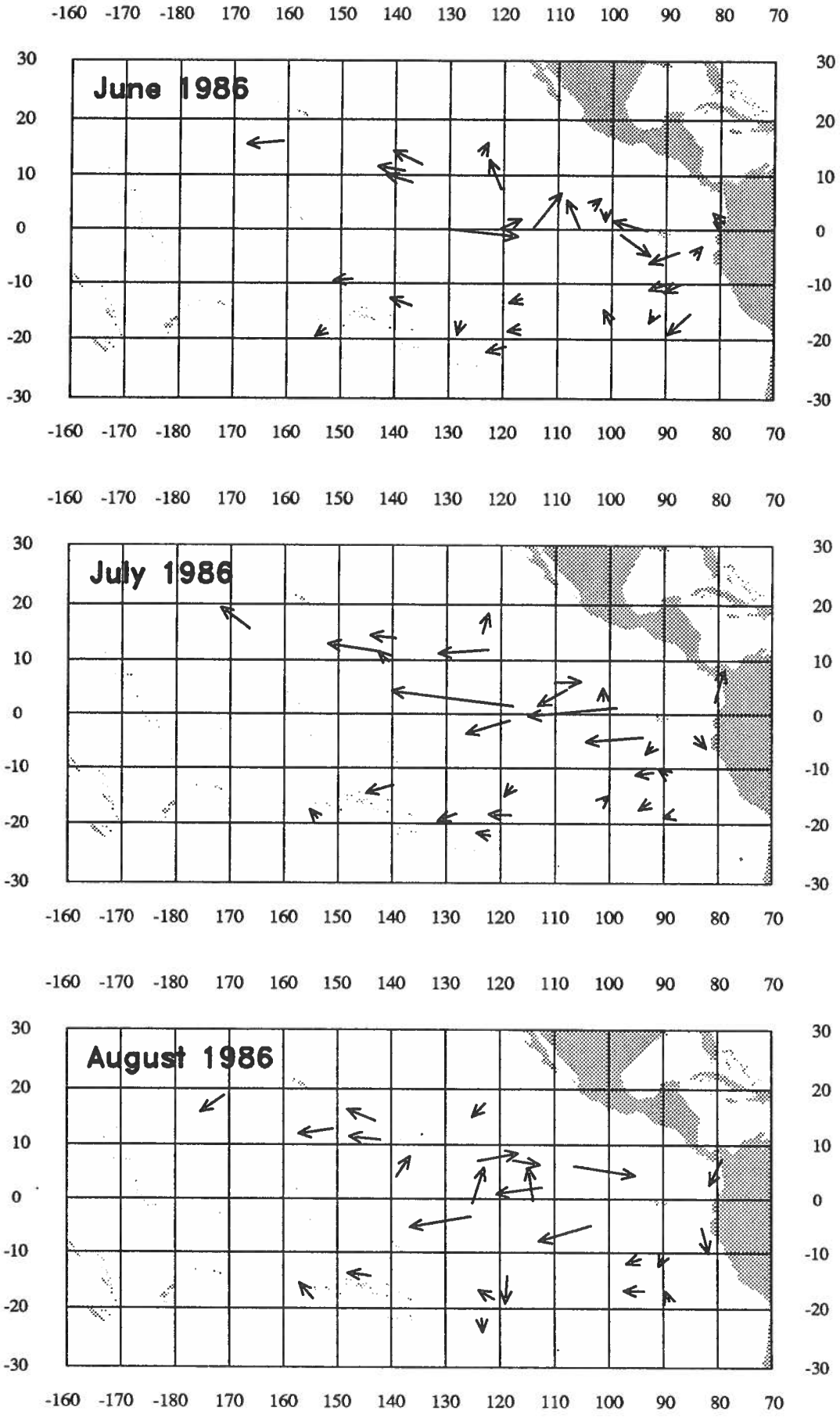

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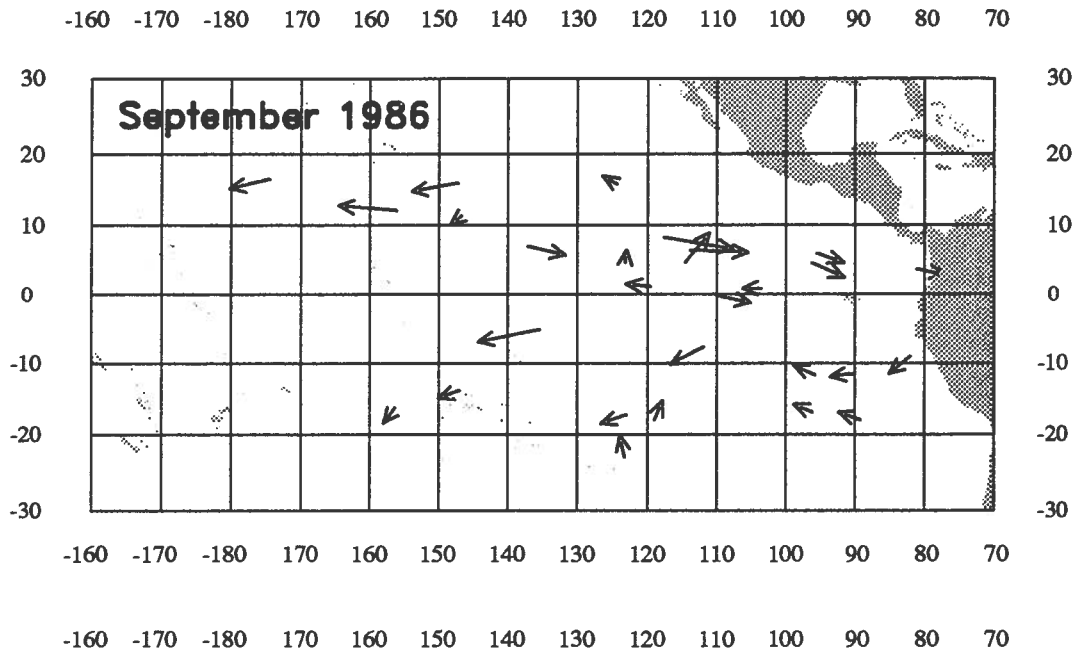

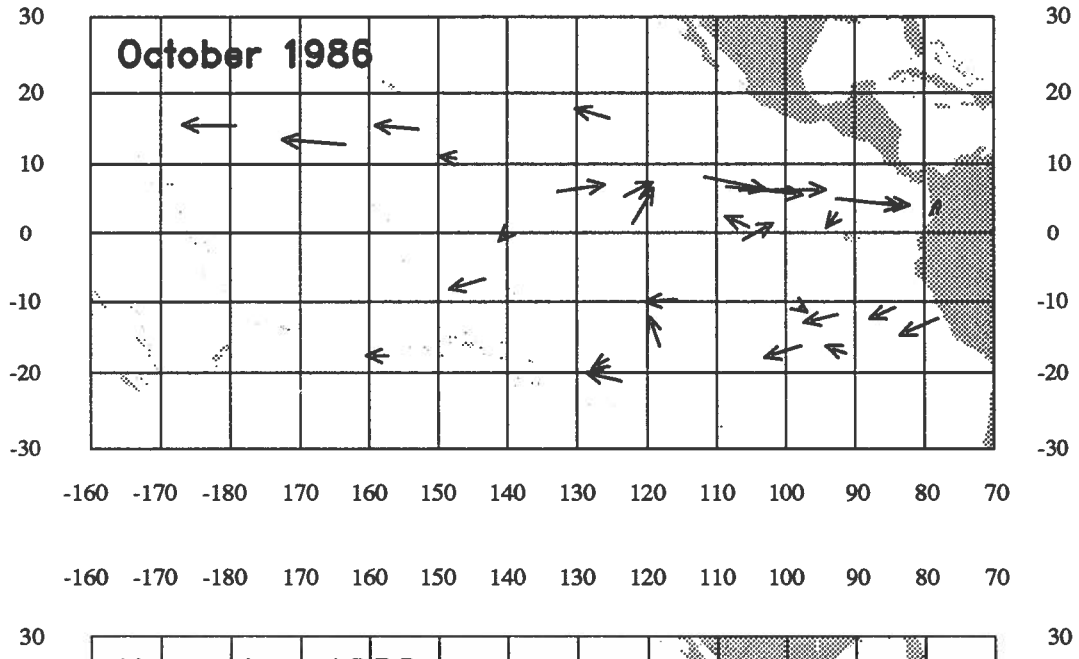

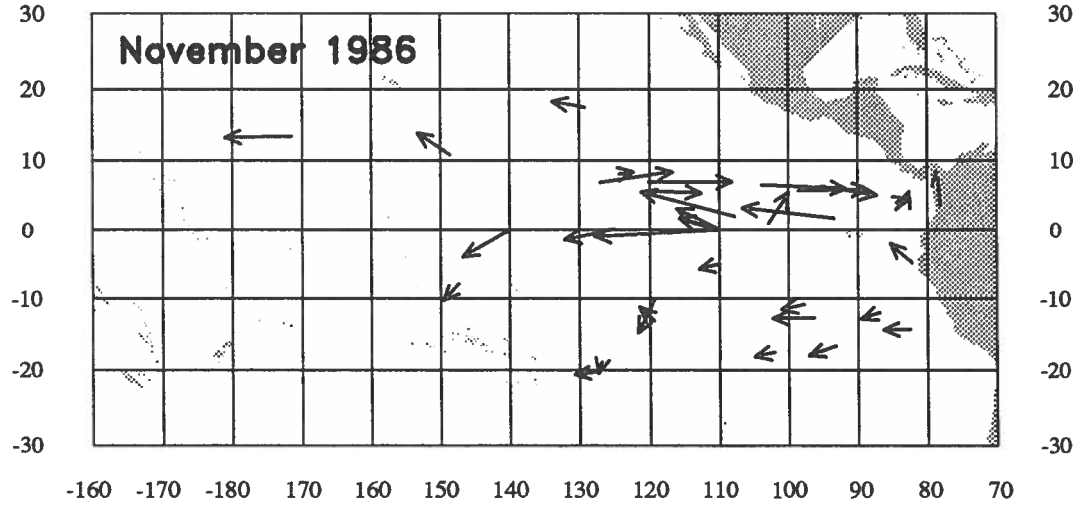

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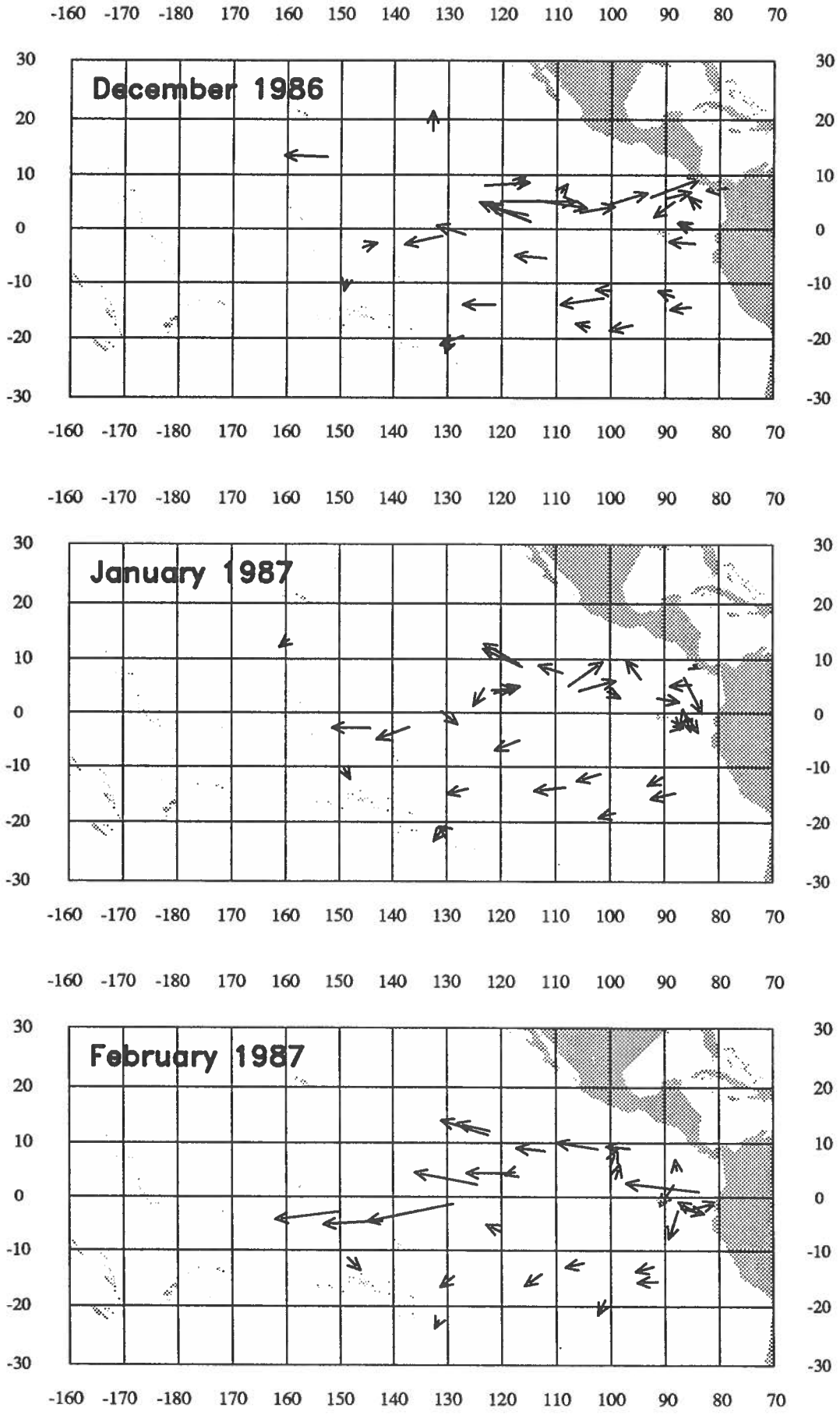

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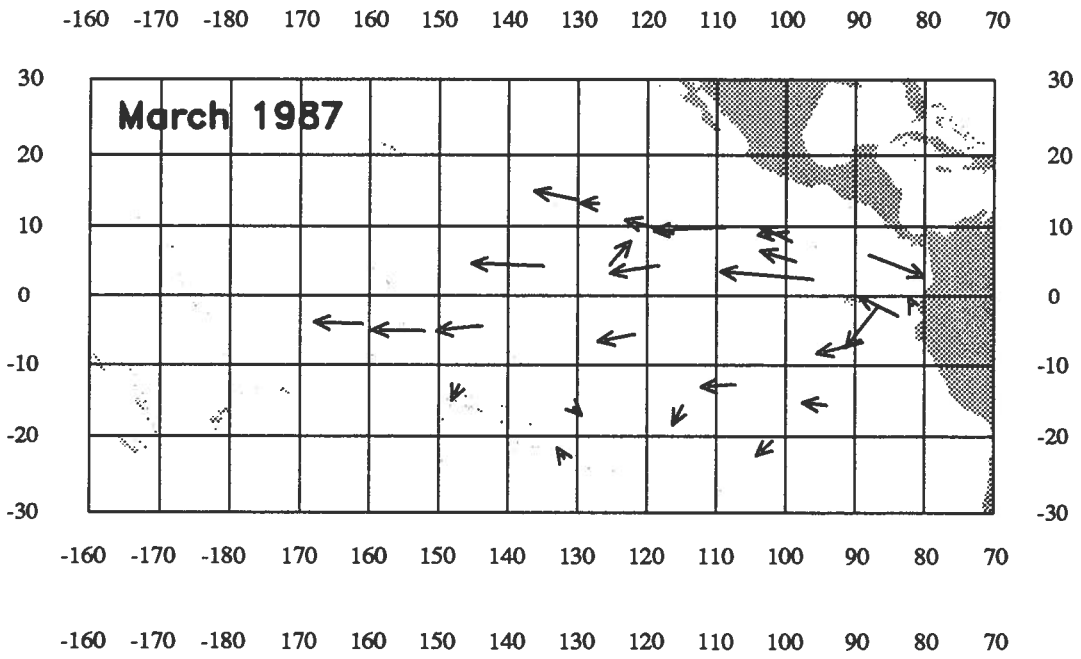
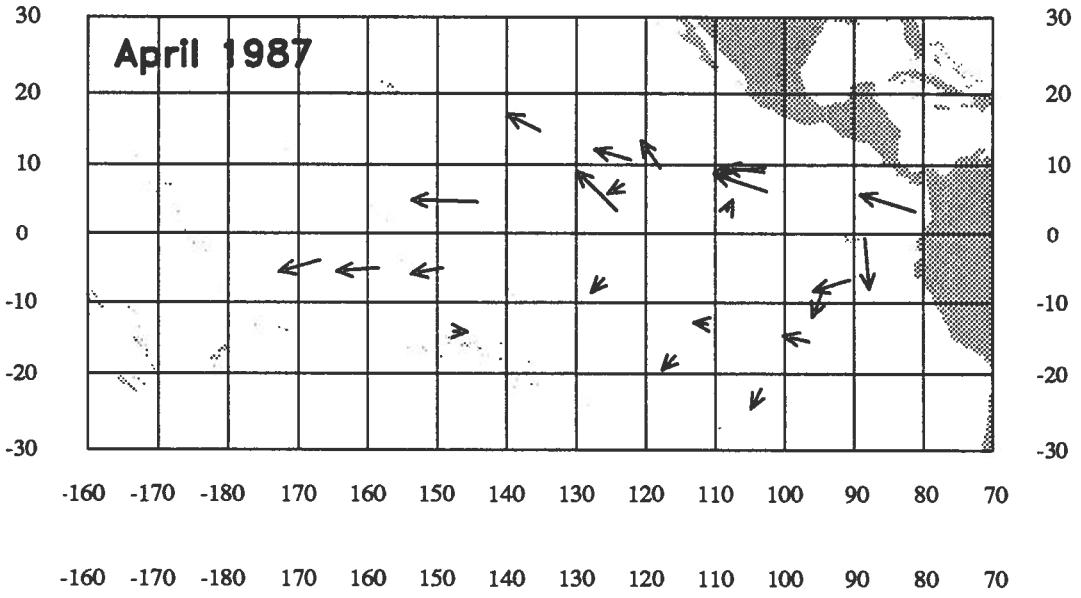
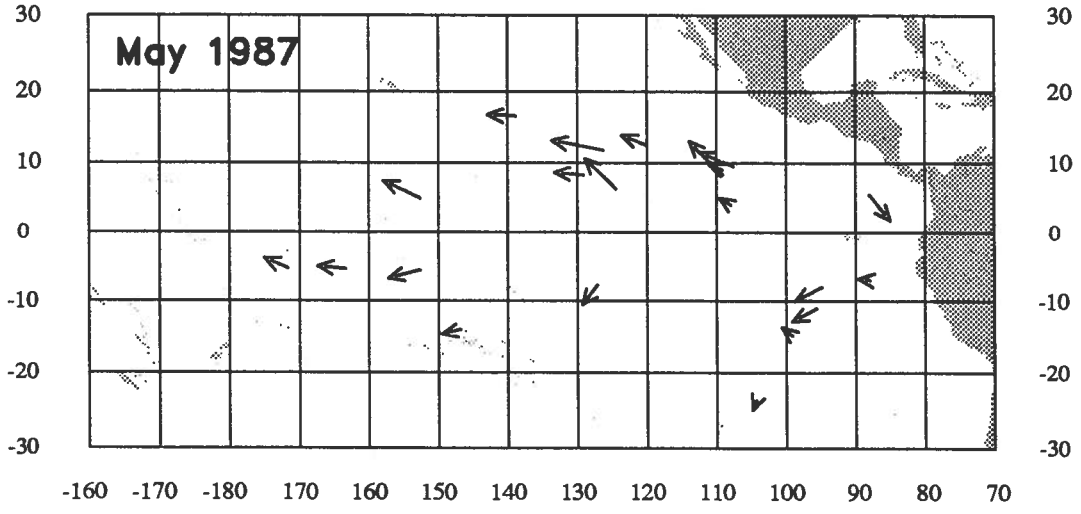
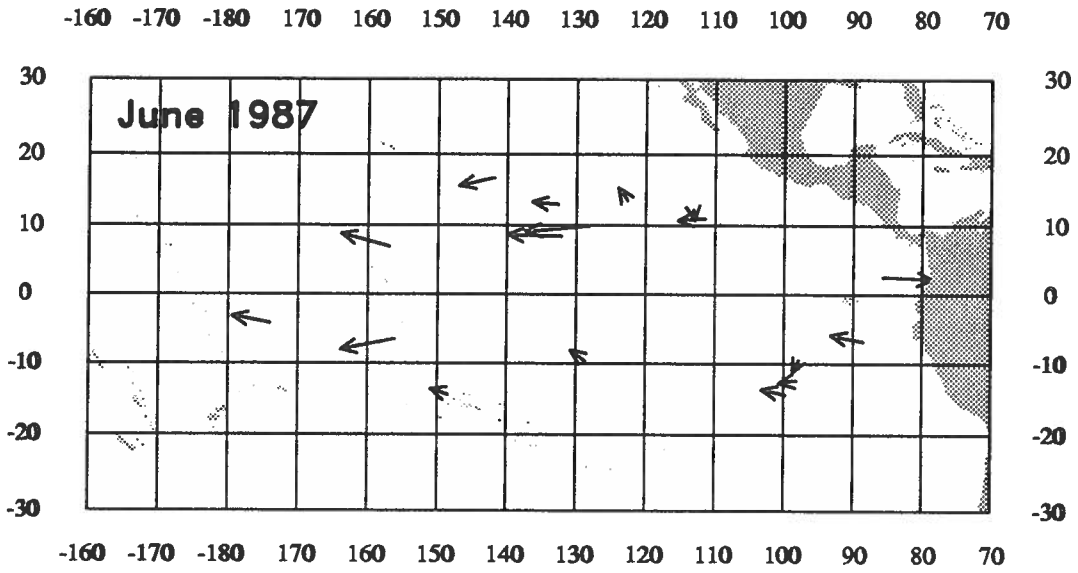




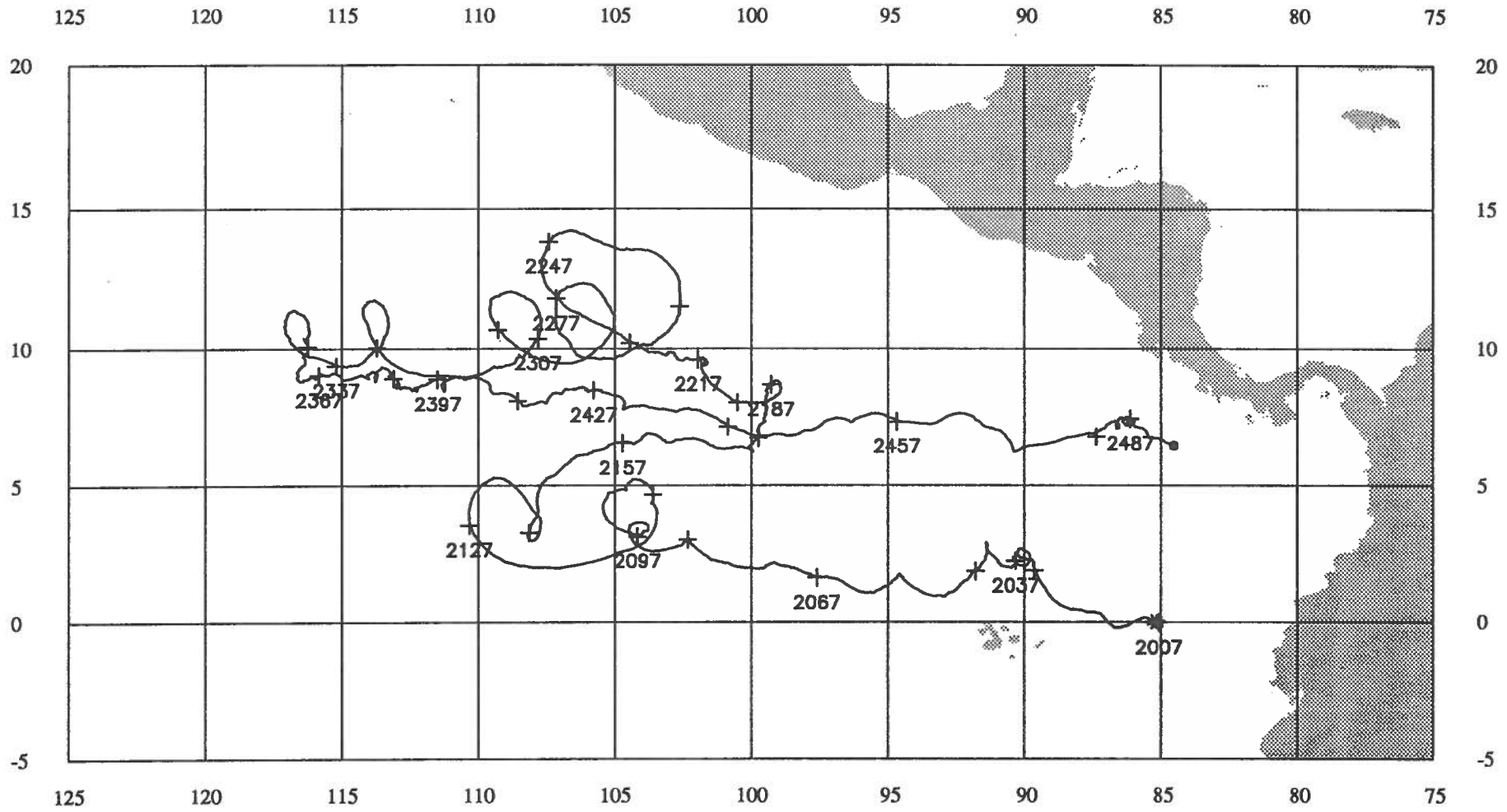


MONTHLY DISPLACEMENT OF BUOYS



MONTHLY DISPLACEMENT OF BUOYS

BUOY 2084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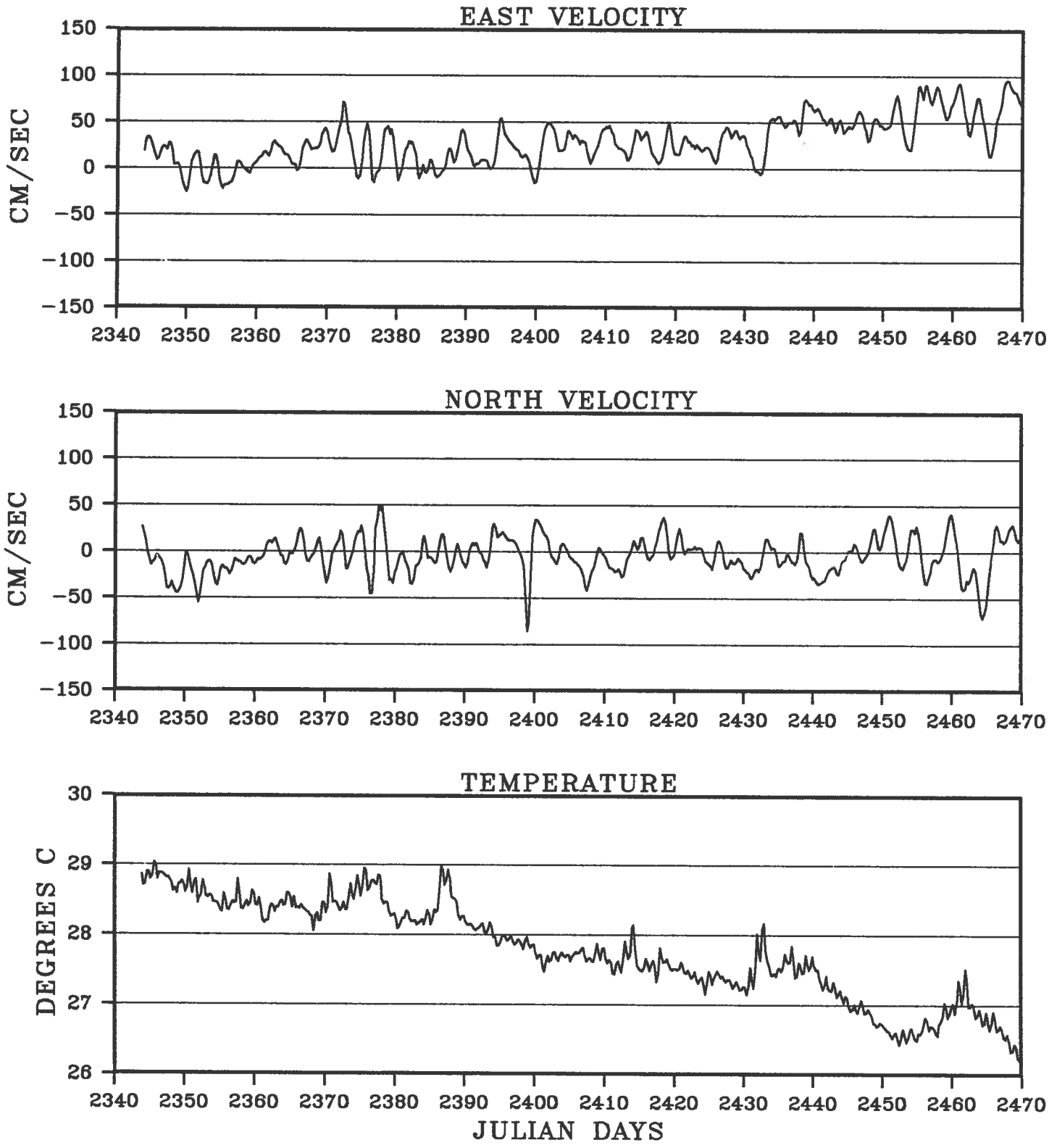
BUOY 2084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NORTH VELOCITY
CM/SEC
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100
50
0
-50
-100
-150
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
TEMPERATURE
DEGREES C
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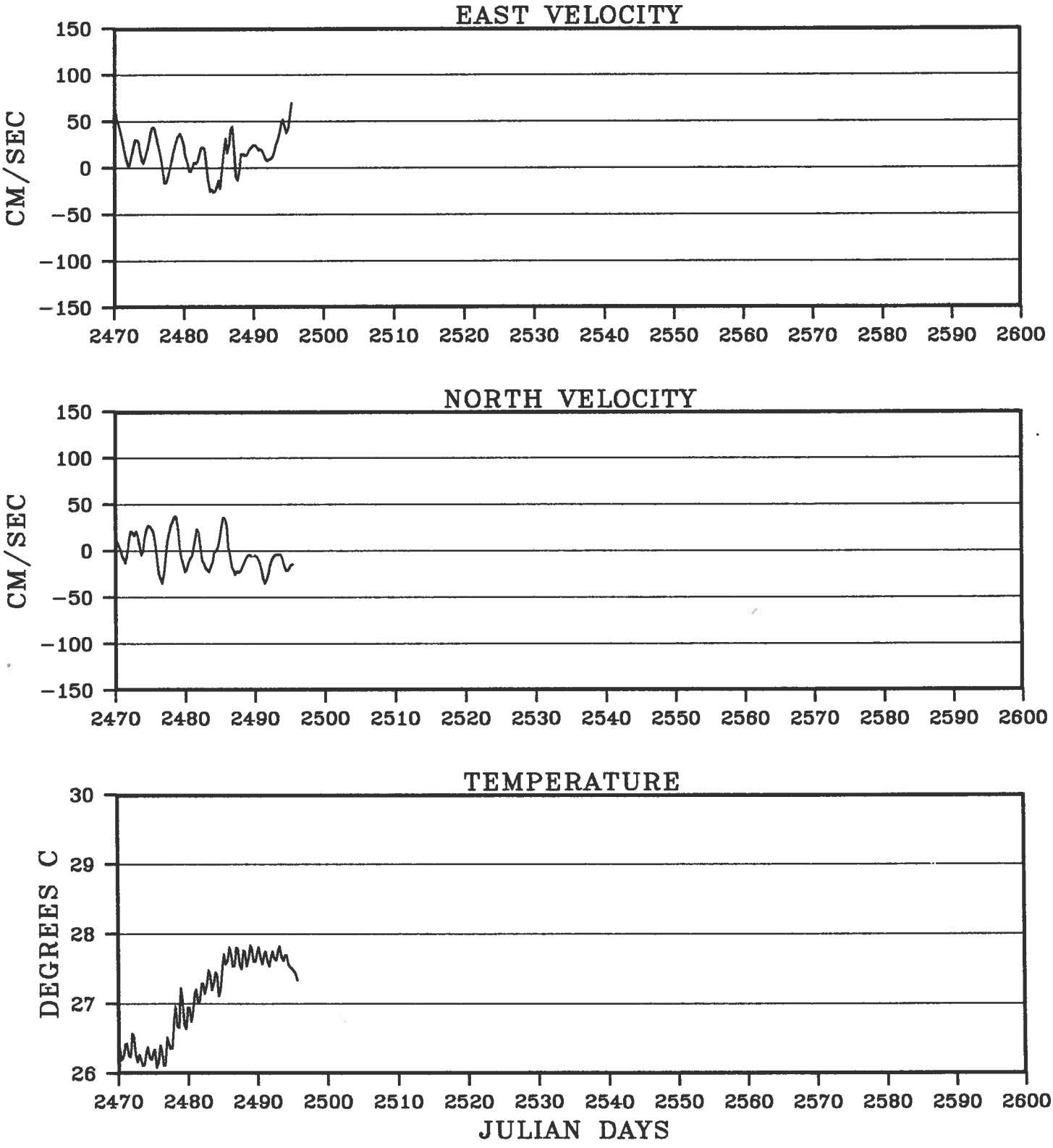
JULIAN DAYS

BUOY 2084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NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
TEMPERATURE
DEGREES C
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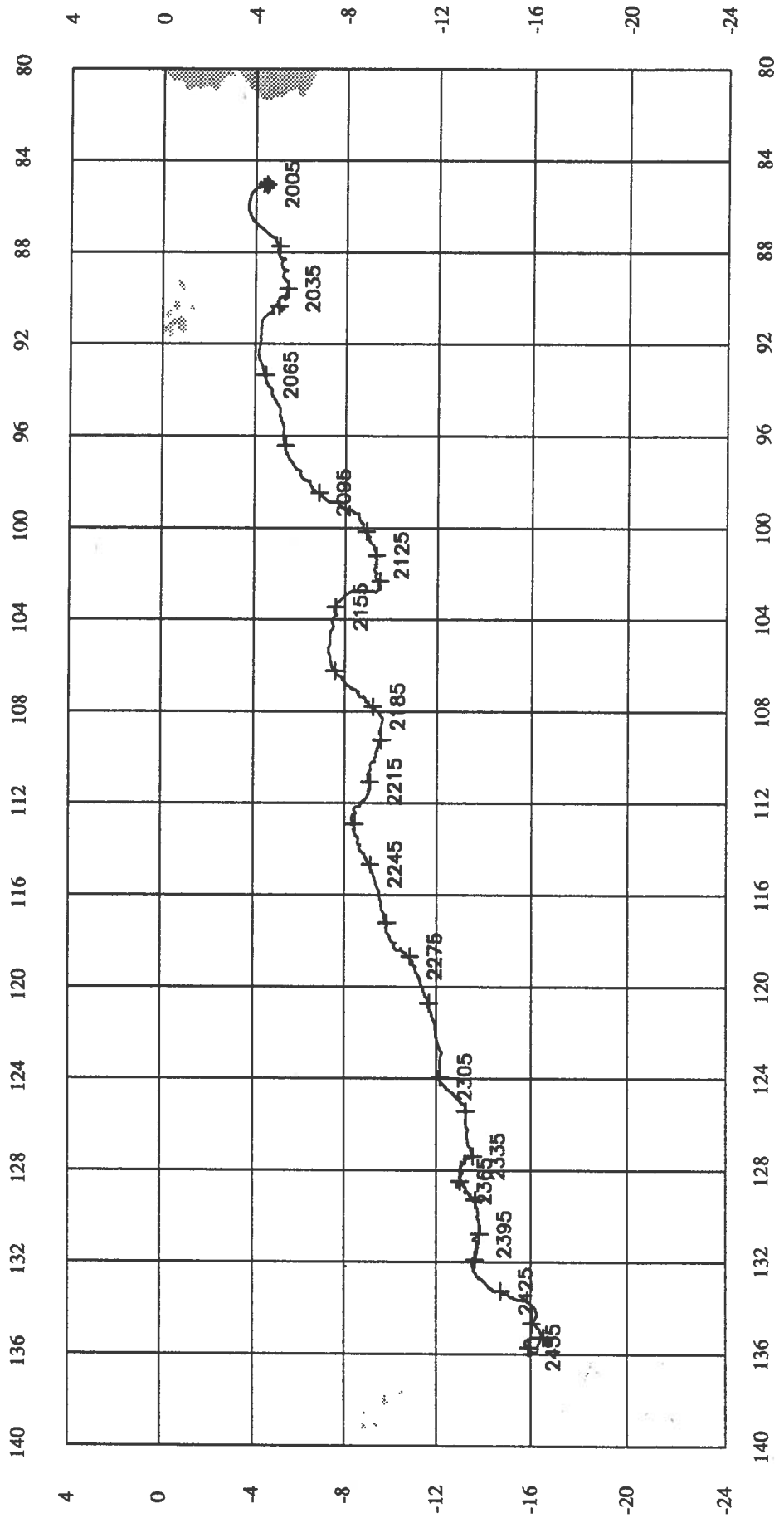
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
JULIAN DAYS

BUOY 2086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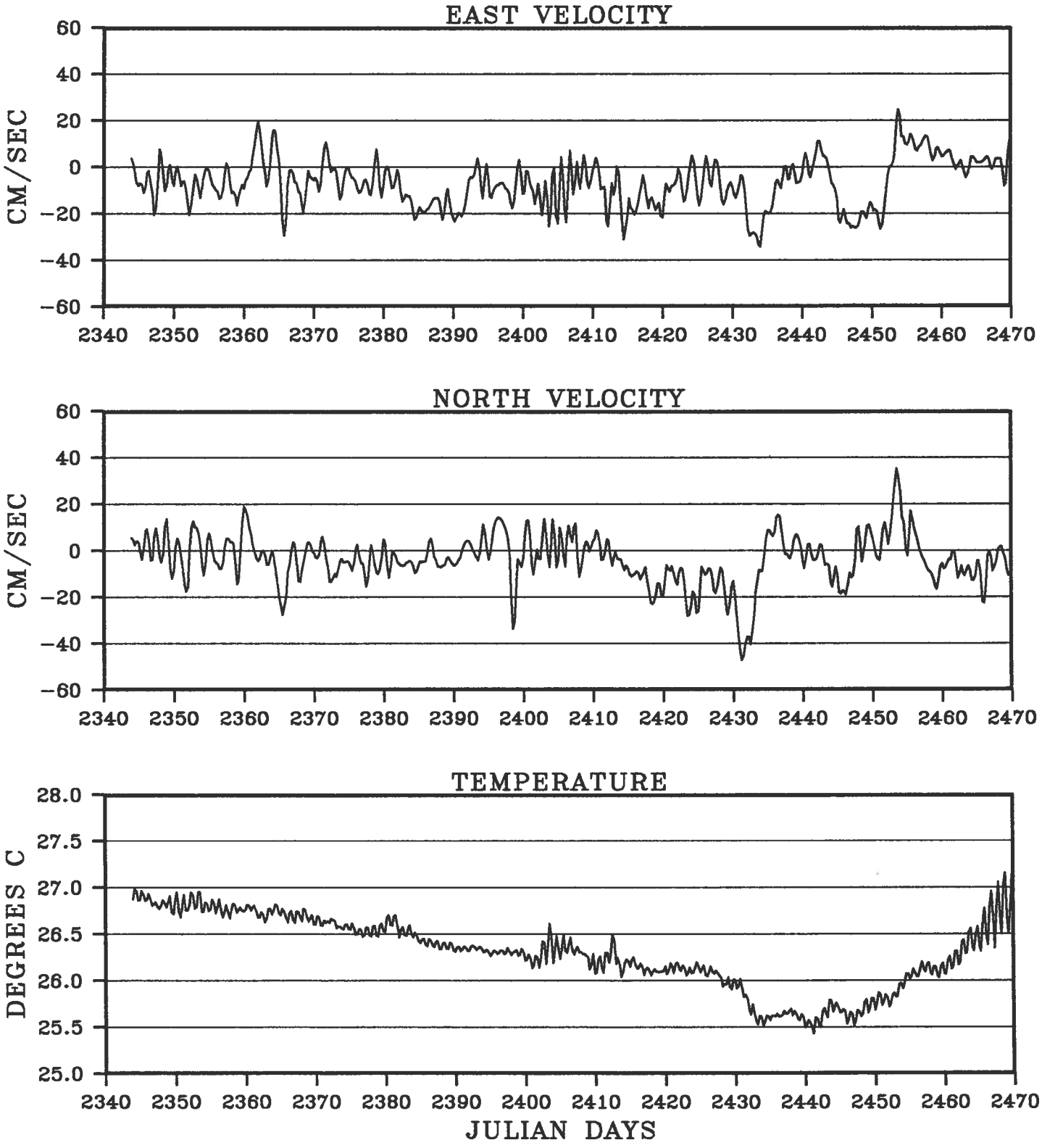
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JULIAN DAYS

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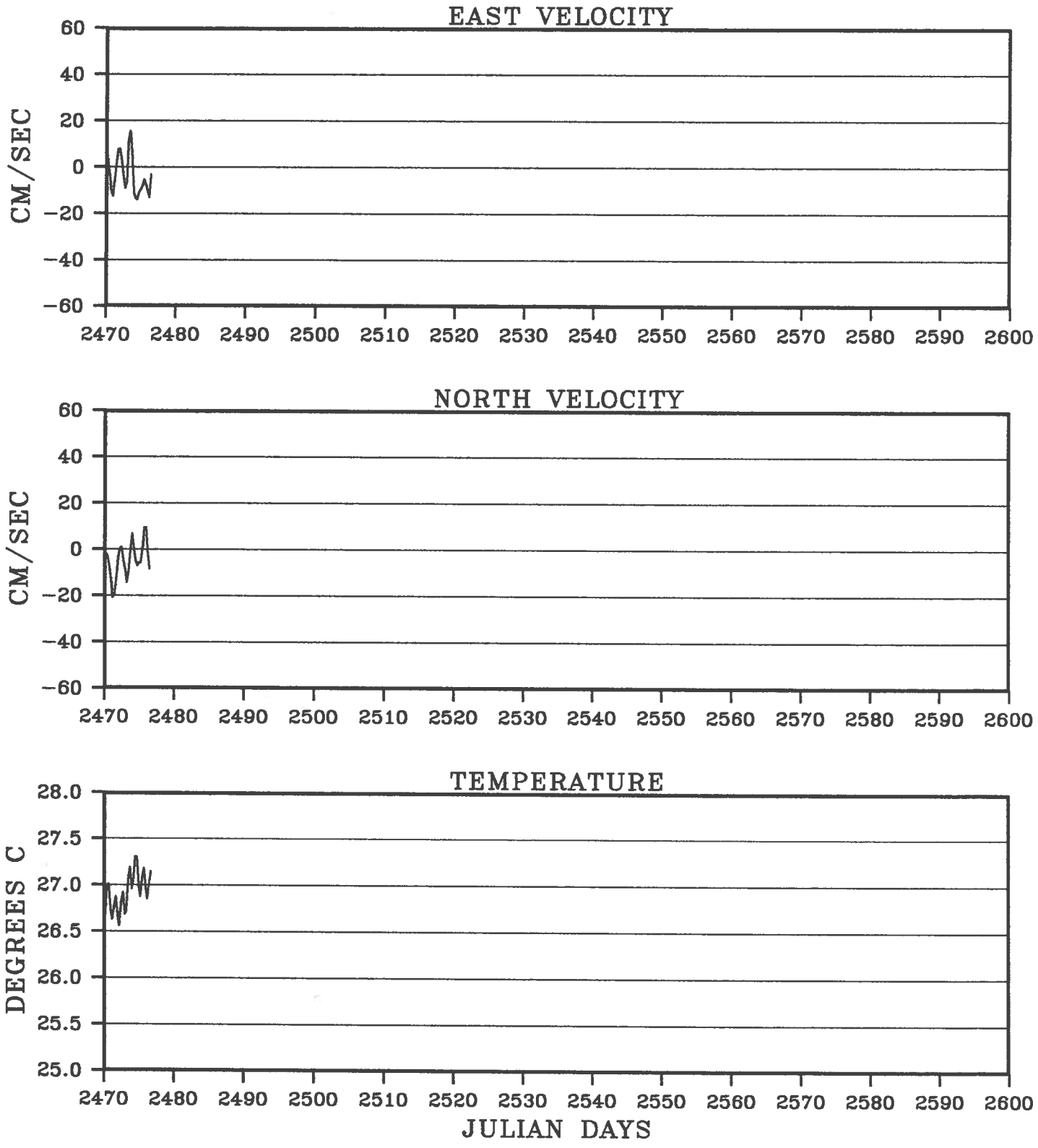
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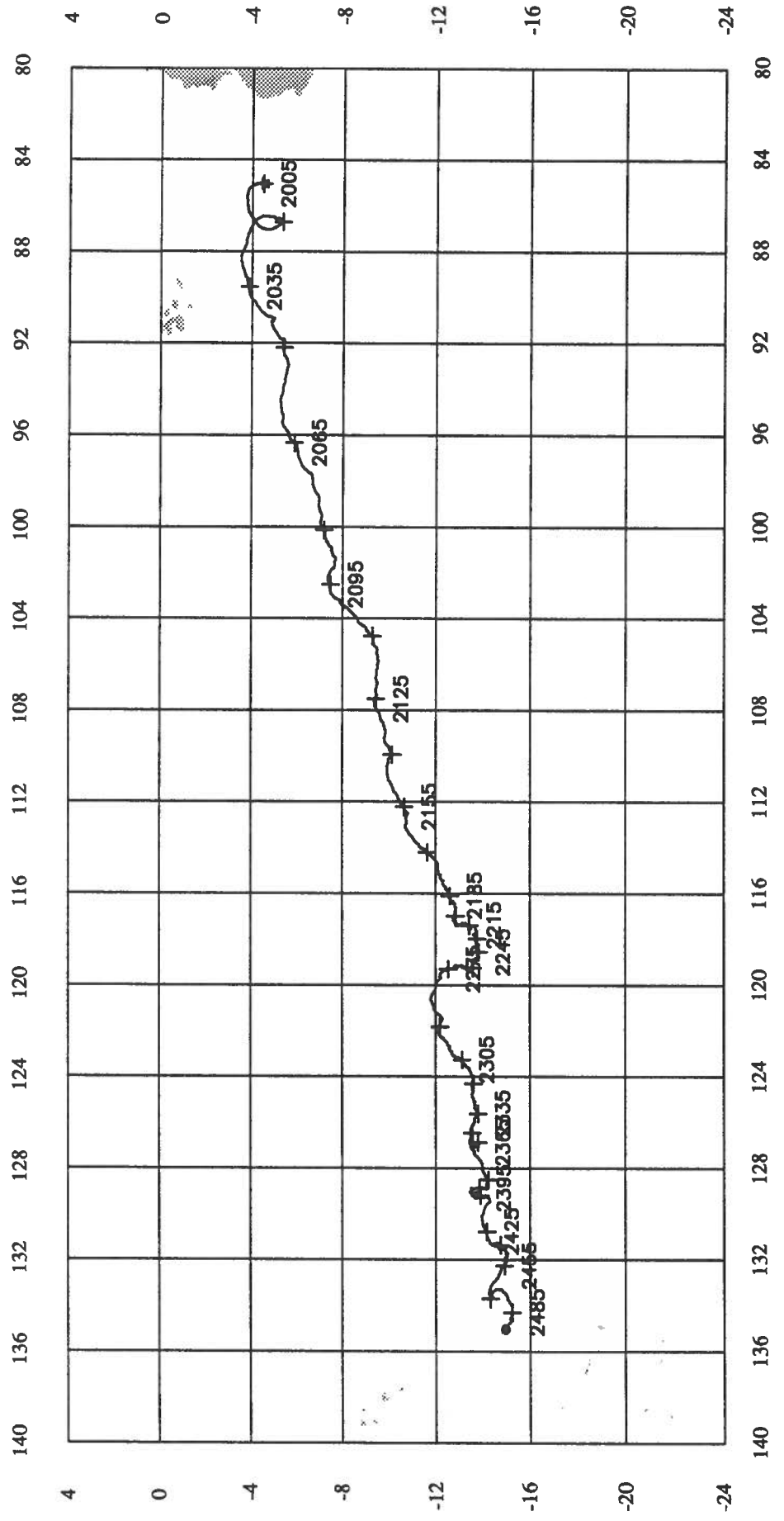
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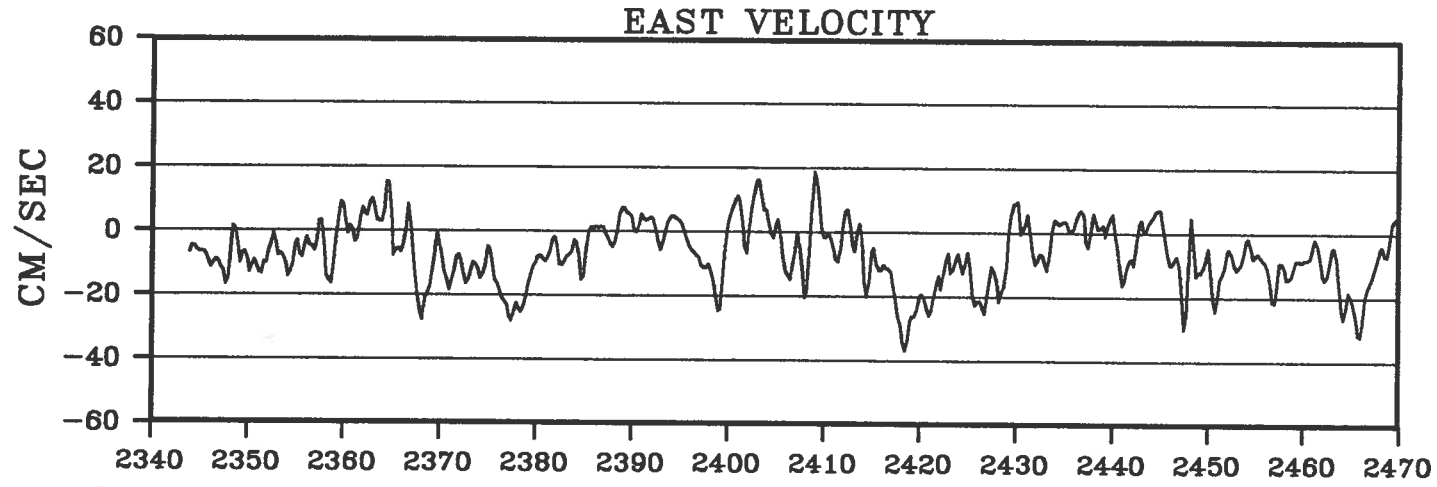
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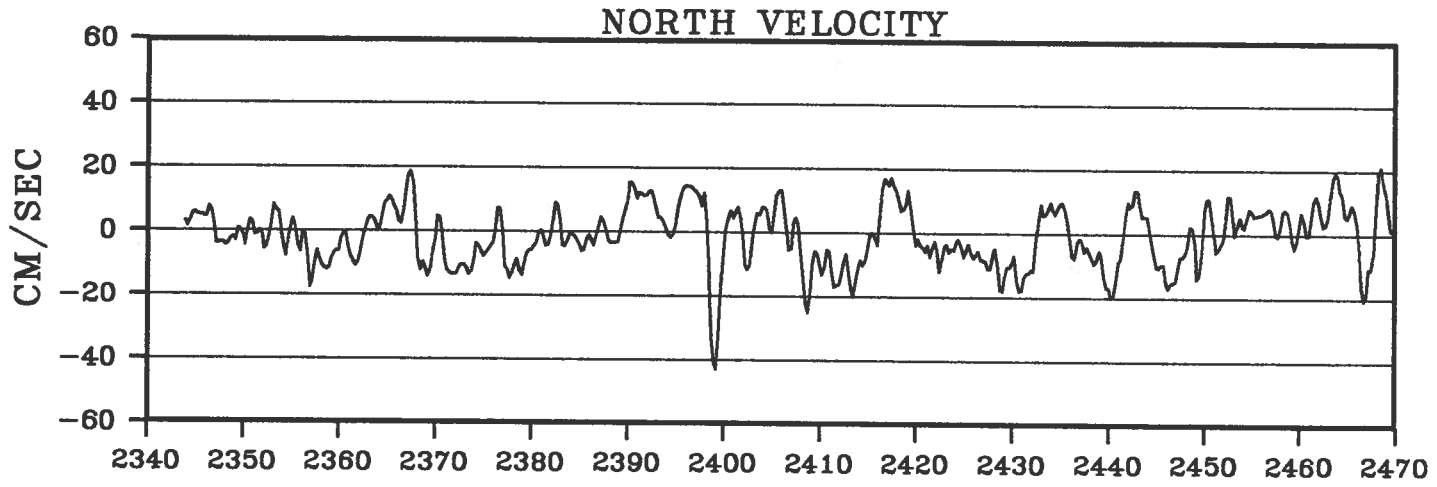
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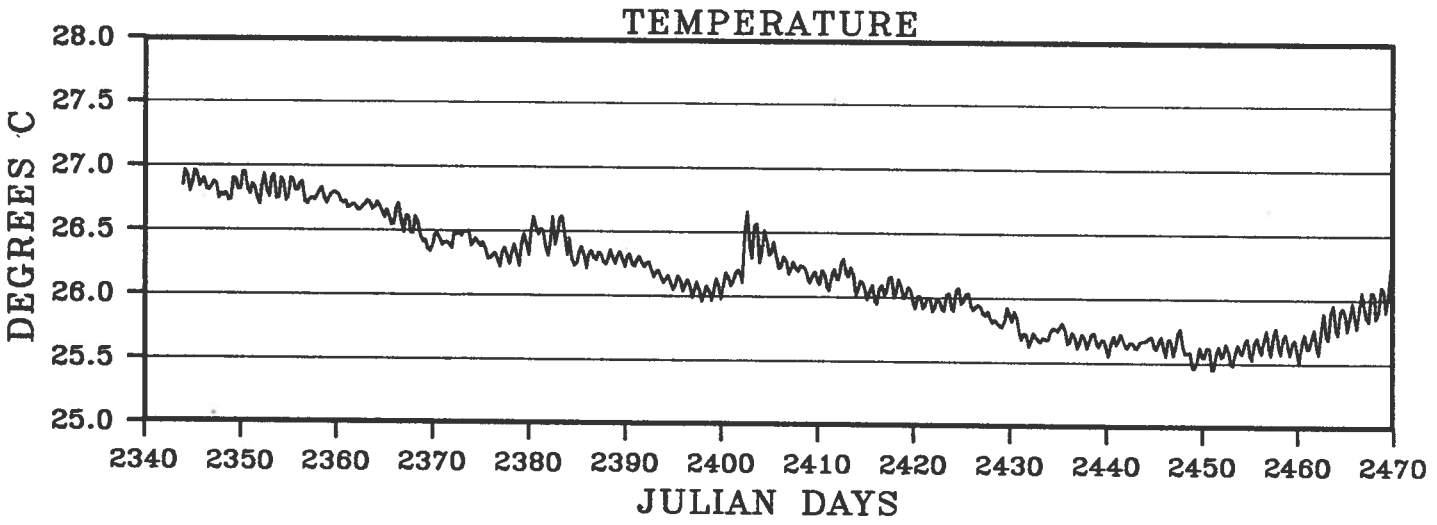
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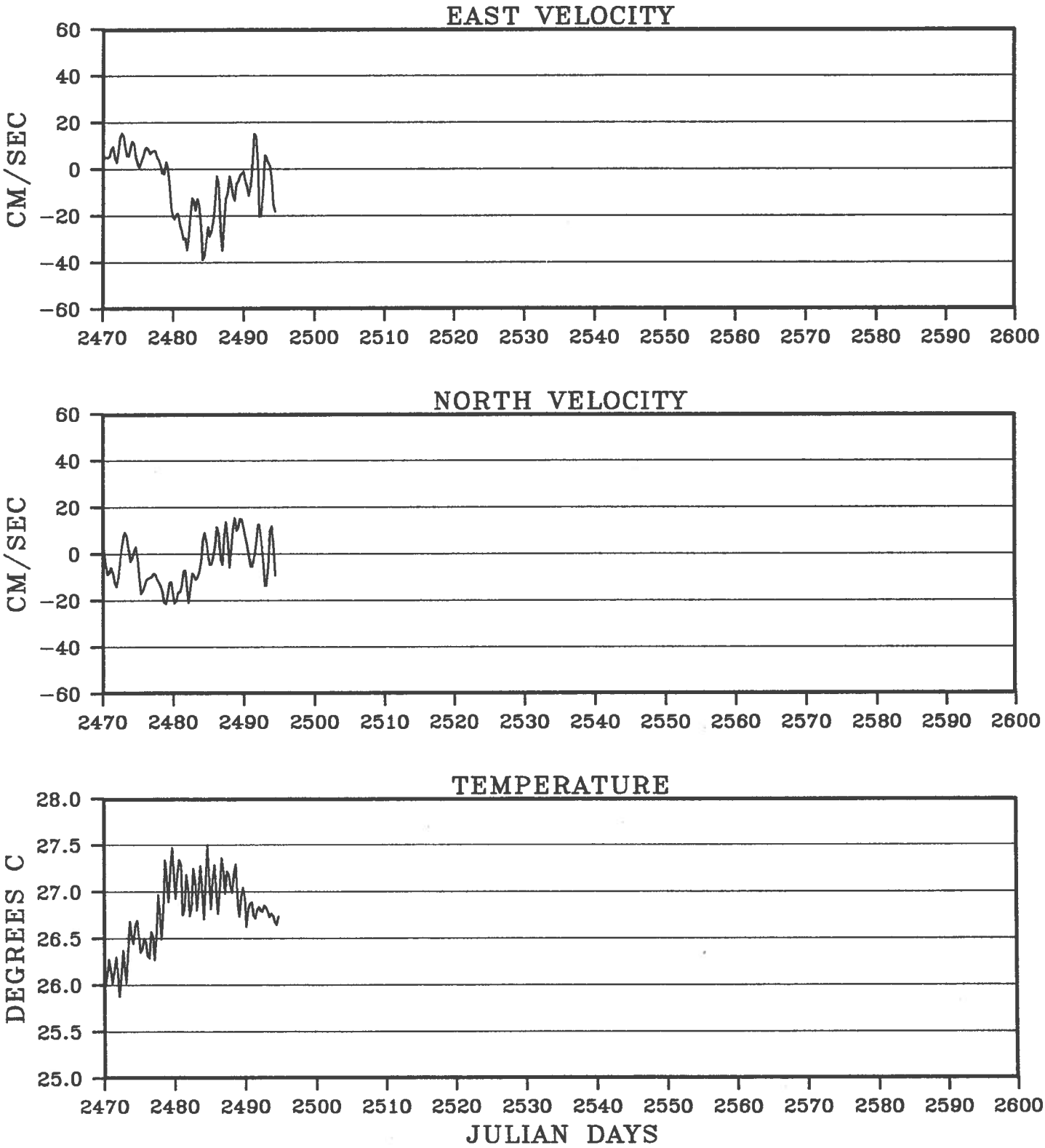
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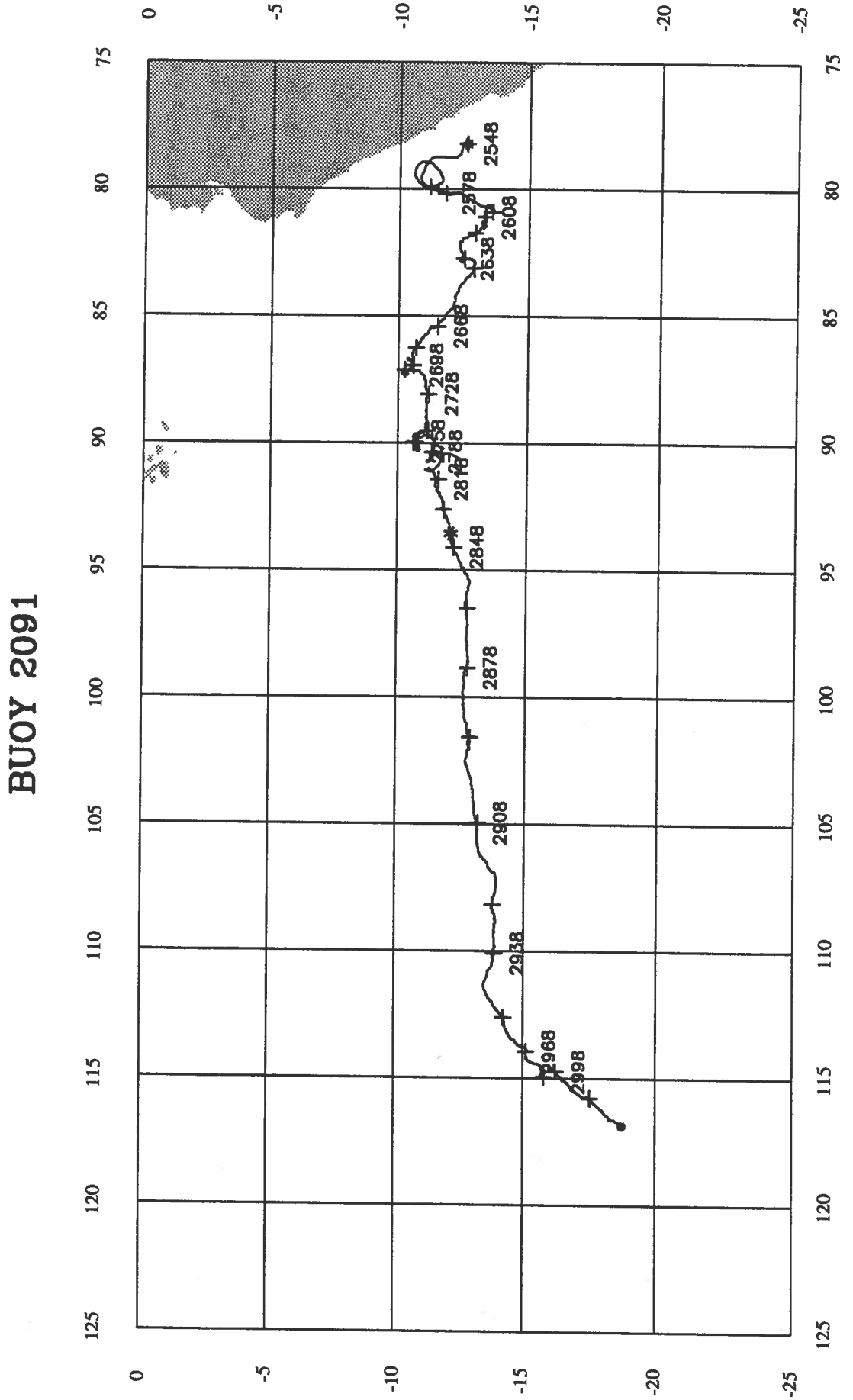
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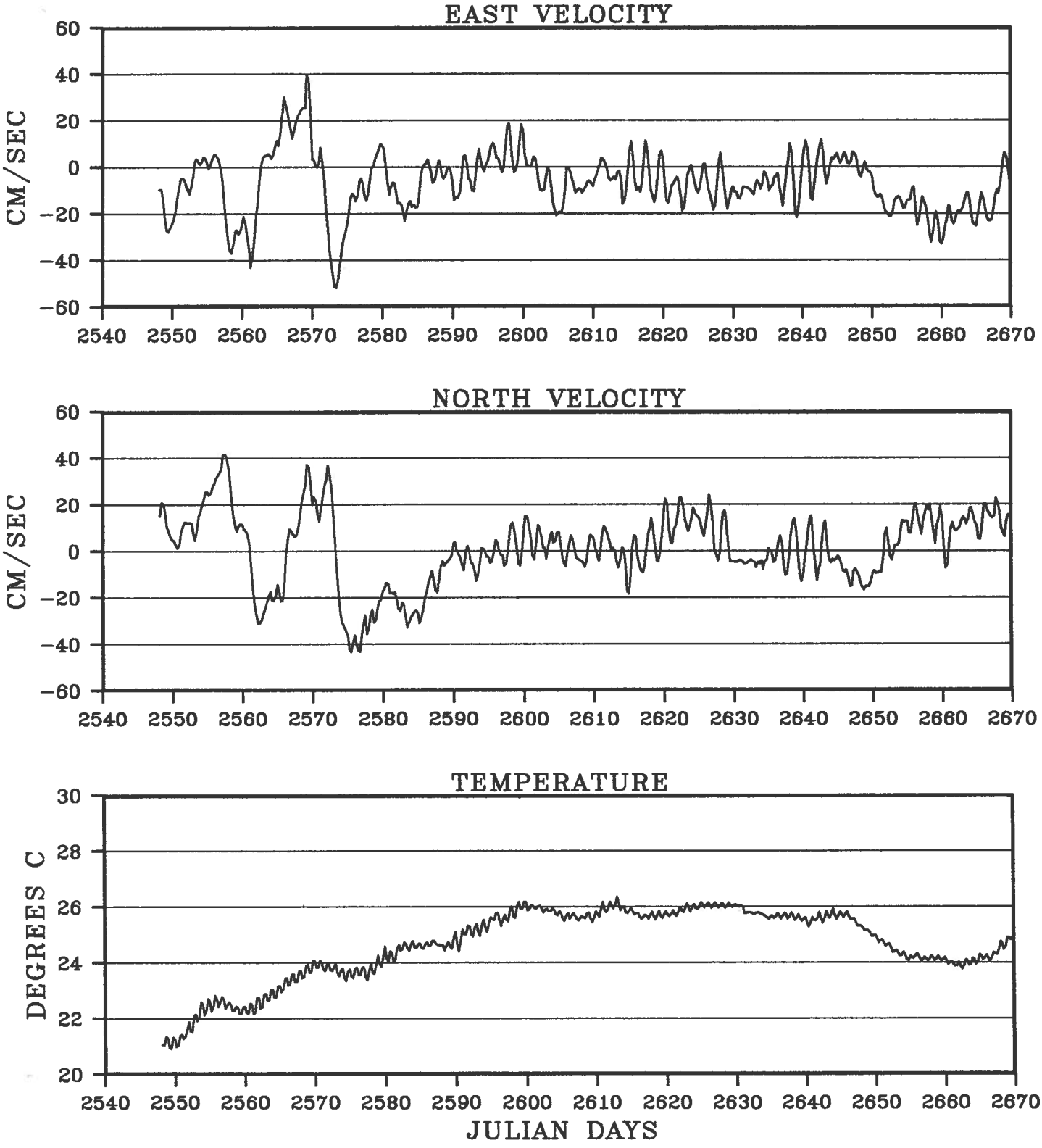
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TEMPERATURE
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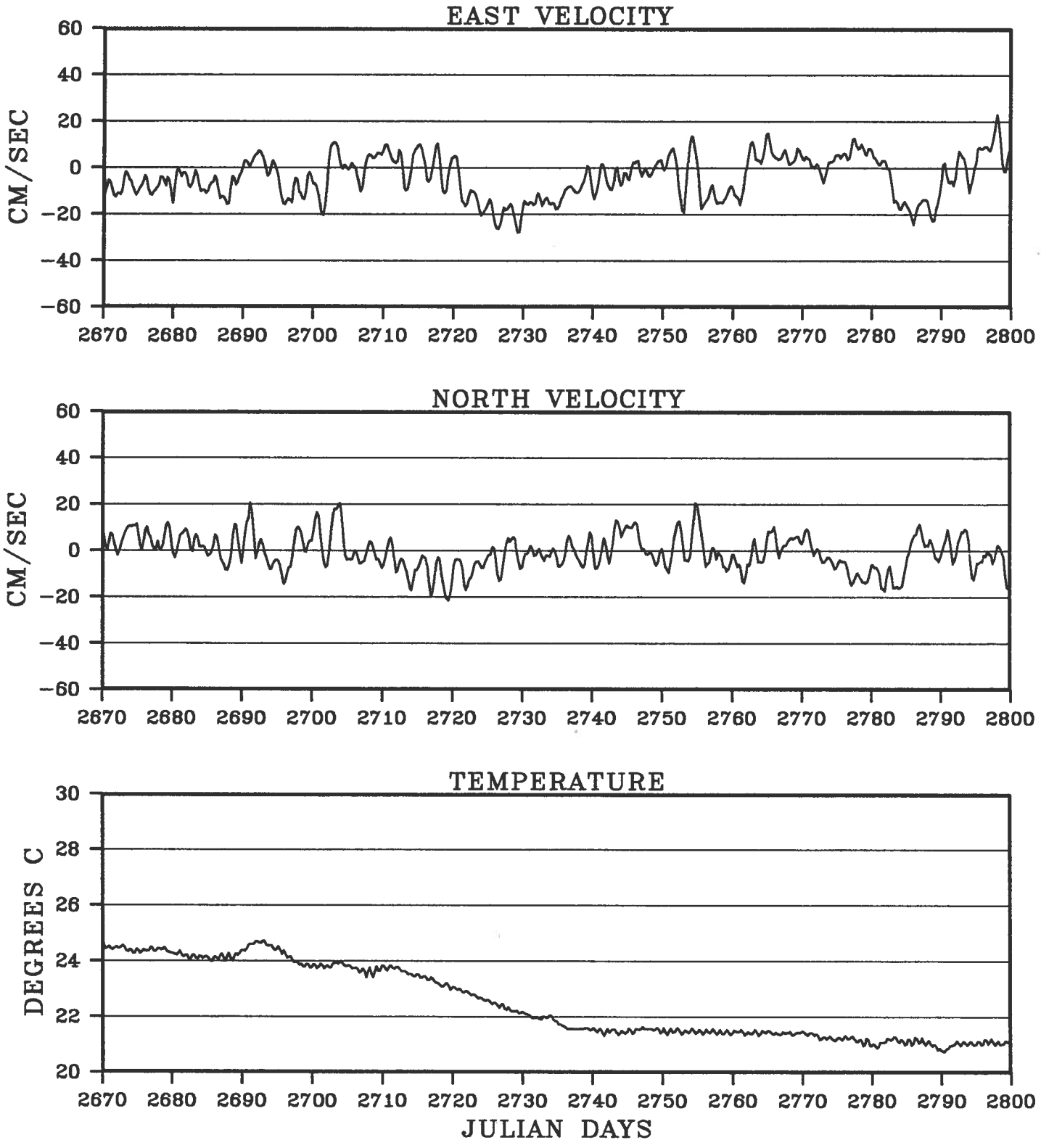
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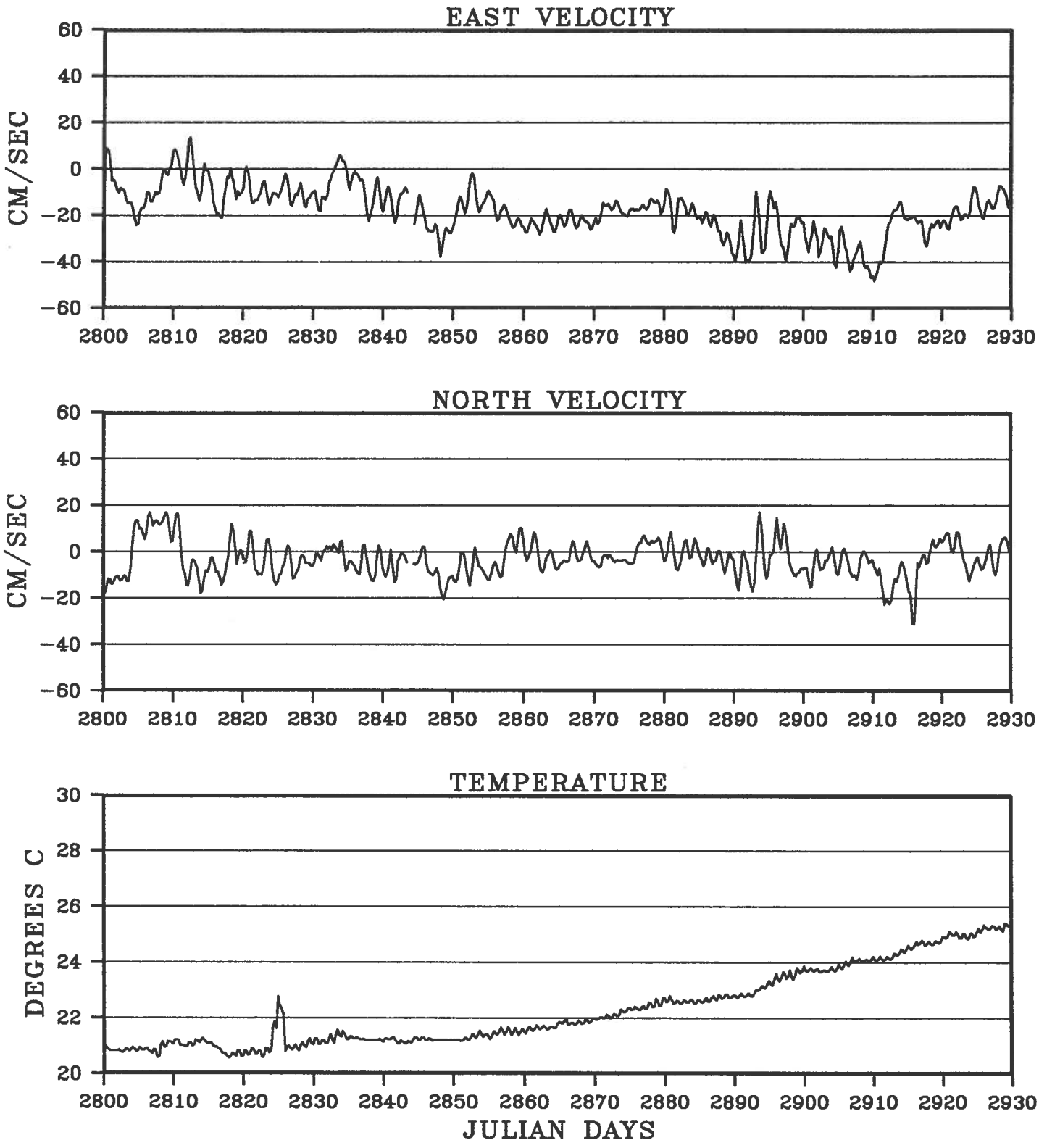
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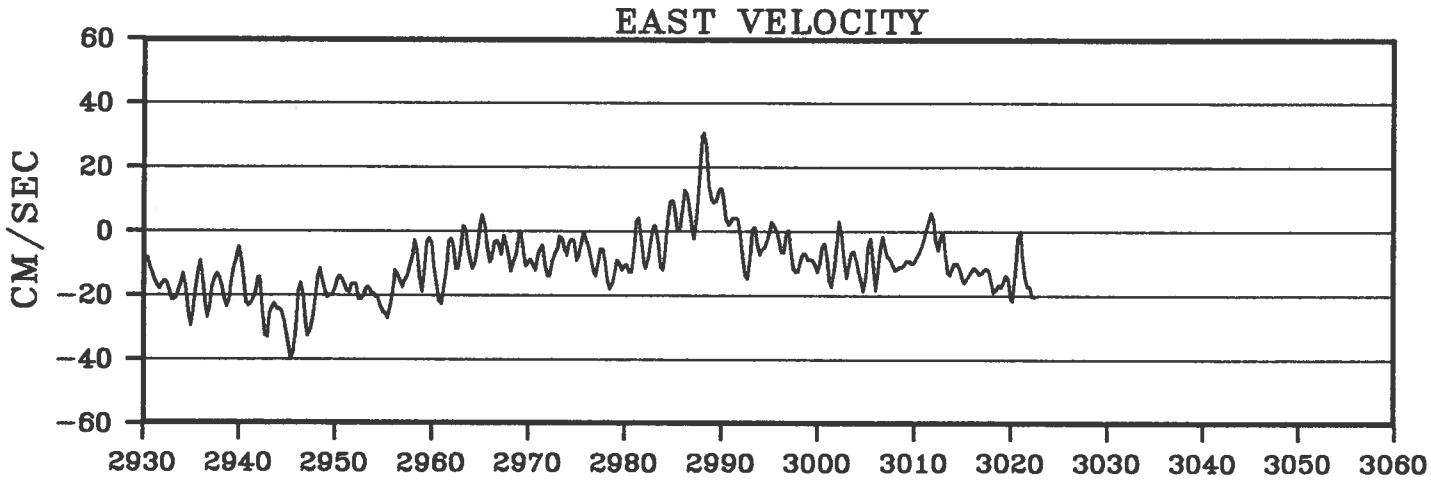
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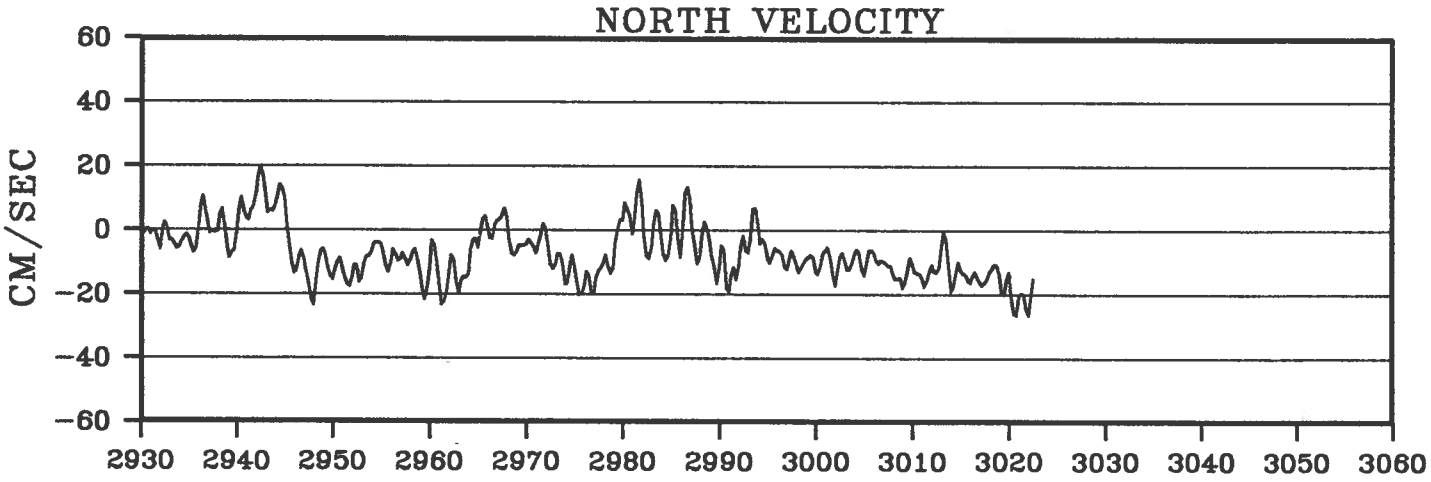
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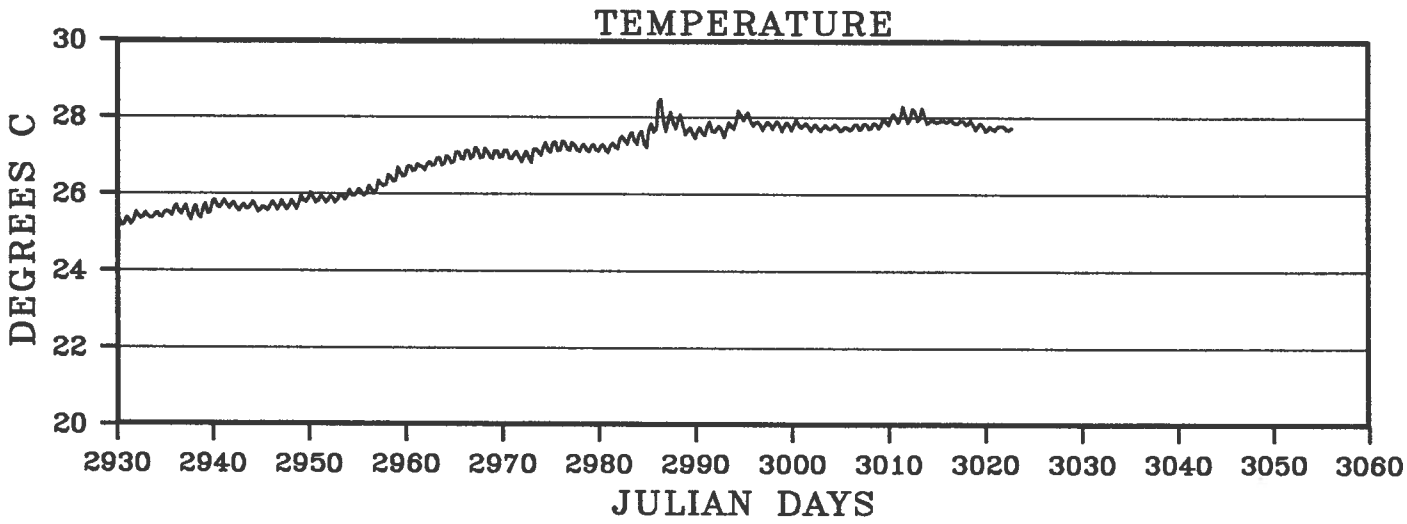
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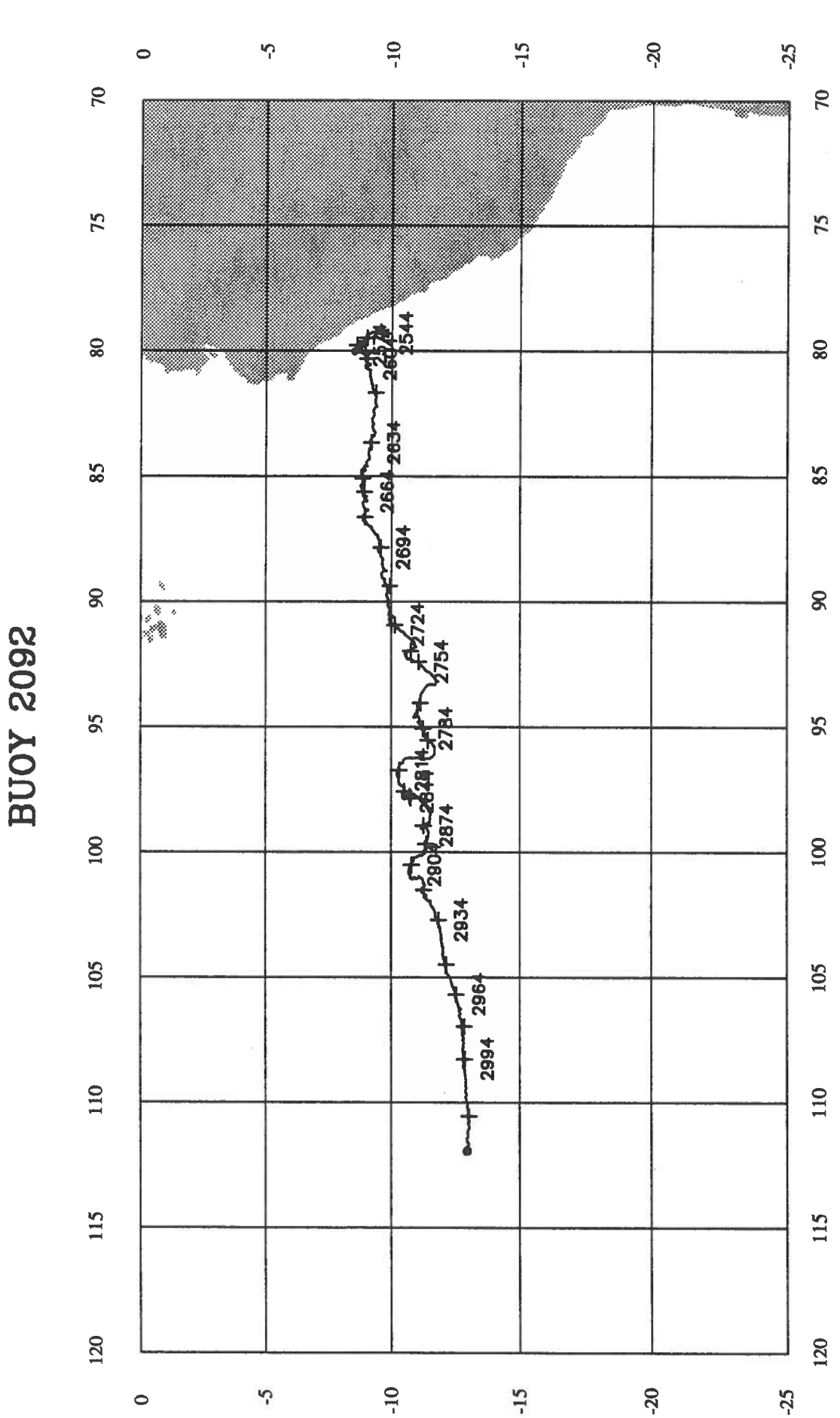
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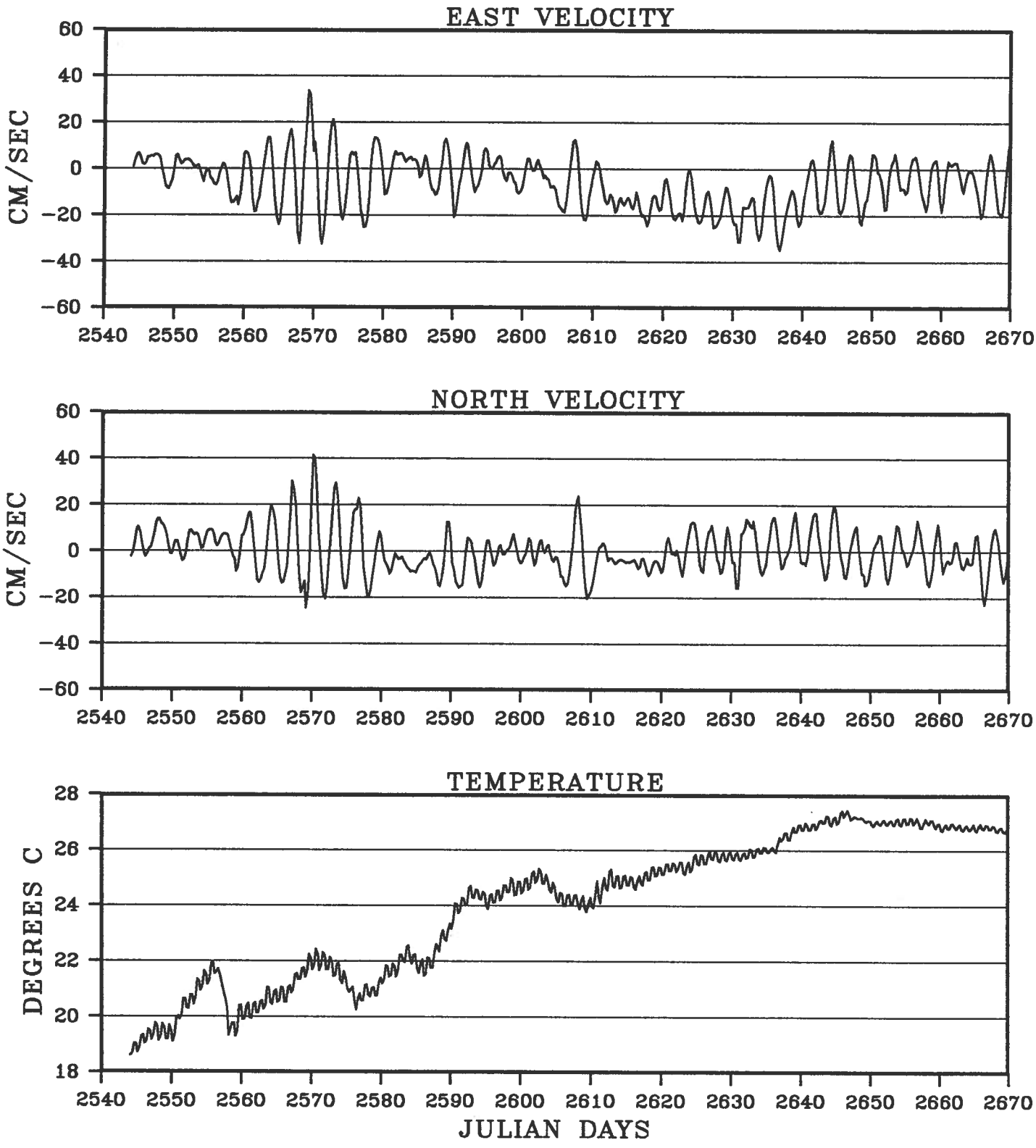
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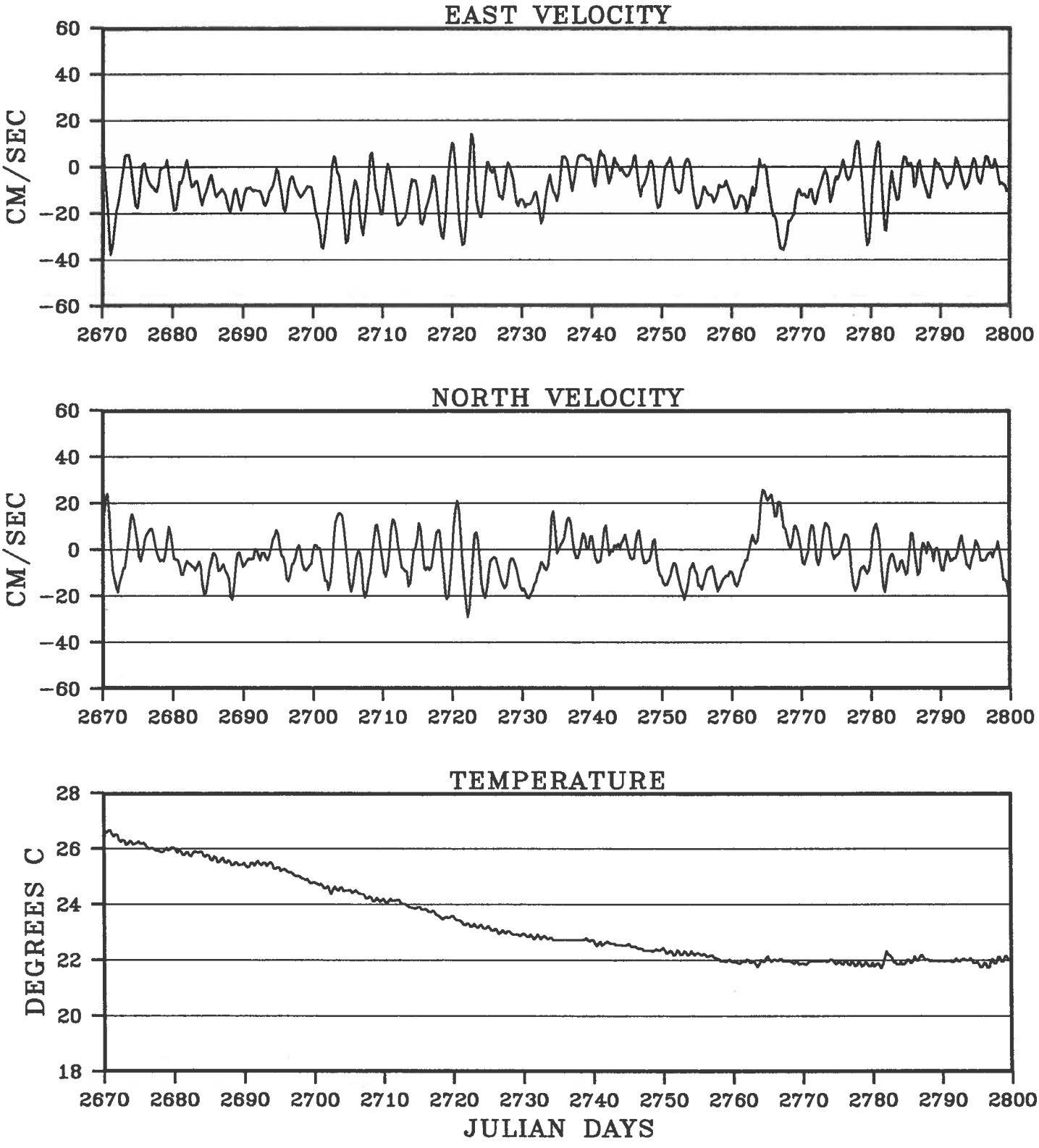
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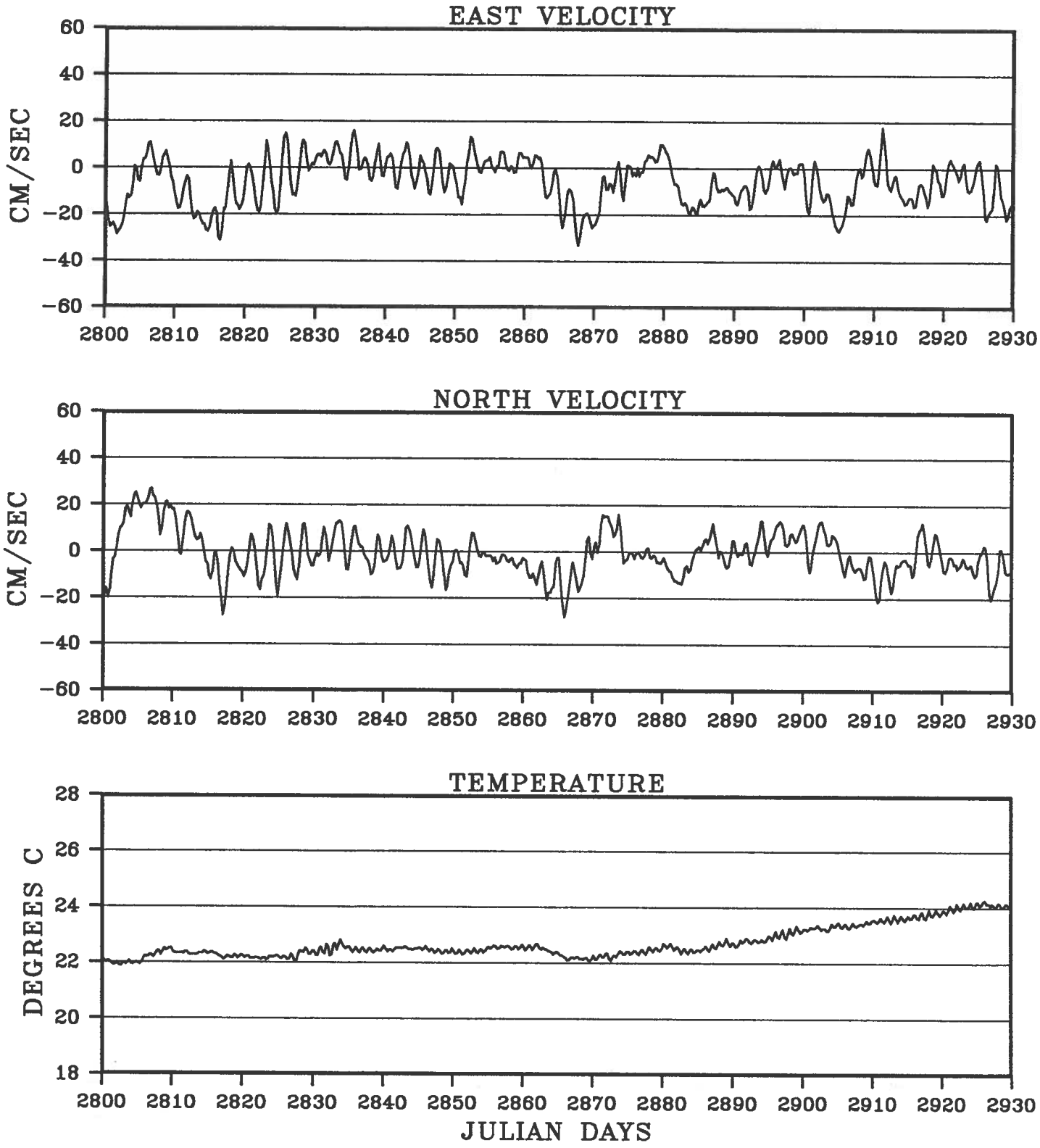
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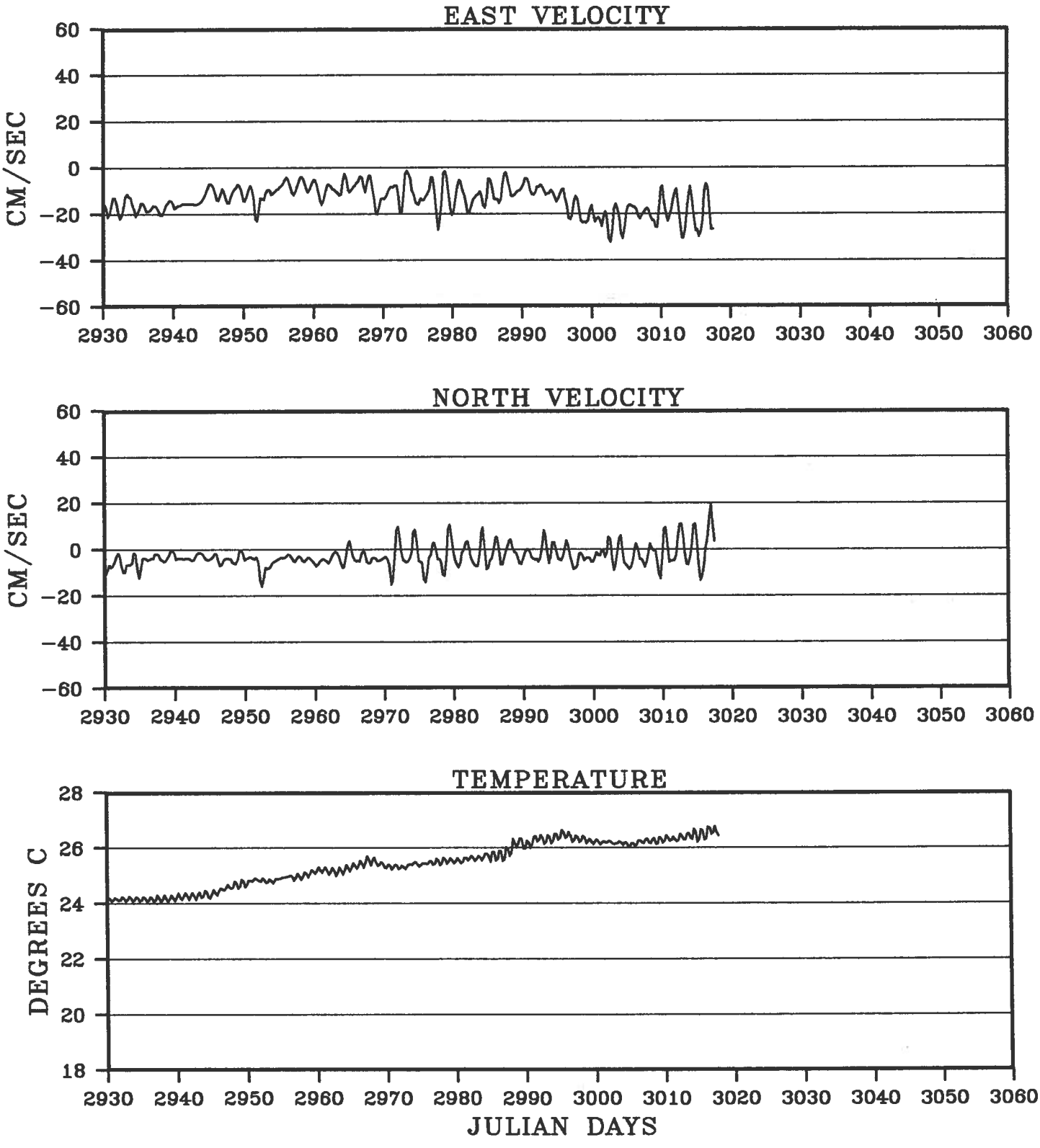
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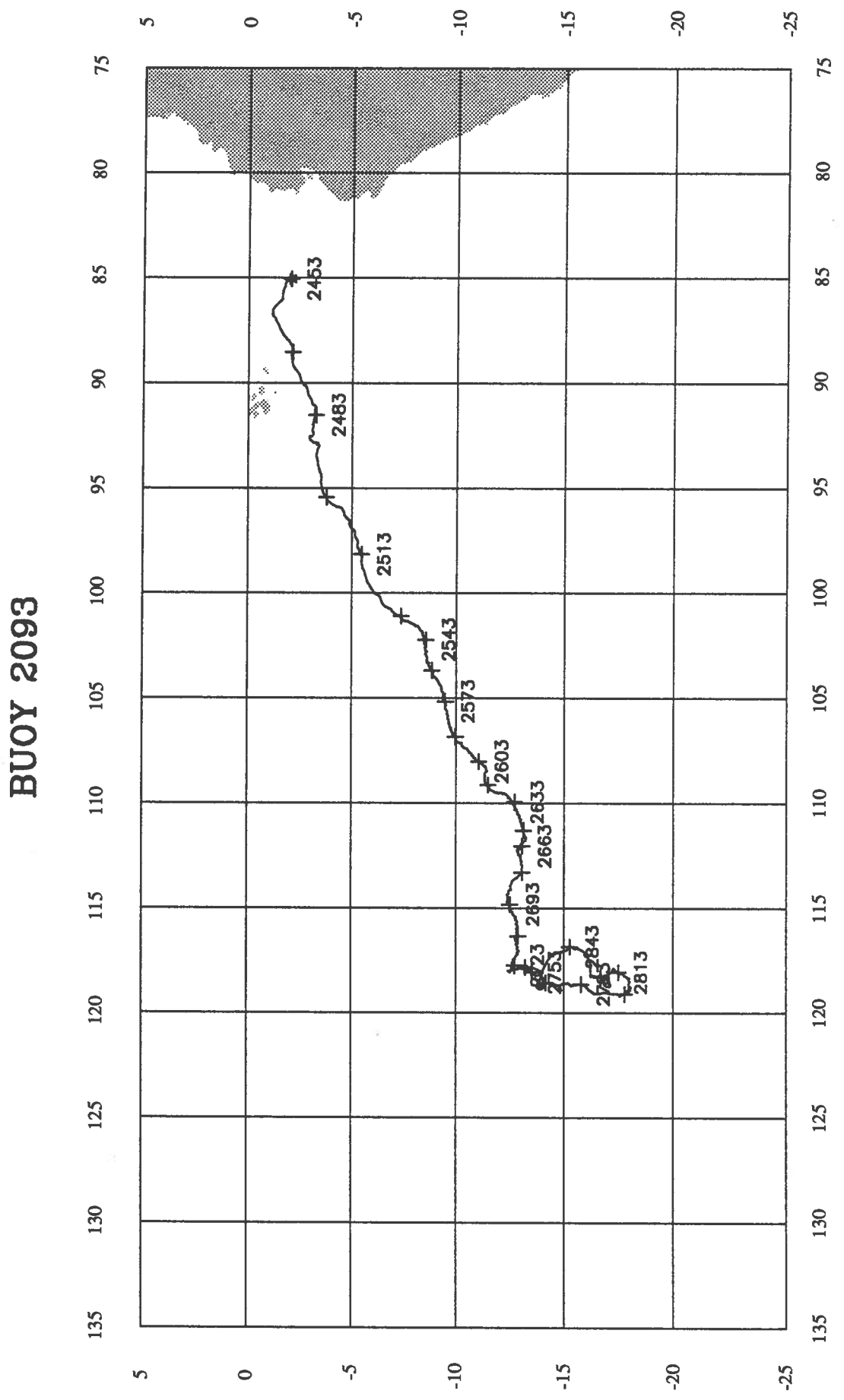
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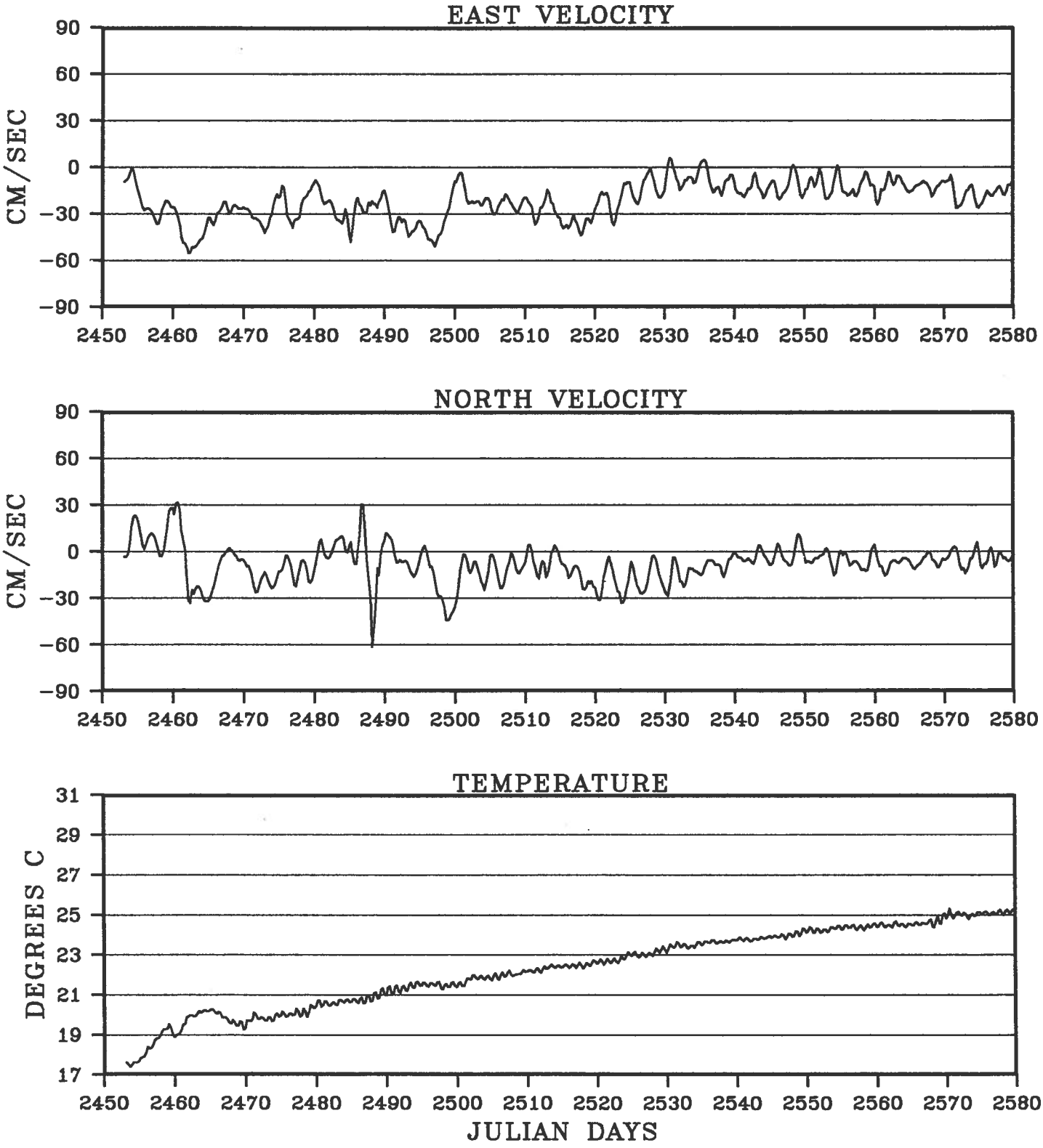
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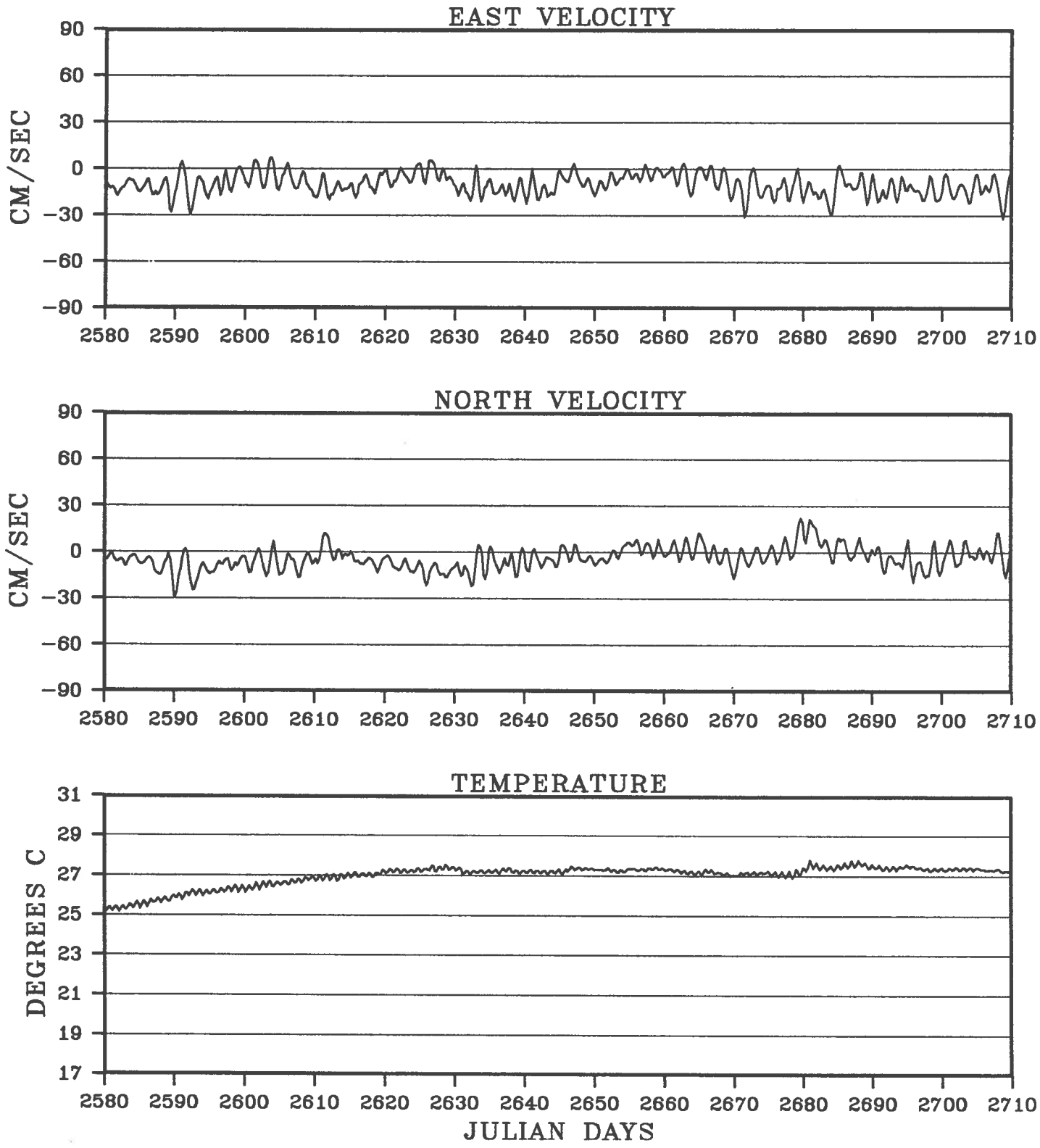
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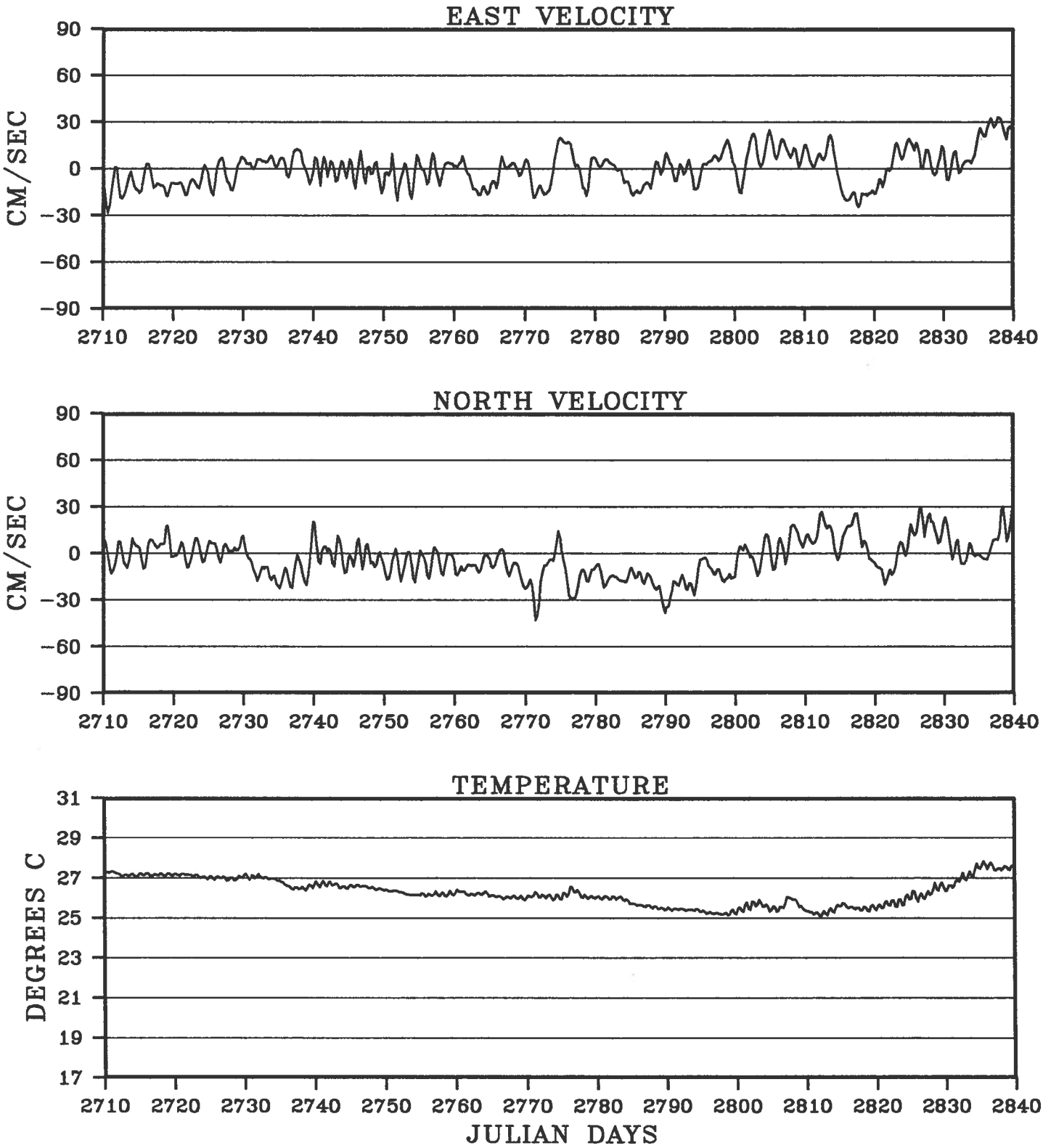
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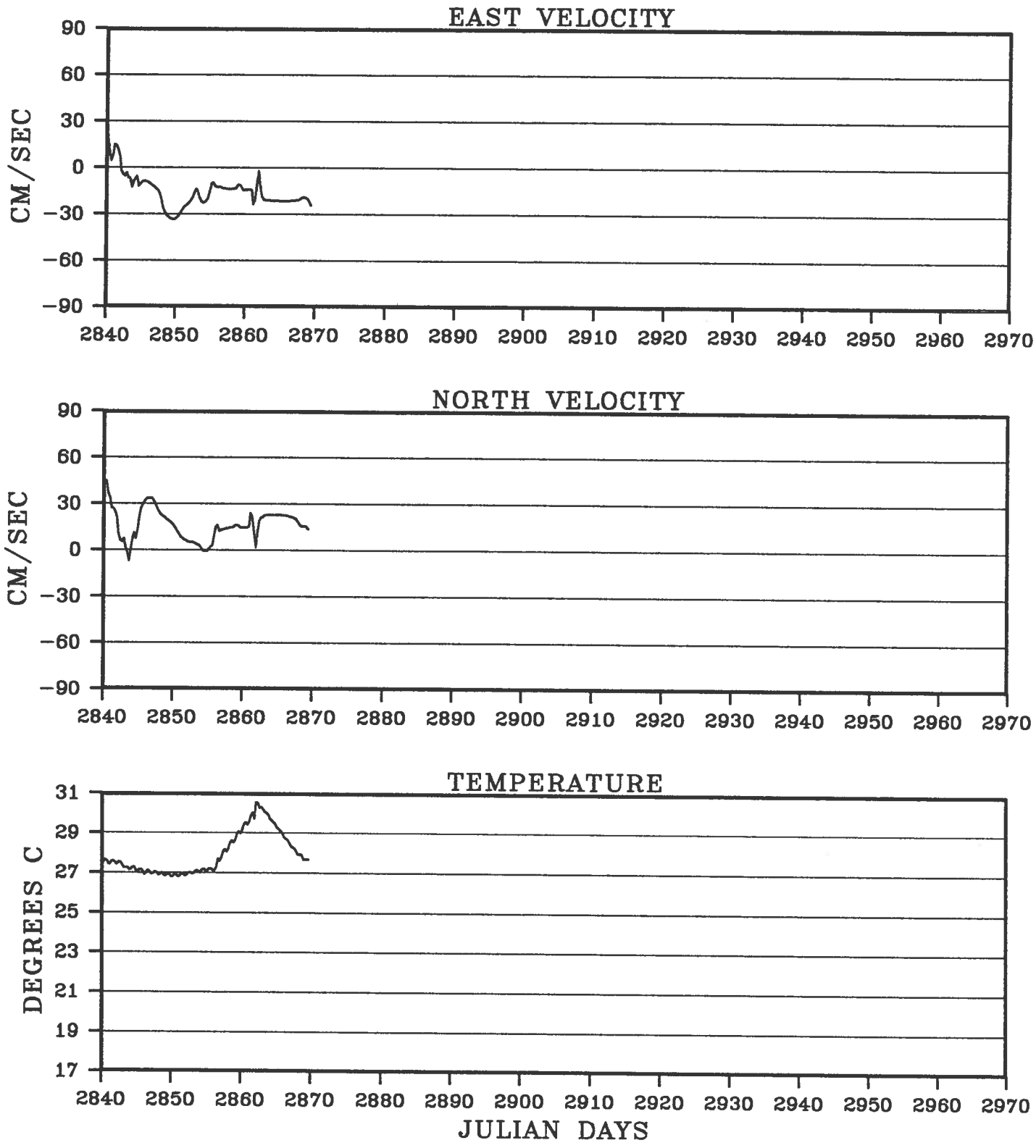
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TEMPERATURE
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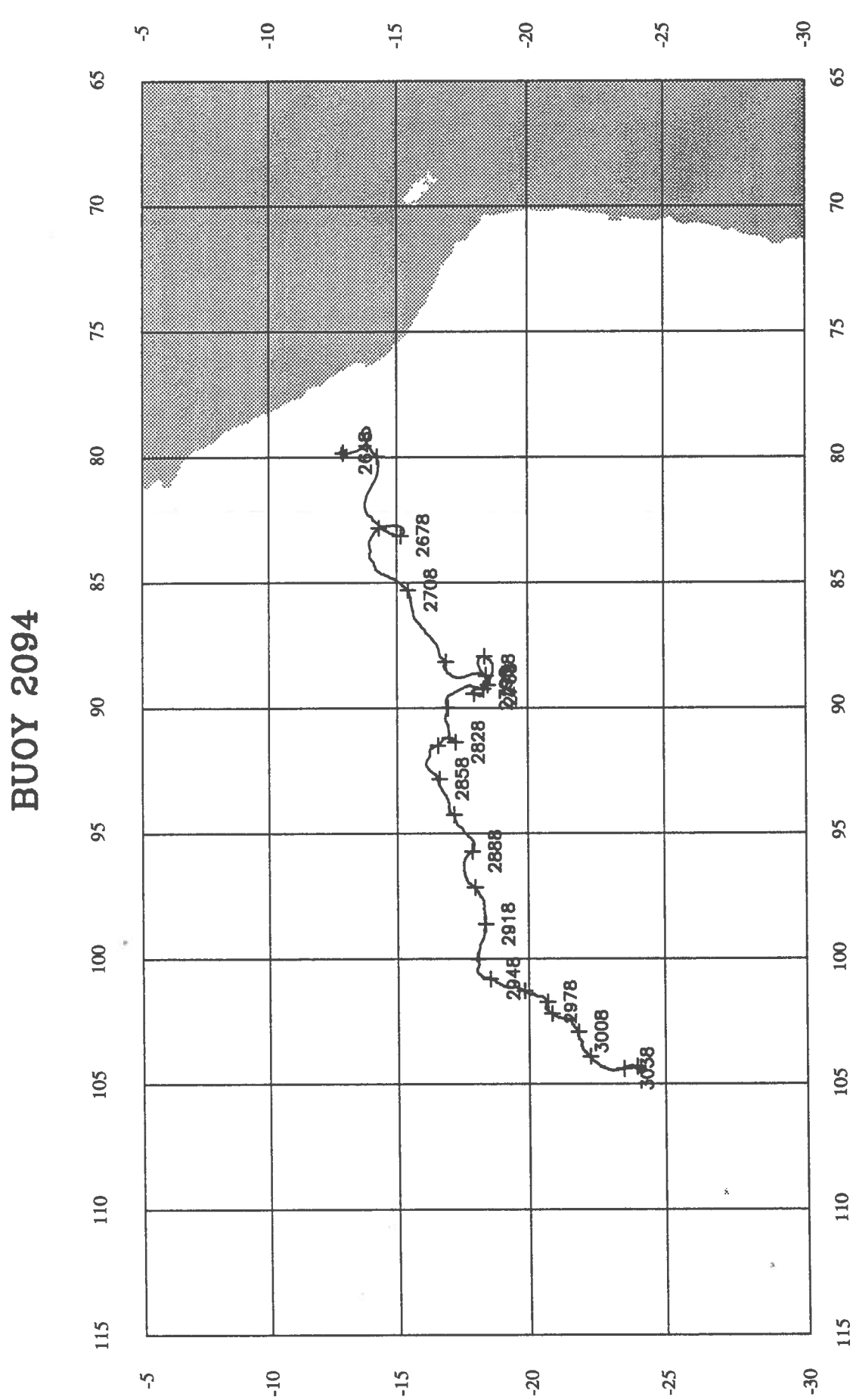
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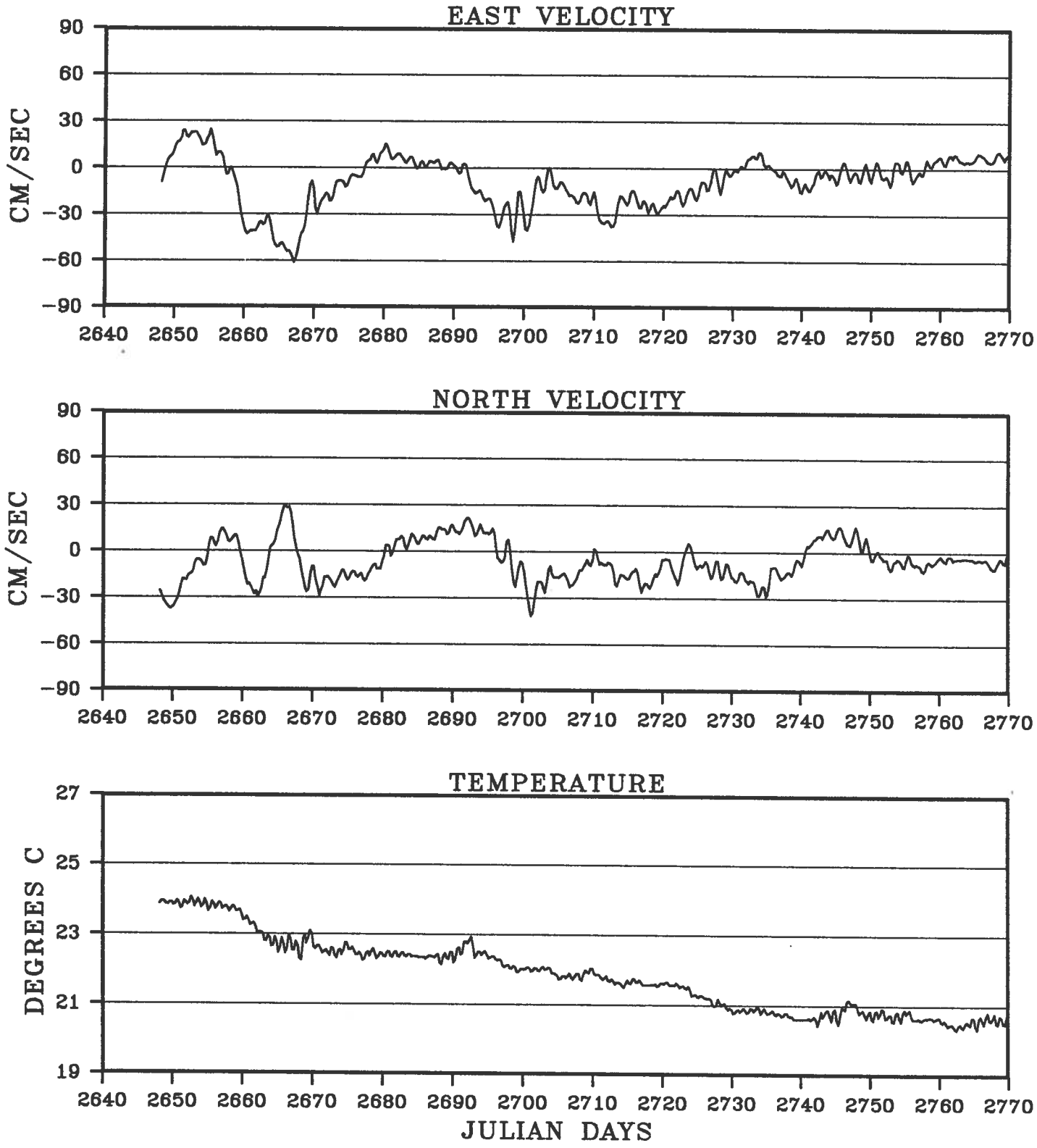
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TEMPERATURE
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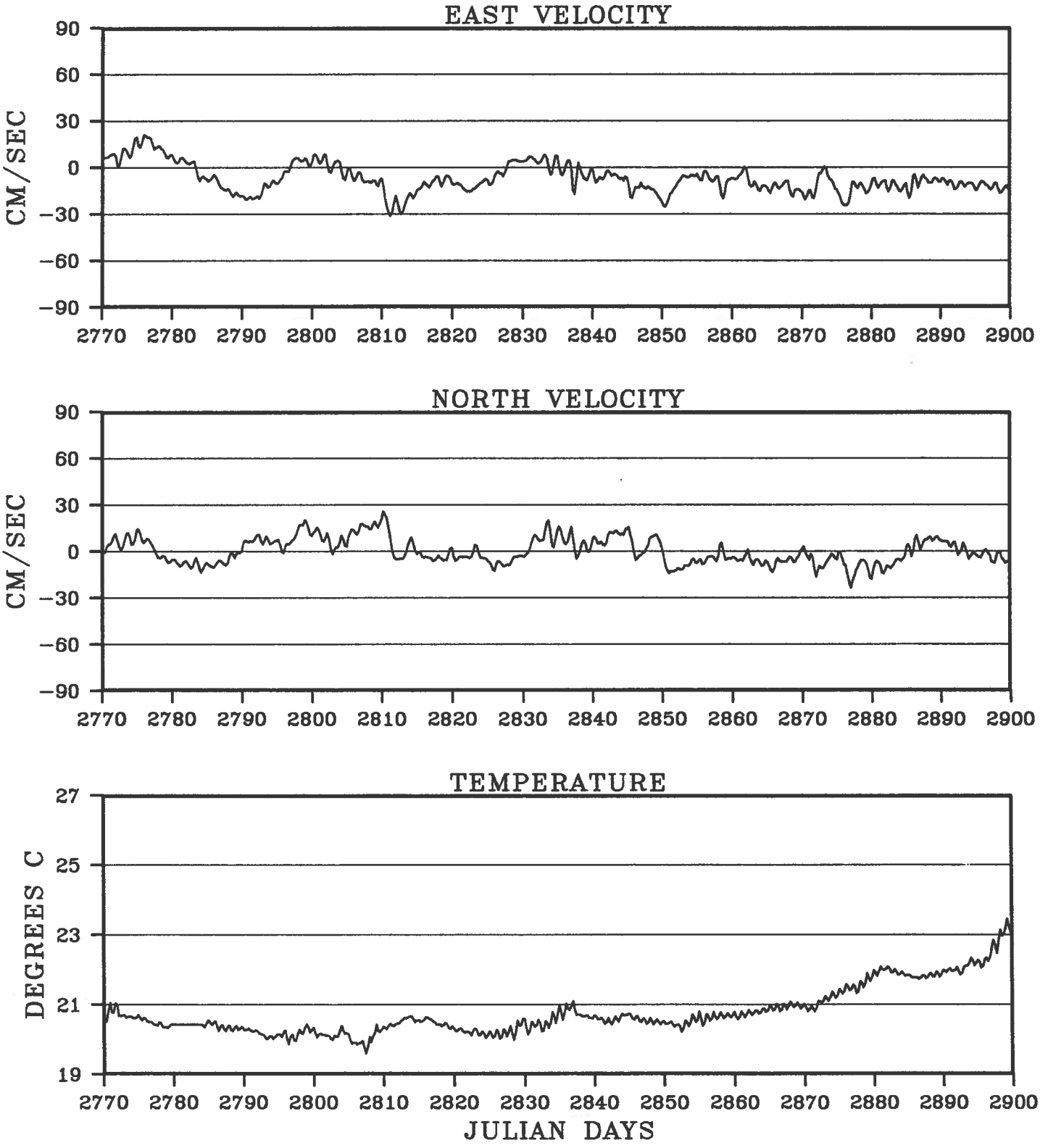
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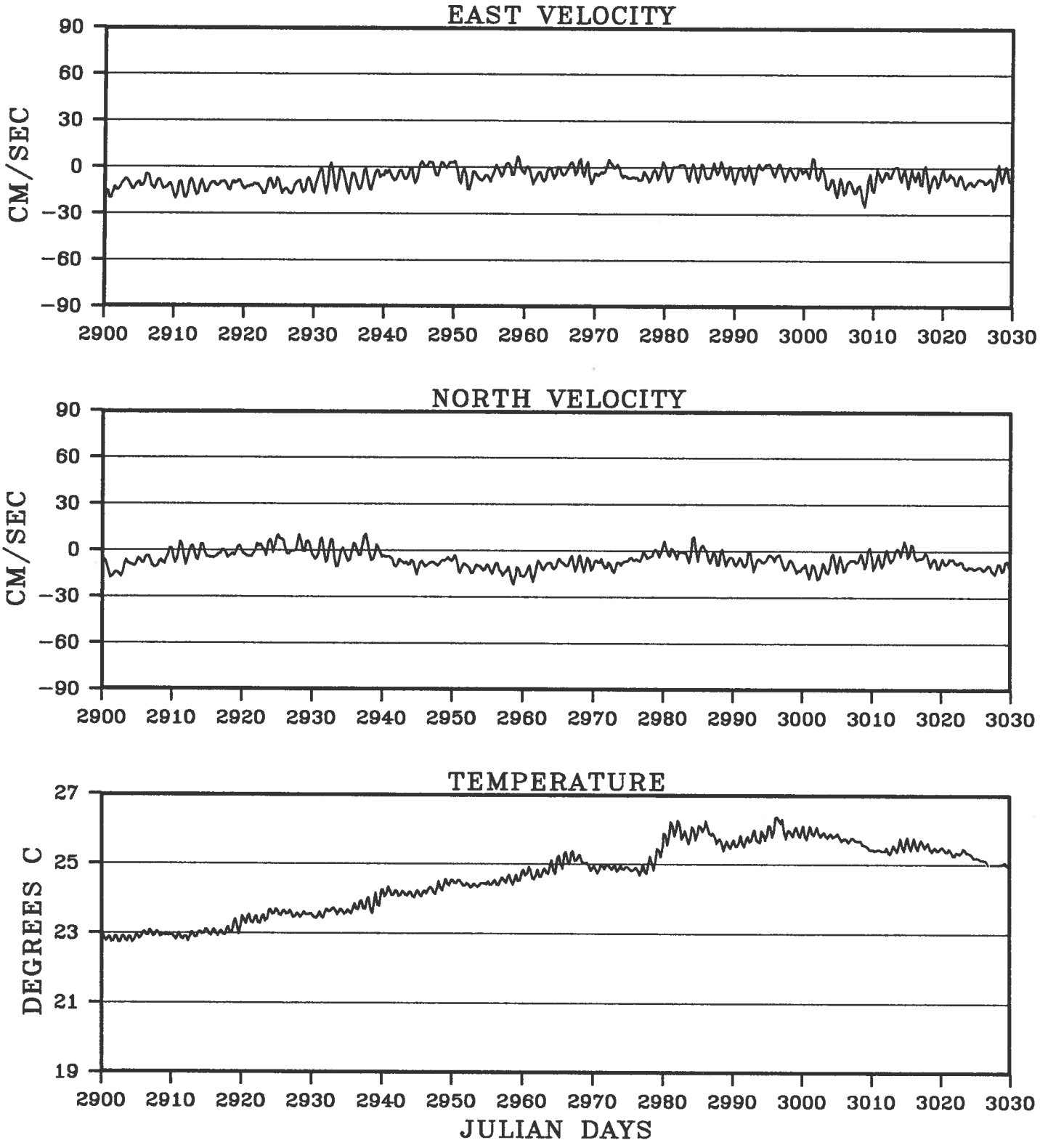
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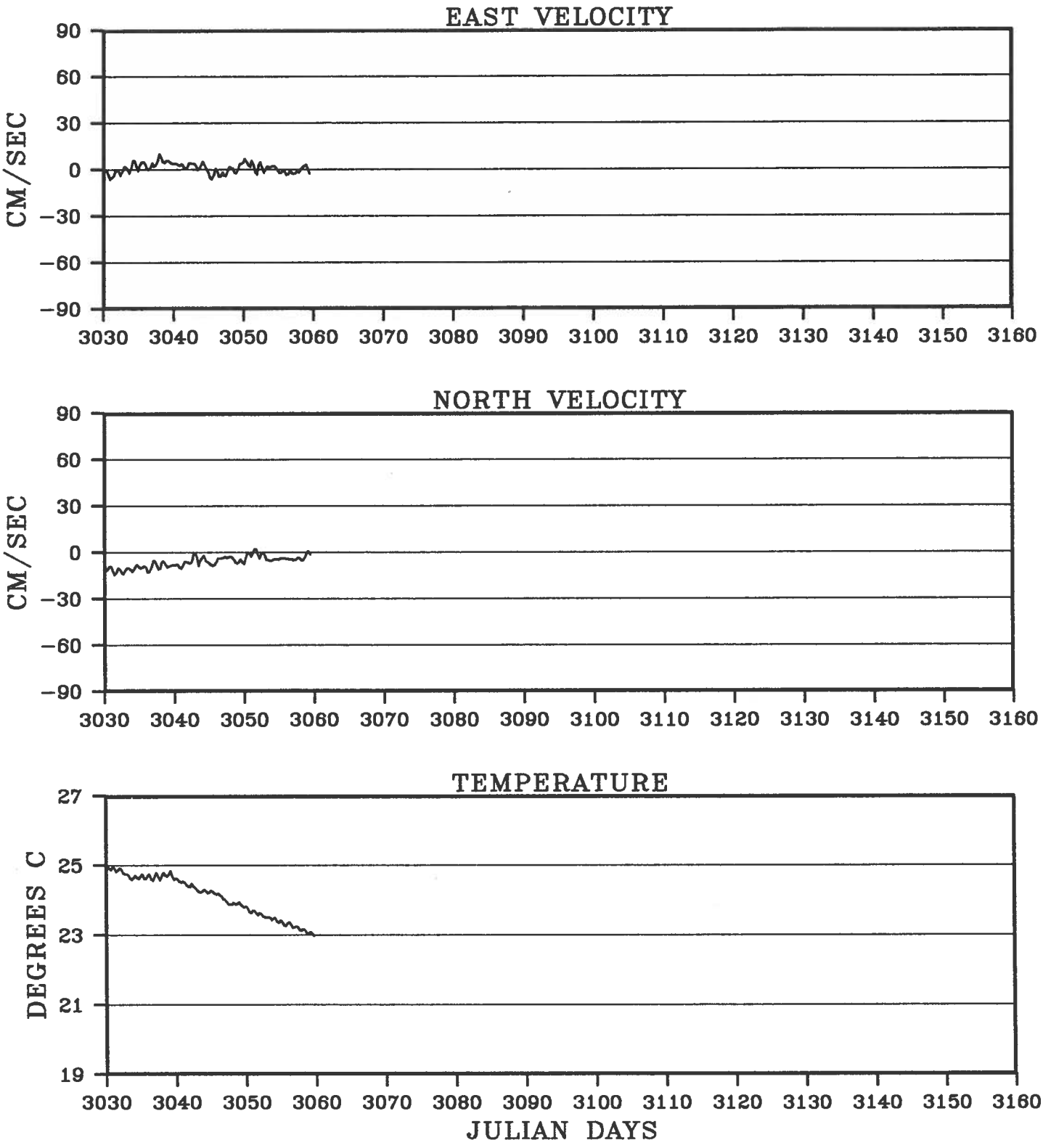
JULIAN DAYS

BUOY 2094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CM/SEC
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NORTH VELOCITY
CM/SEC
90
60
30
0
−30
−60
−90
3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160
TEMPERATURE
DEGREES C
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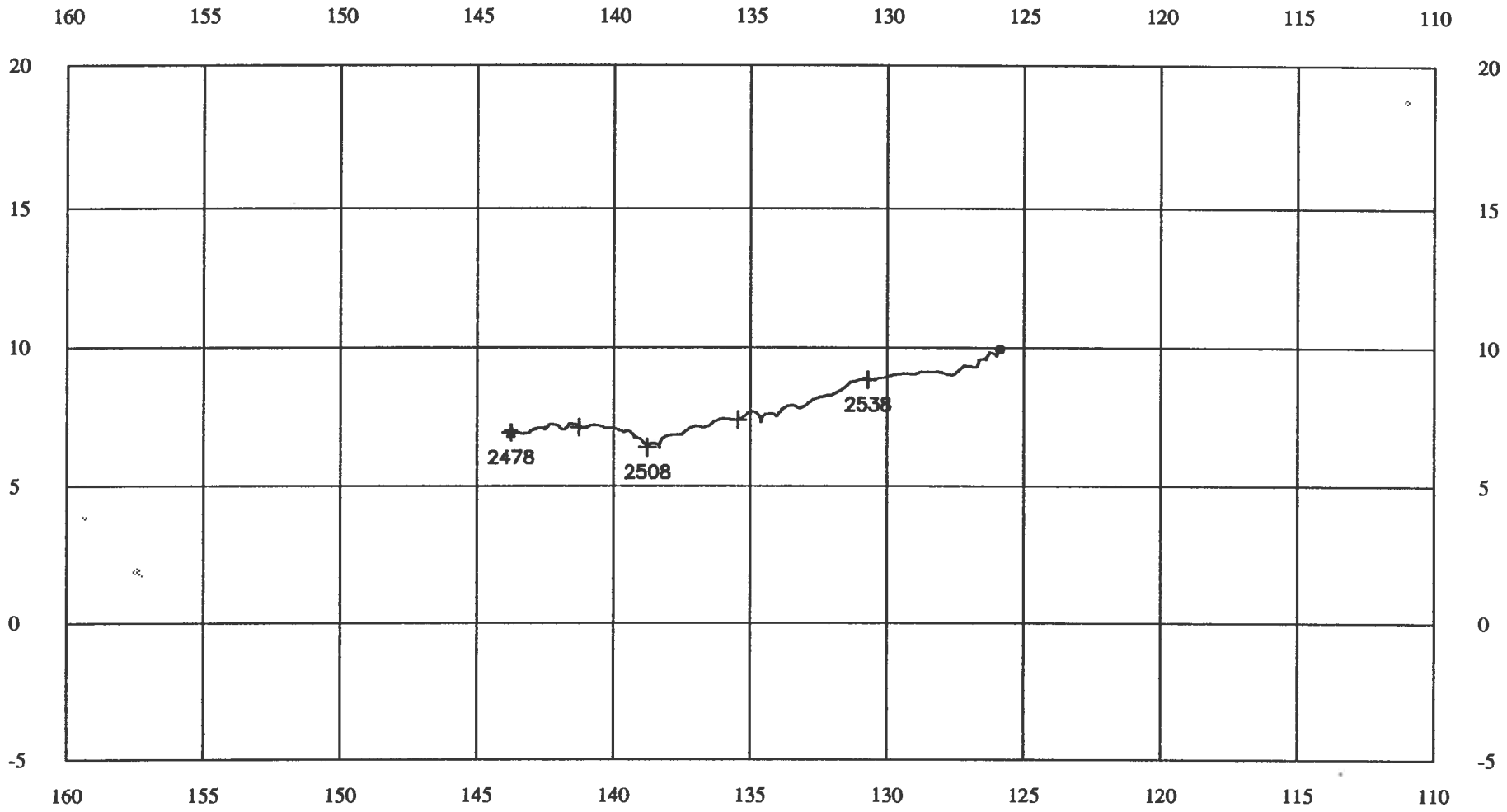
JULIAN DAYS

BUOY 2095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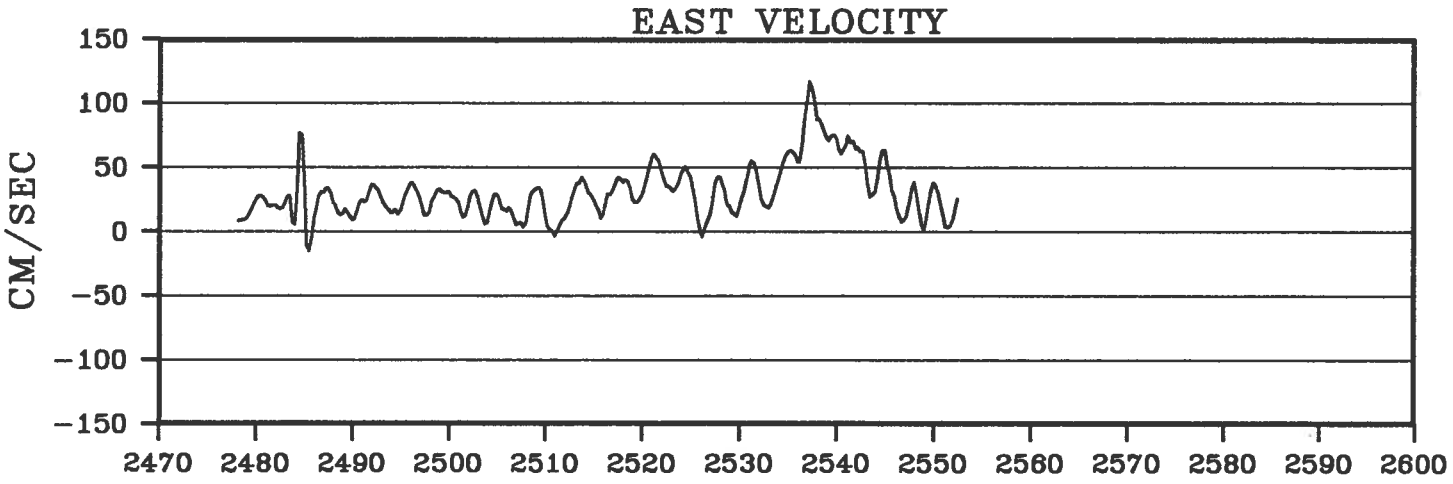
BUOY 2095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CM/SEC
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-150
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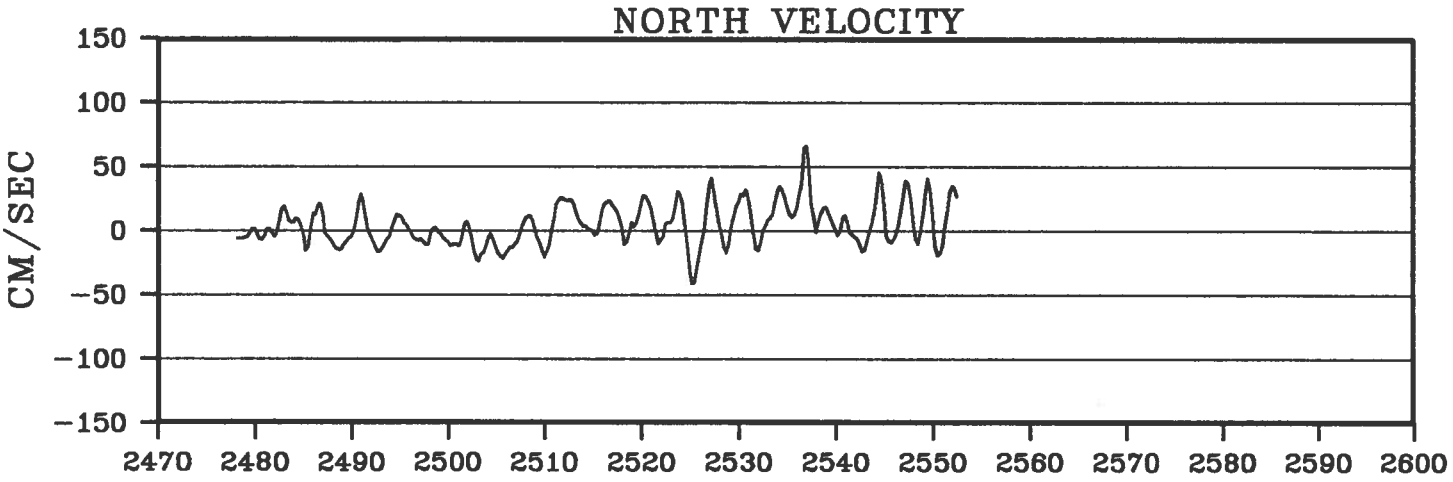
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CM/SEC
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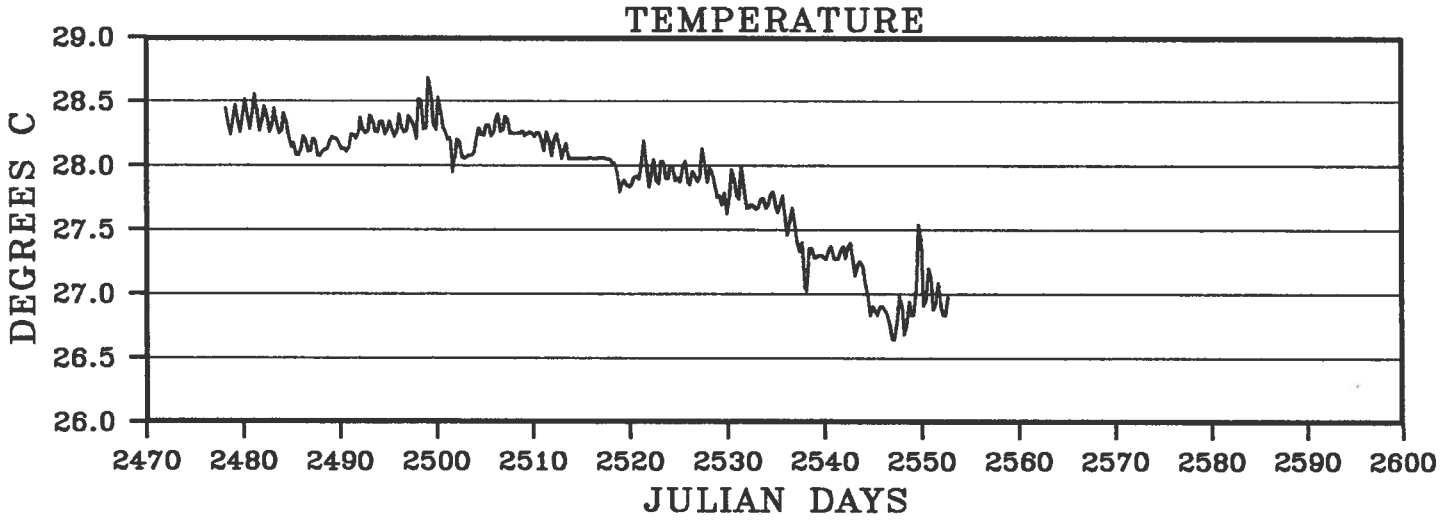
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DEGREES C
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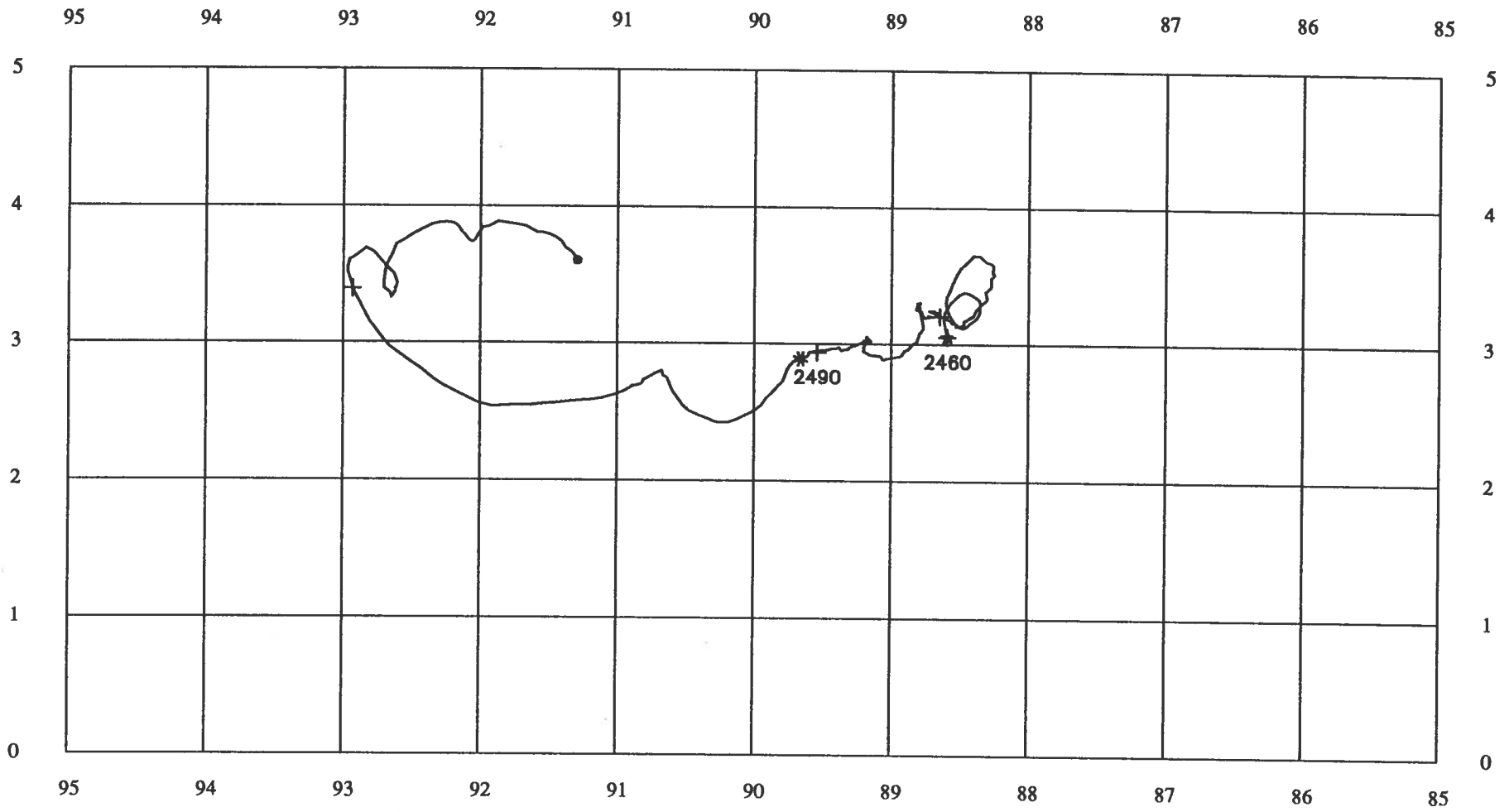
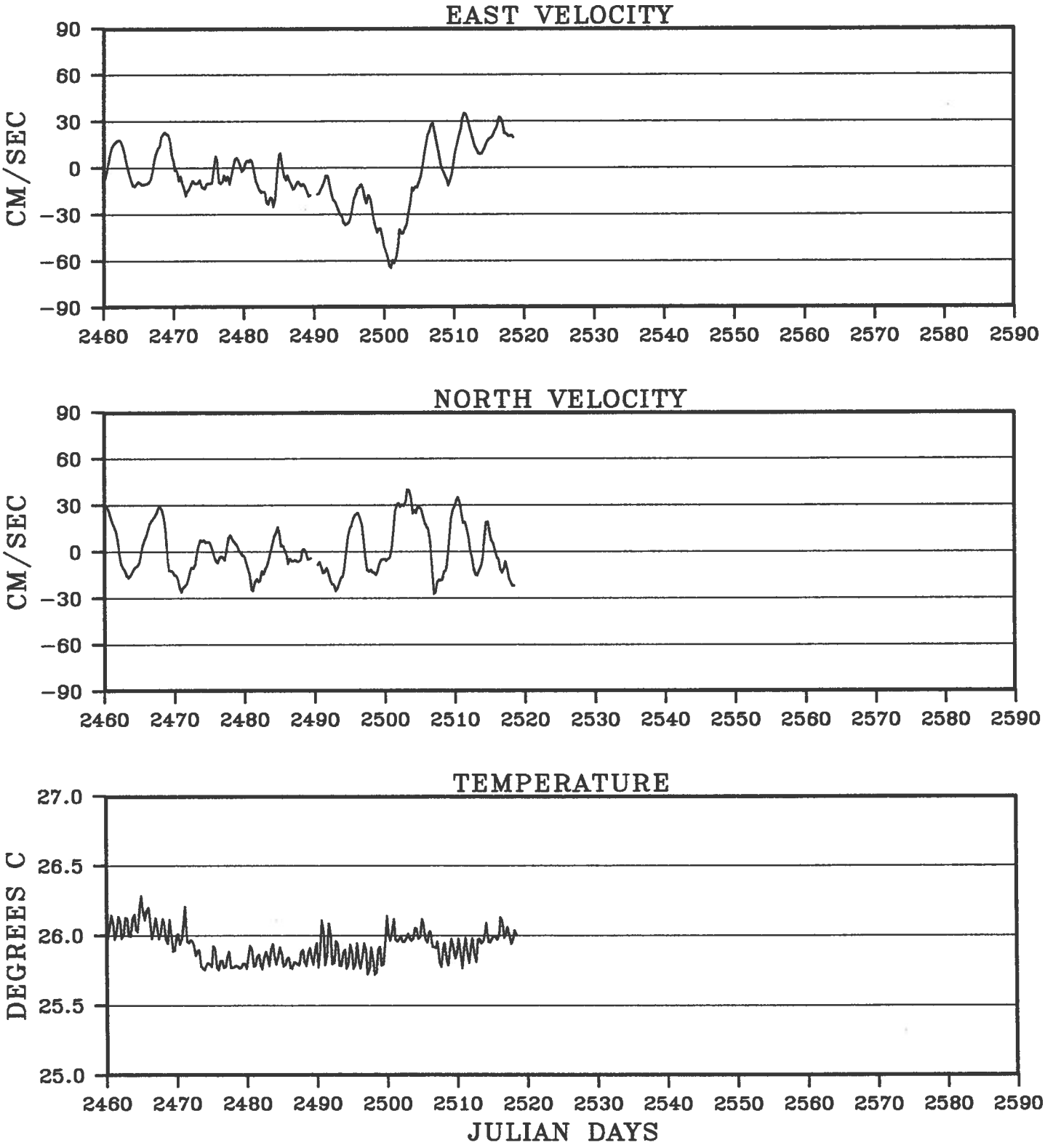
JULIAN DAYS

BUOY 2096



BUOY 2096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2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590
TEMPERATURE
DEGREES C
27.0
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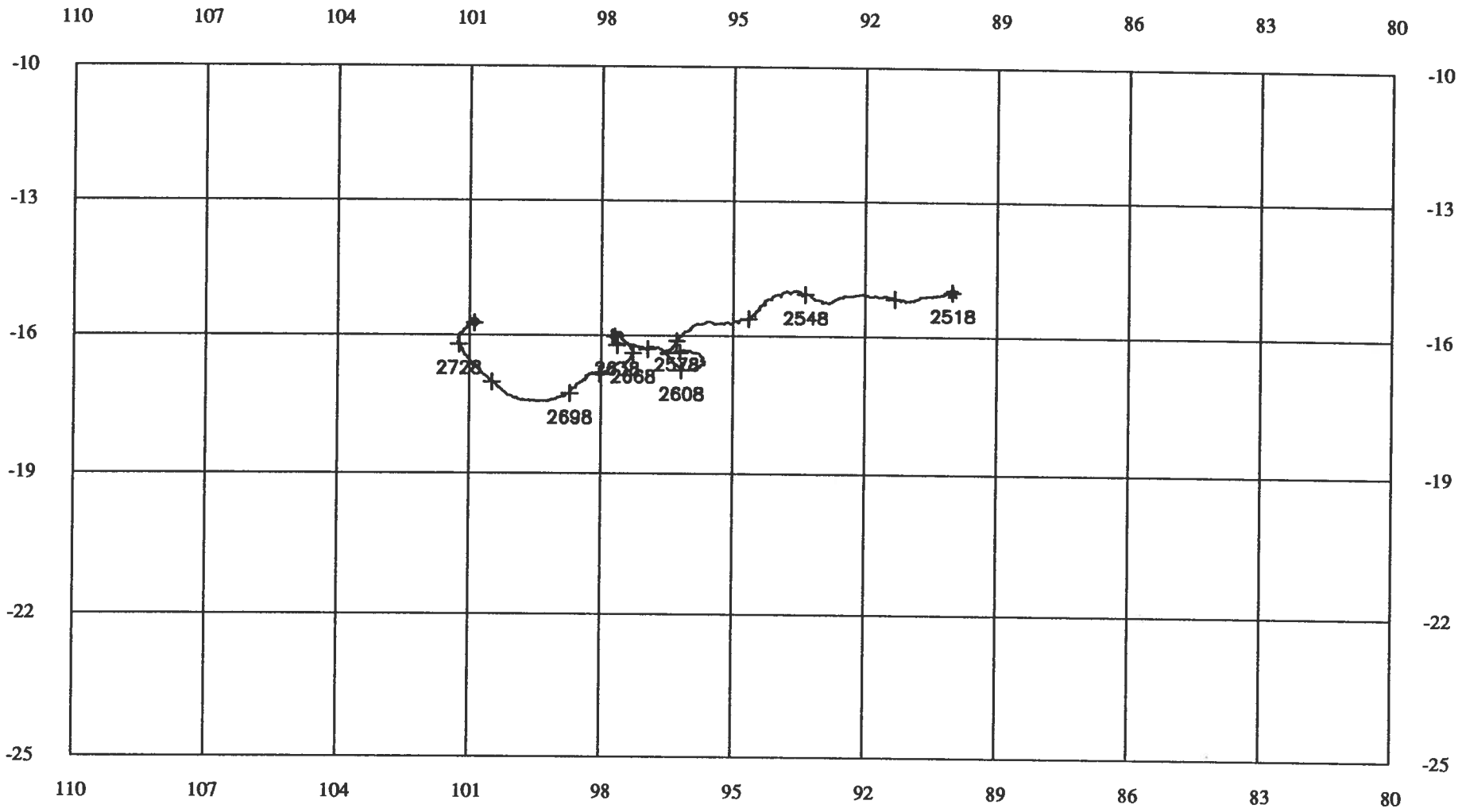
JULIAN DAYS

BUOY 2097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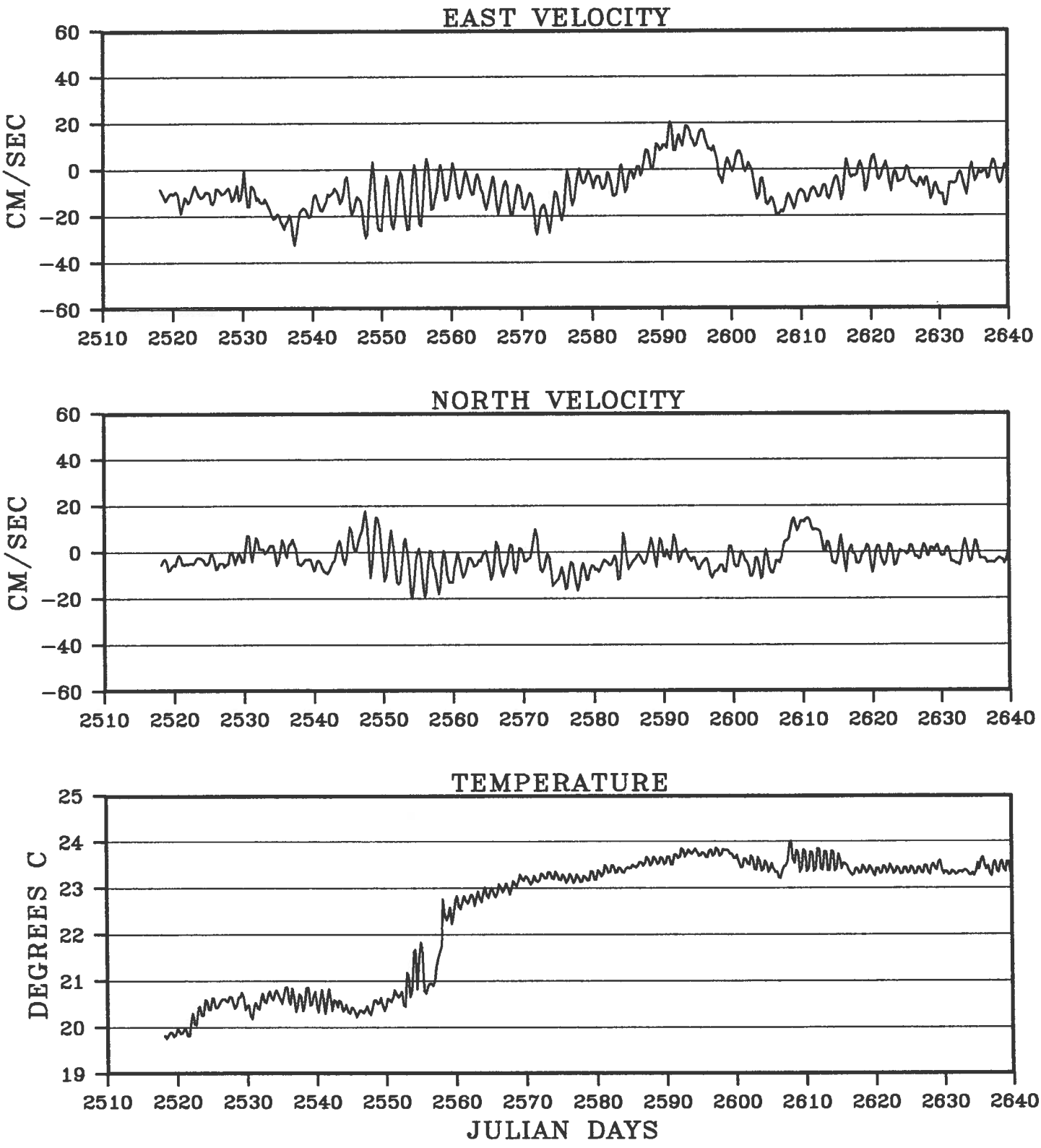
BUOY 2097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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
-60
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640
TEMPERATURE
DEGREES C
25
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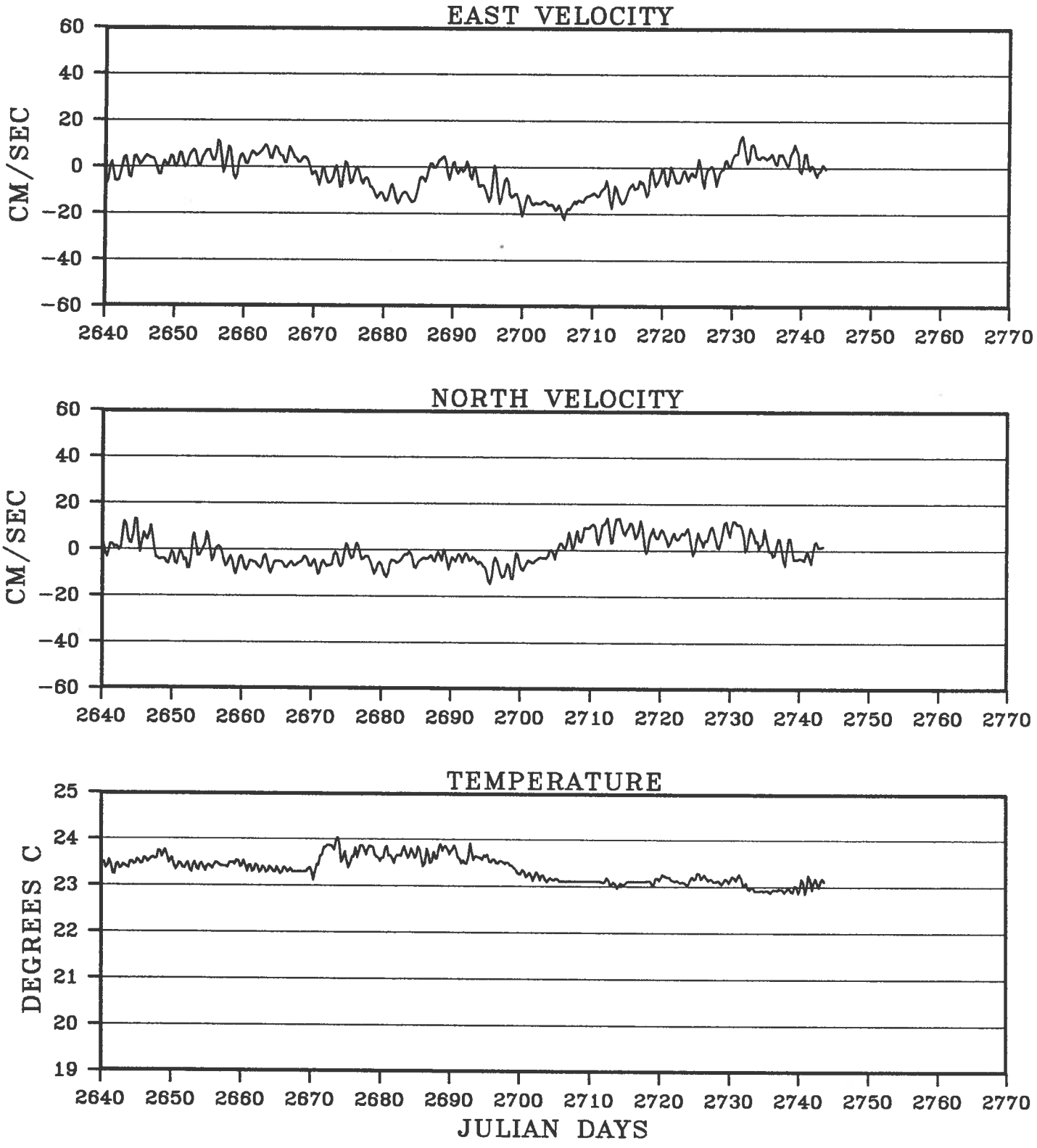
JULIAN DAYS

BUOY 2097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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
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2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770
TEMPERATURE
DEGREES C
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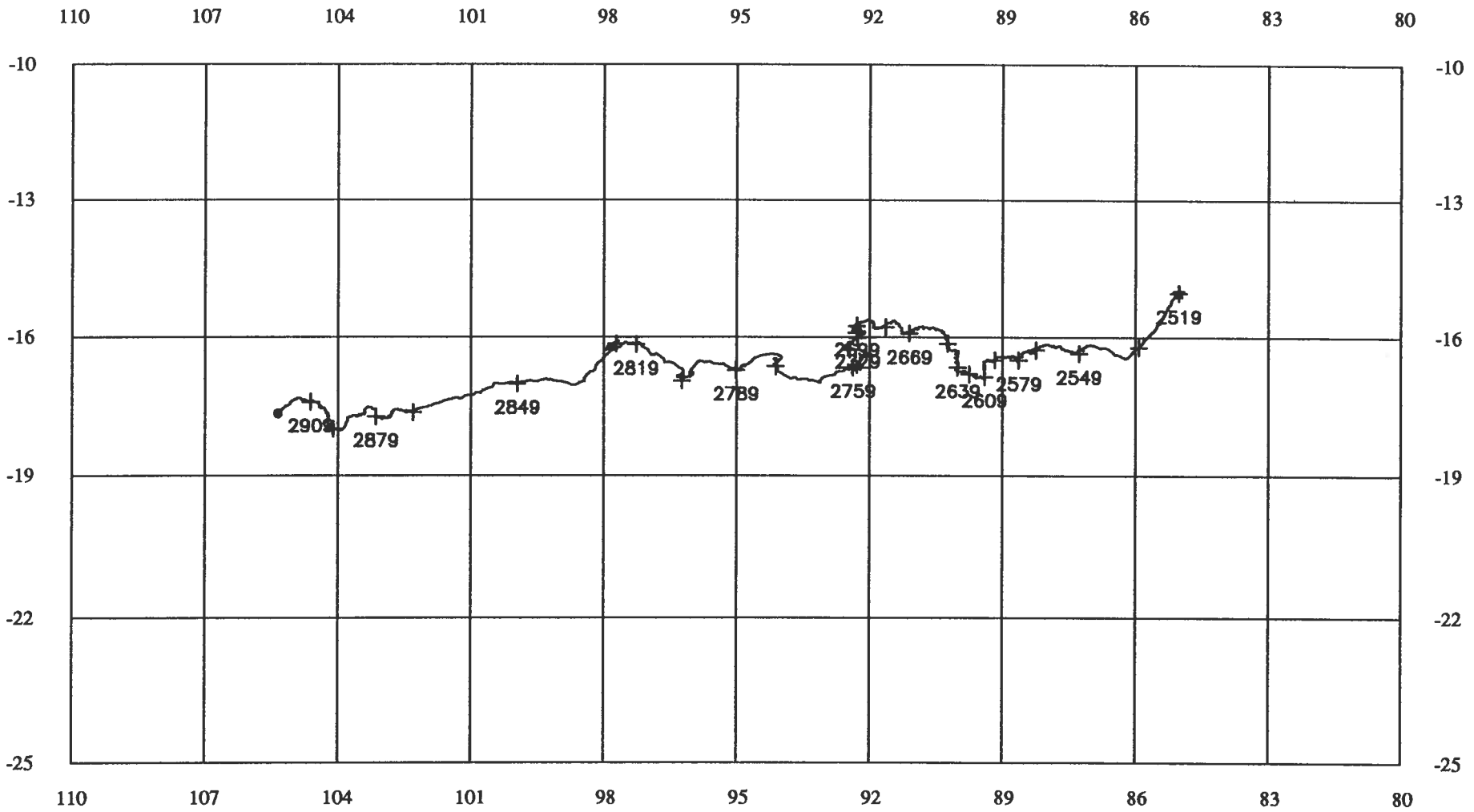
JULIAN DAYS

BUOY 2098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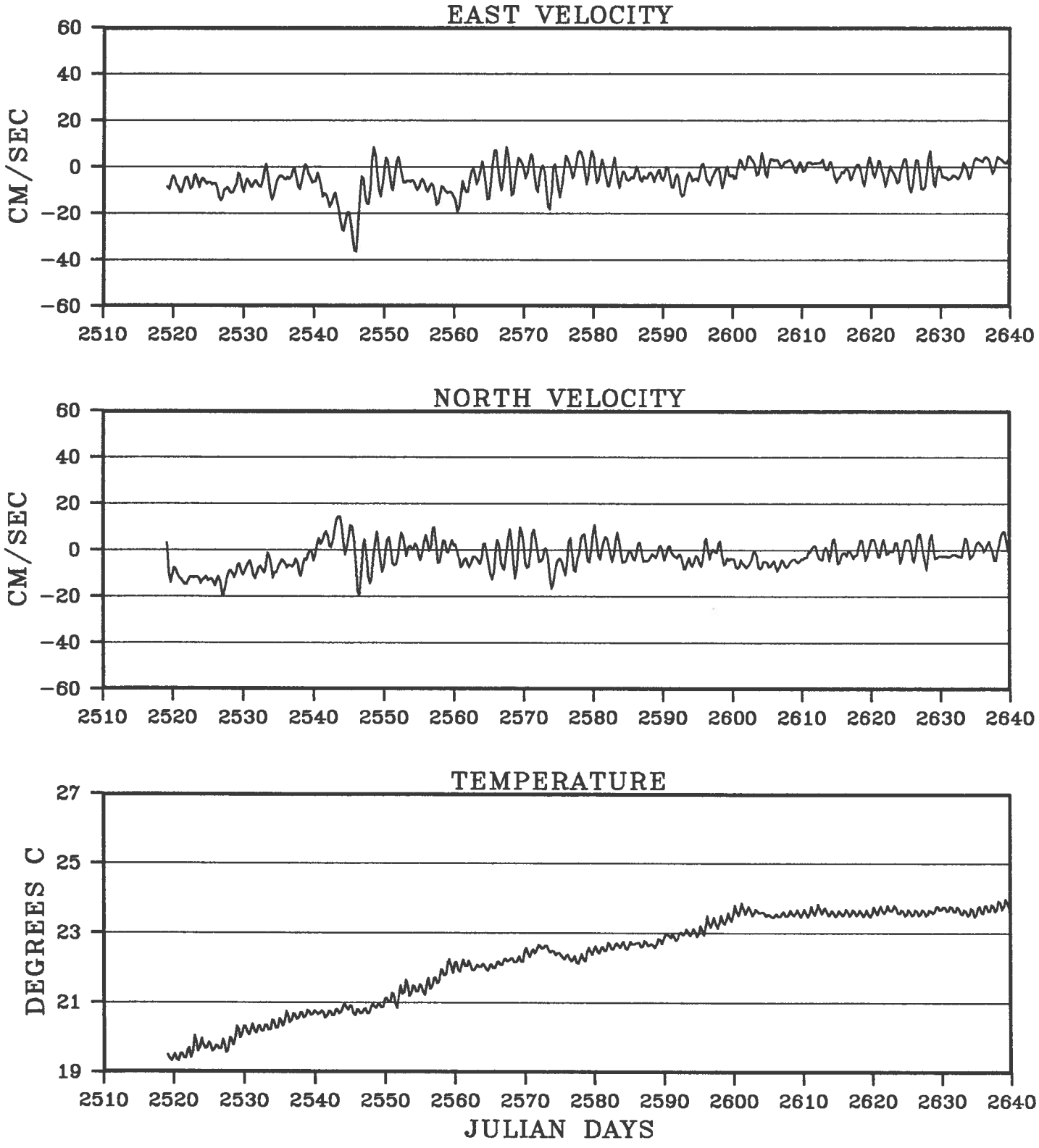
BUOY 2098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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
-60
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640
TEMPERATURE
DEGREES C
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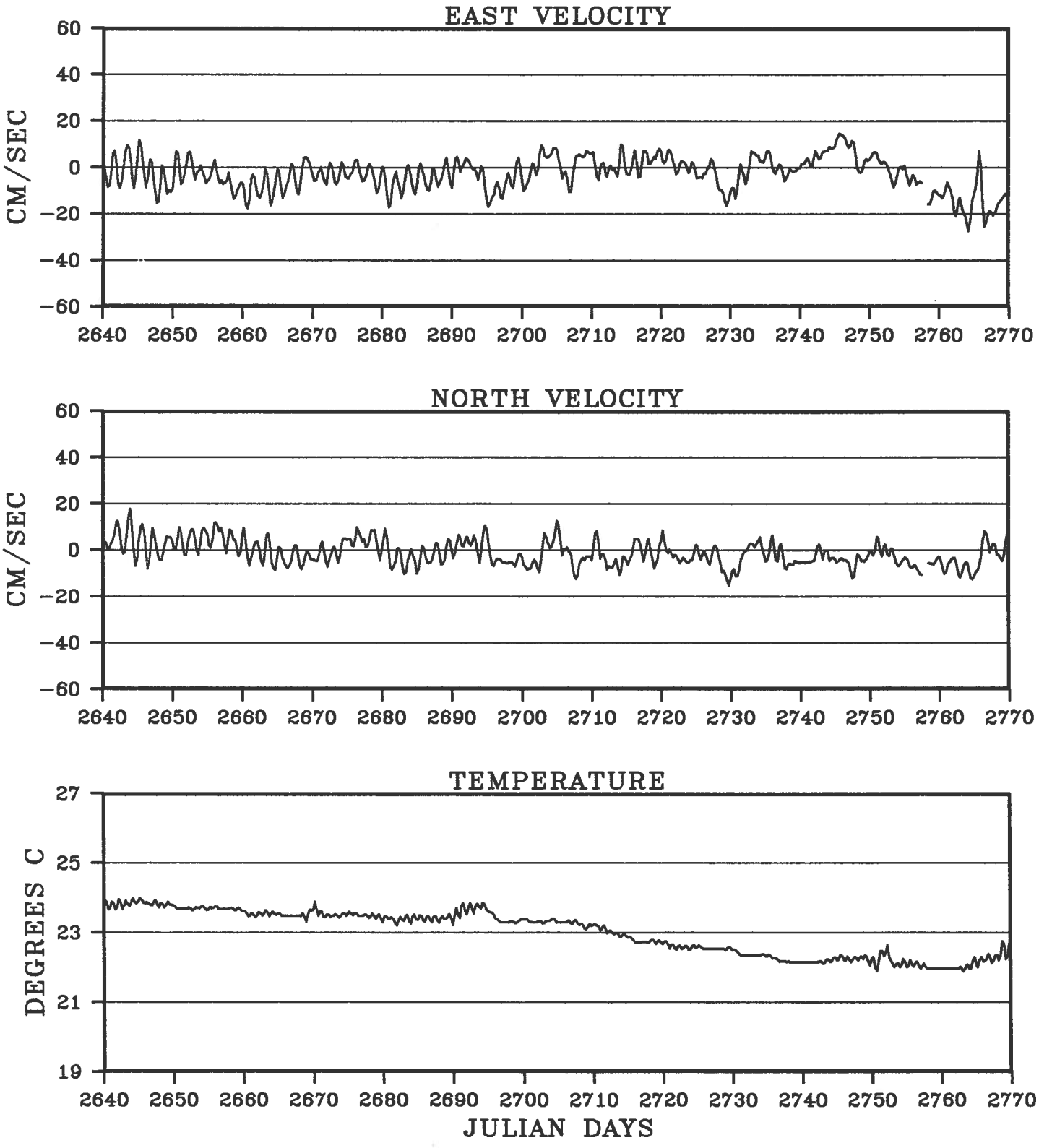
JULIAN DAYS

BUOY 2098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CM/SEC
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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
-60
2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770
TEMPERATURE
DEGREES C
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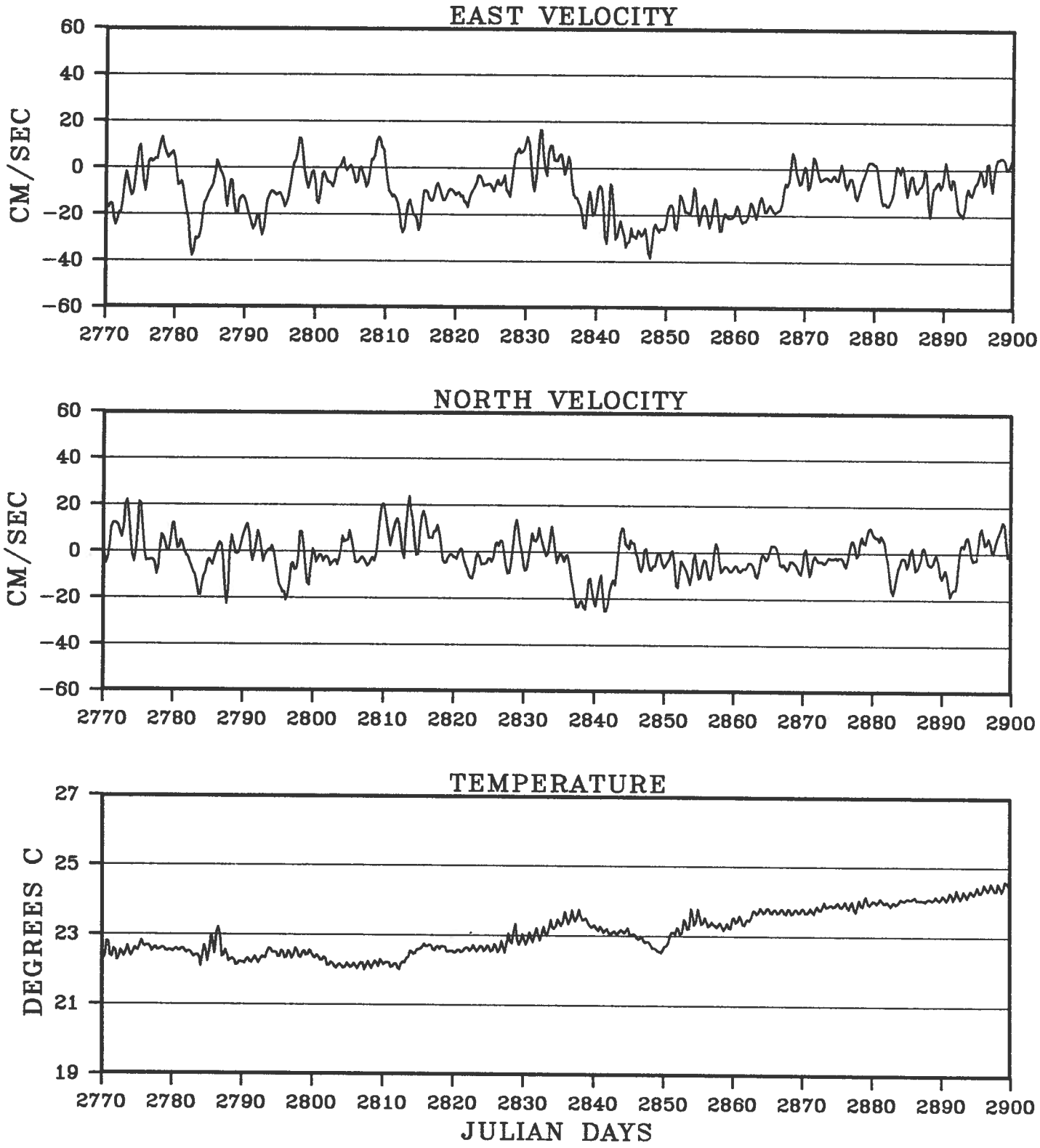
JULIAN DAYS

BUOY 2098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NORTH VELOCITY
CM/SEC
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20
0
-20
-40
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2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
TEMPERATURE
DEGREES C
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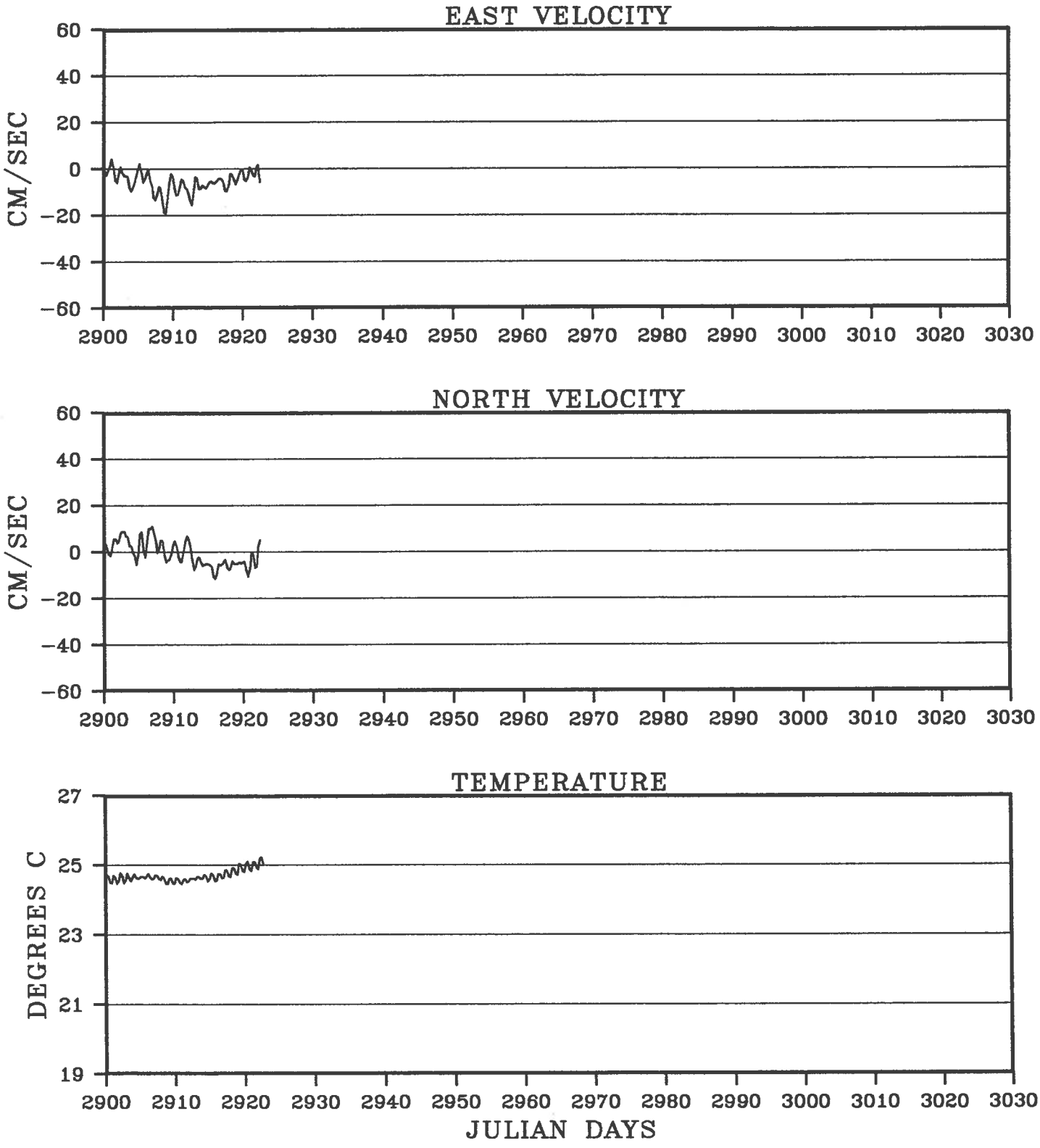
JULIAN DAYS

BUOY 2098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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
−20
−40
−60
2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030
TEMPERATURE
DEGREES C
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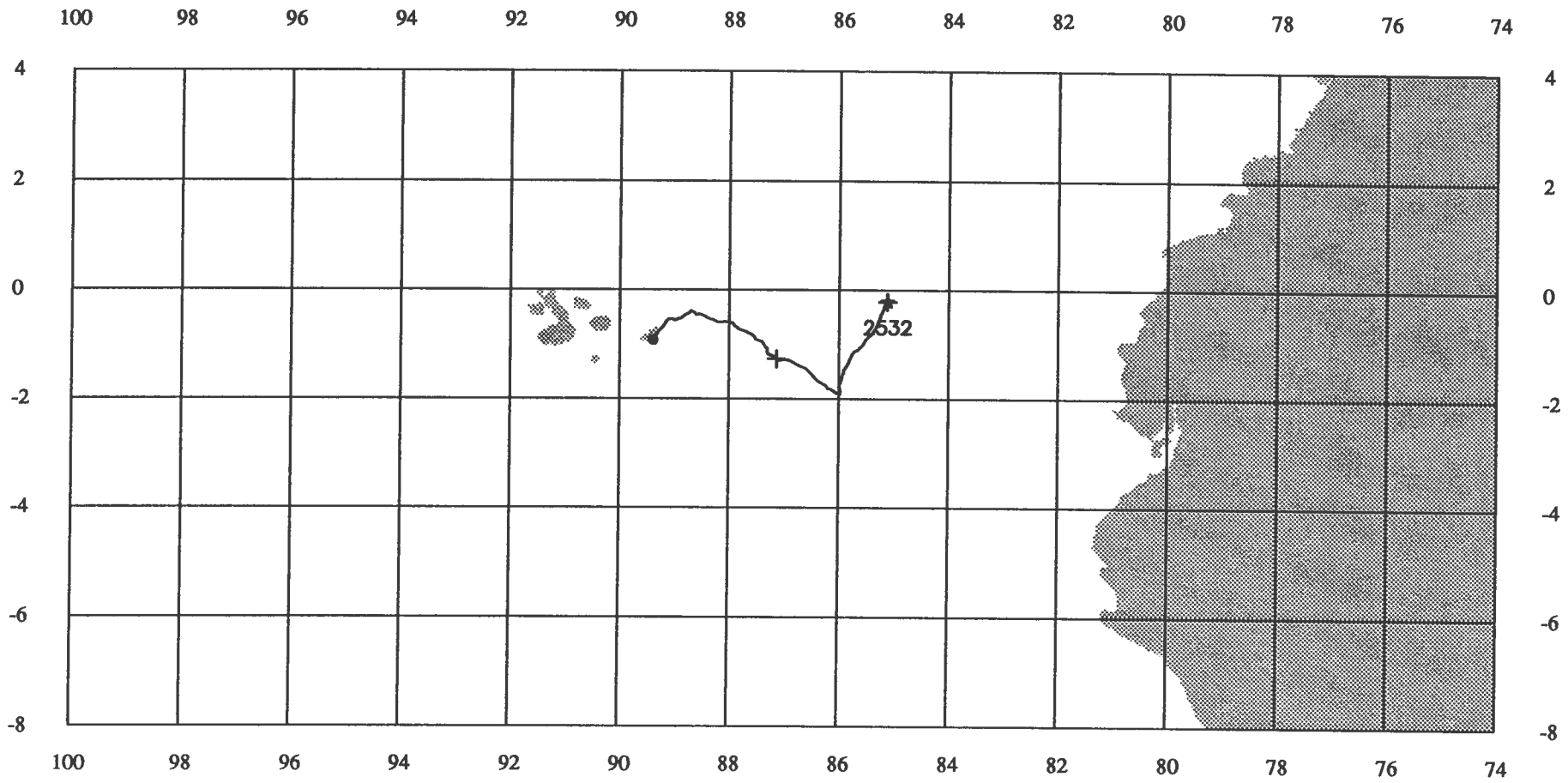
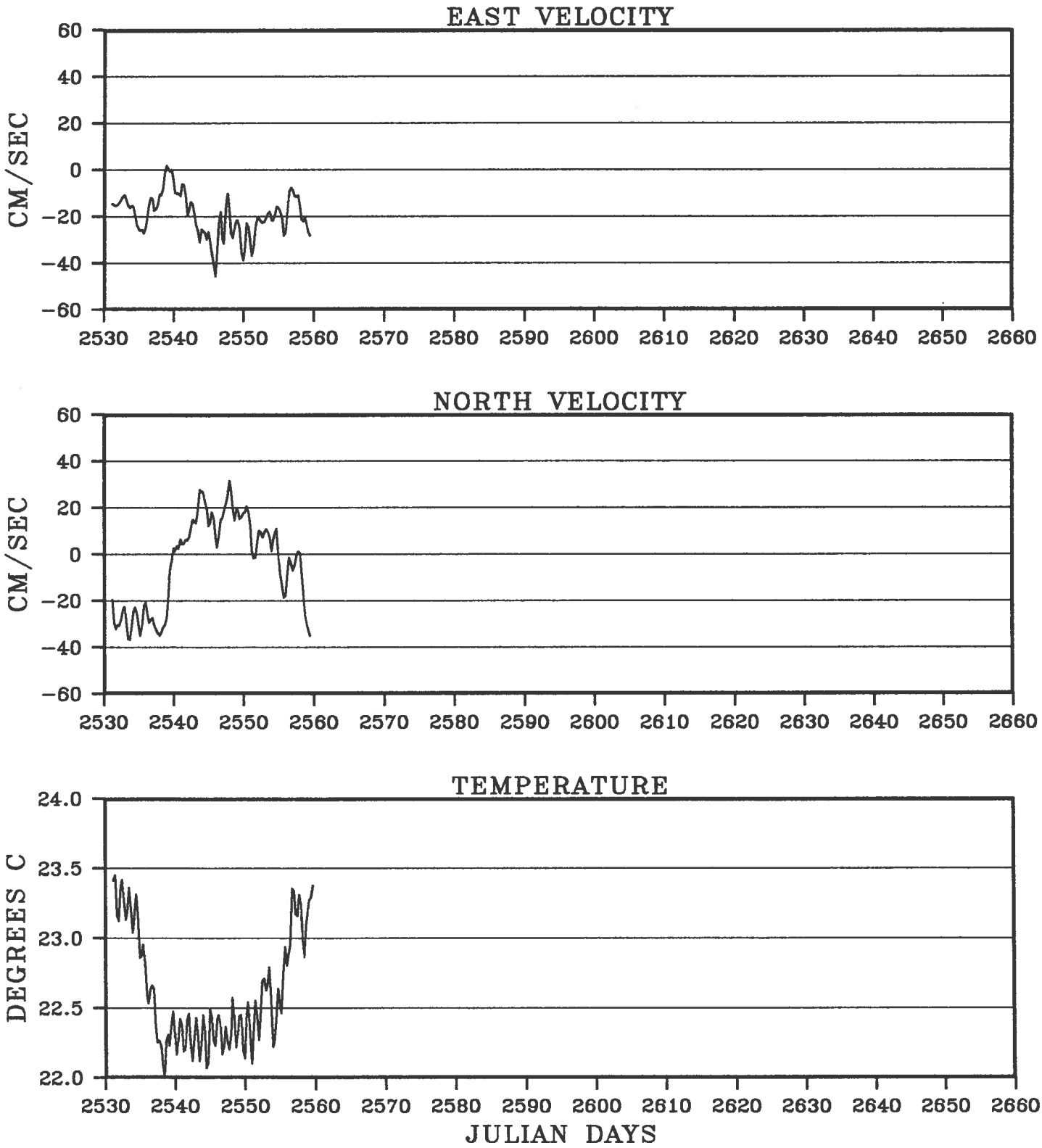
JULIAN DAYS

BUOY 2099



BUOY 2099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CM/SEC
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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
-60
2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640 2650 2660
TEMPERATURE
DEGREES C
24.0
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22.0
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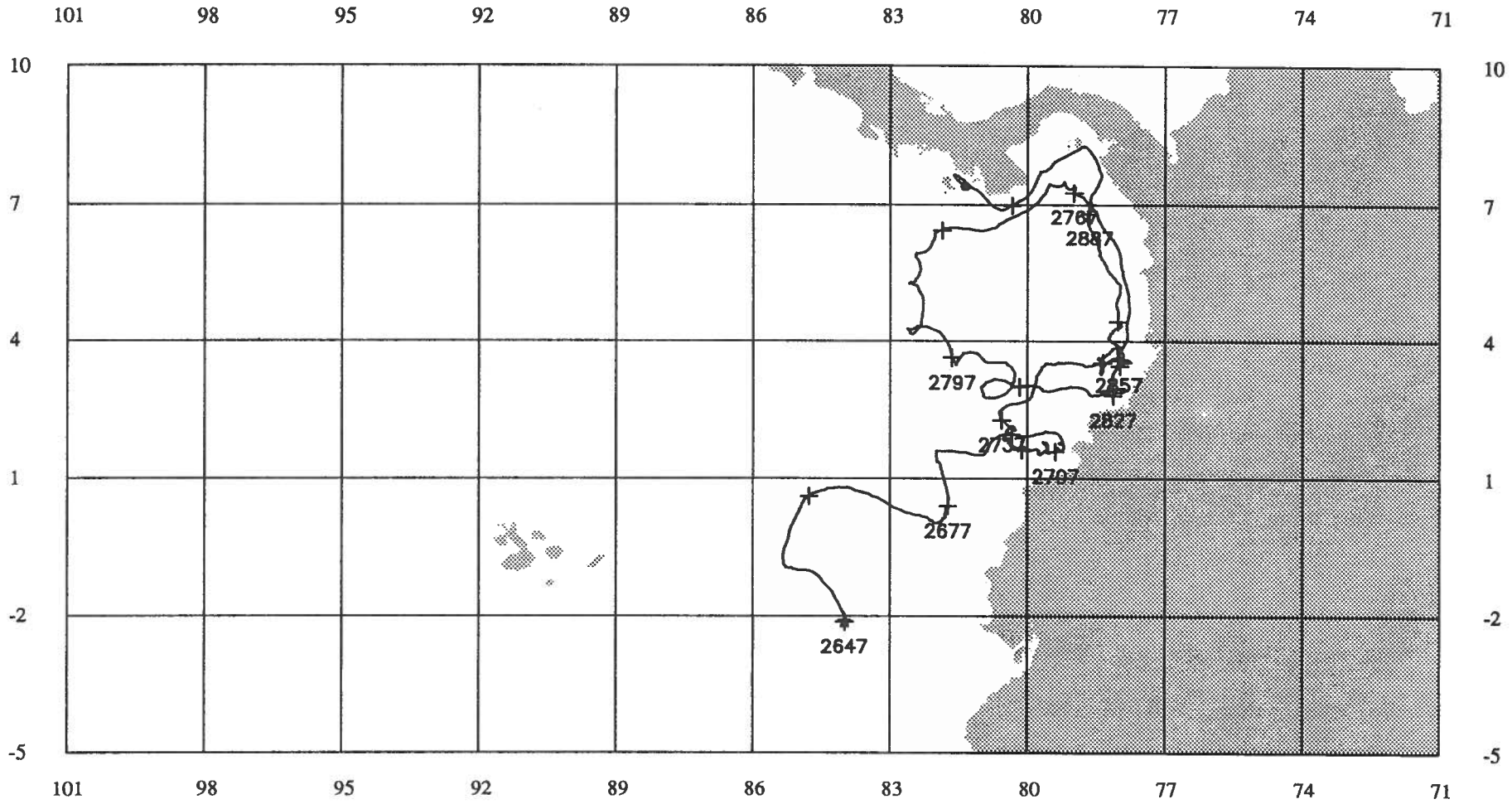
JULIAN DAYS

BUOY 2243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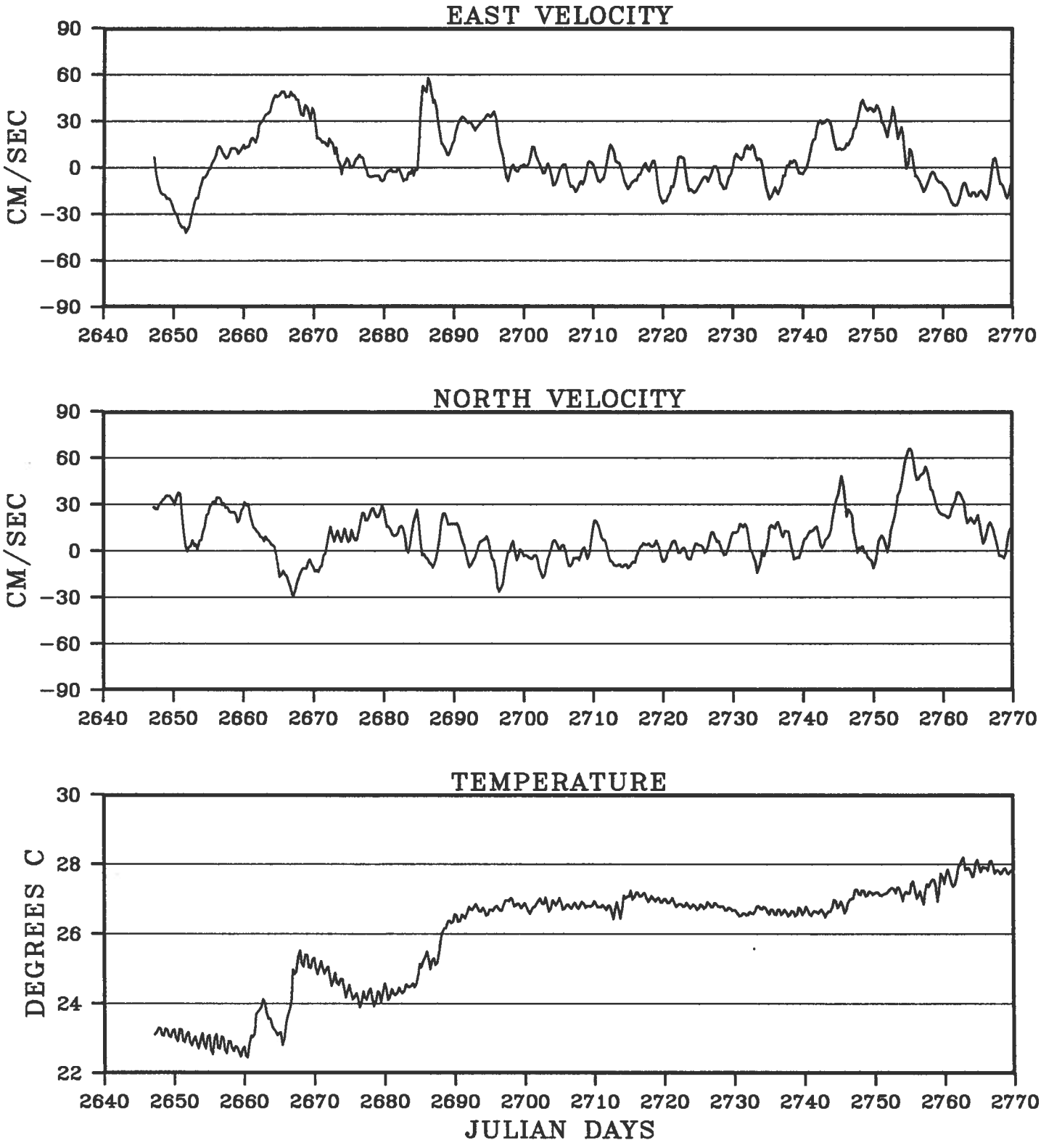
BUOY 2243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NORTH VELOCITY
CM/SEC
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-30
-60
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2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770
TEMPERATURE
DEGREES C
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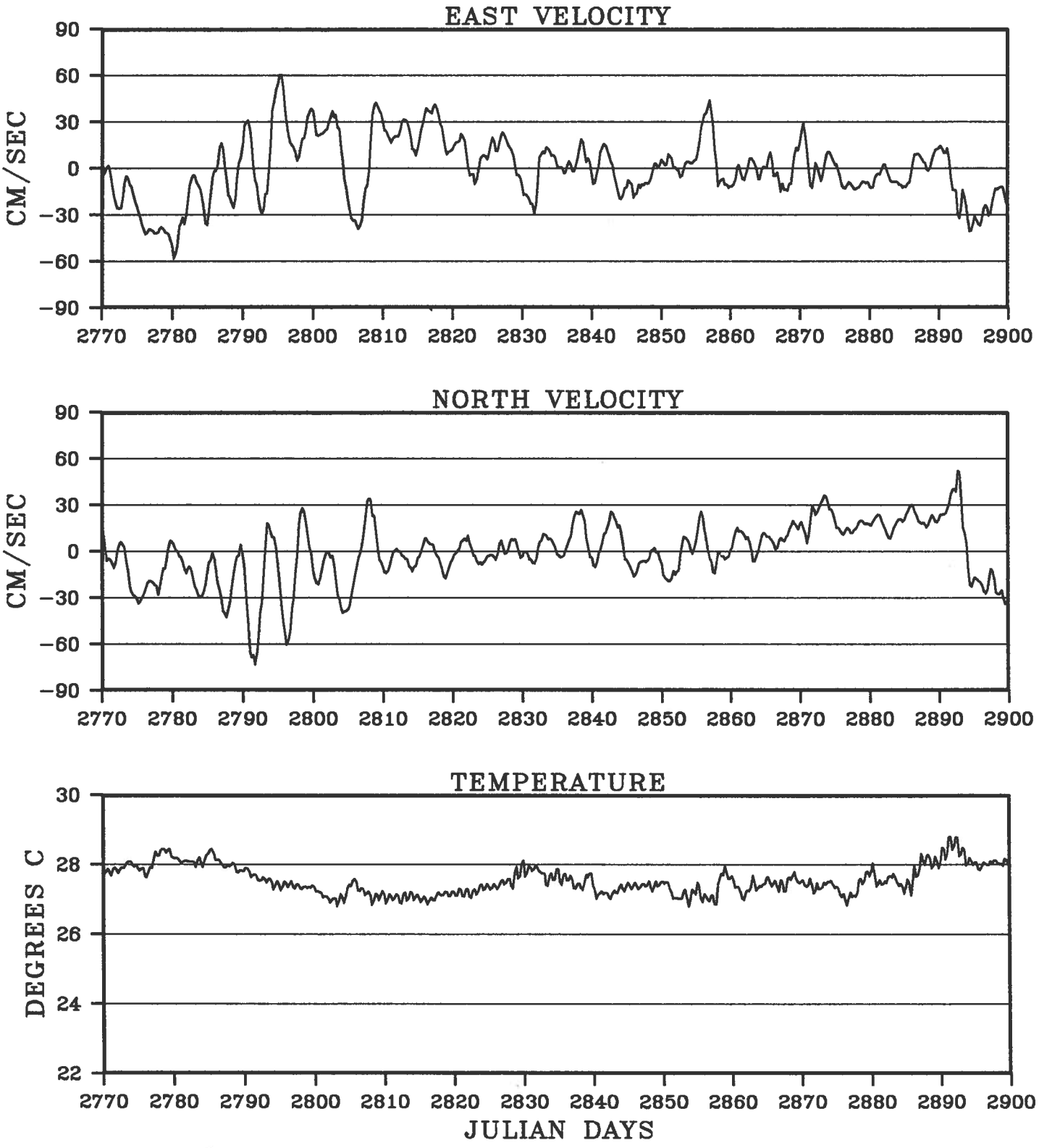
JULIAN DAYS

BUOY 2243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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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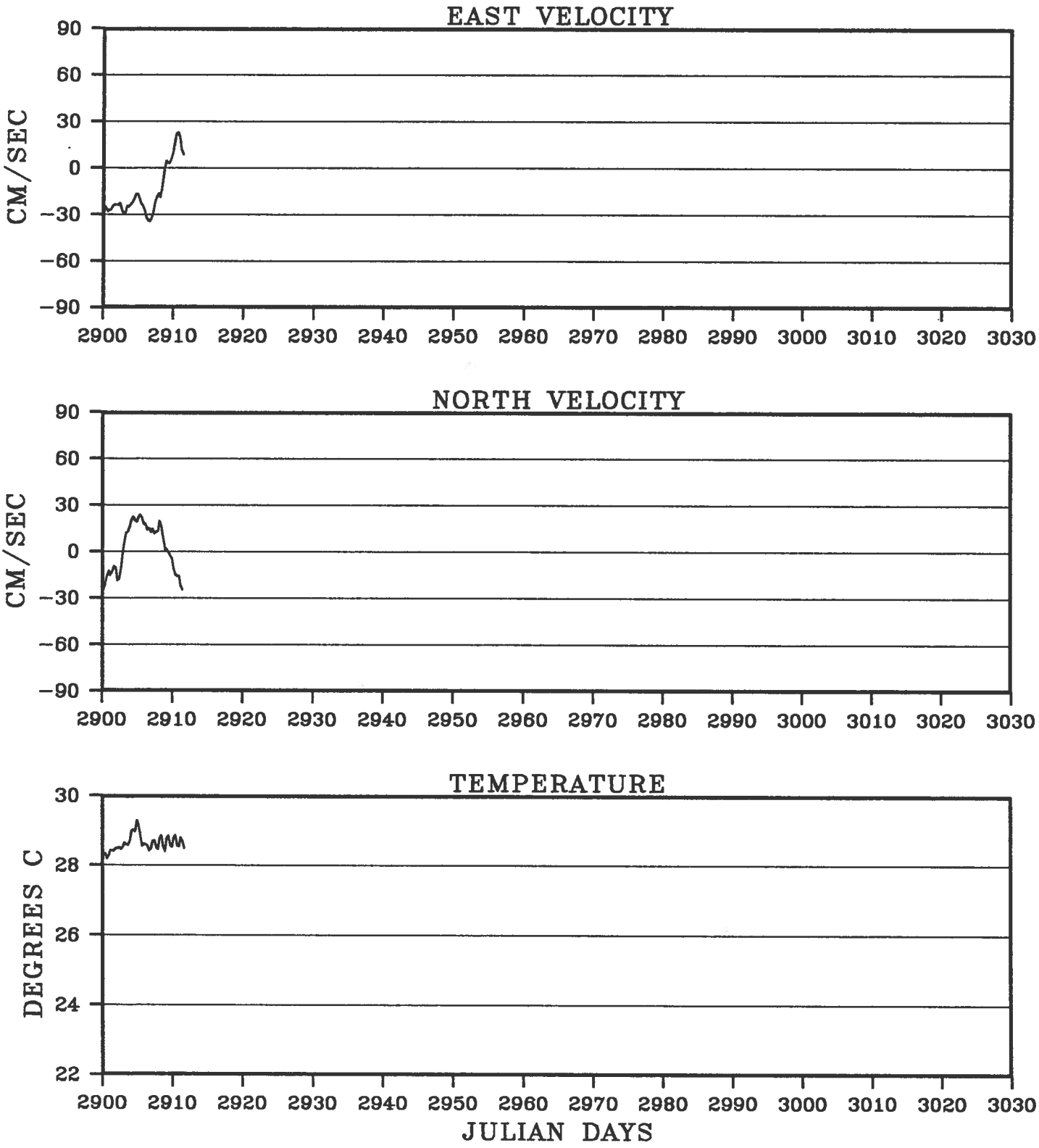
JULIAN DAYS

BUOY 2243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NORTH VELOCITY
CM/SEC
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2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030
TEMPERATURE
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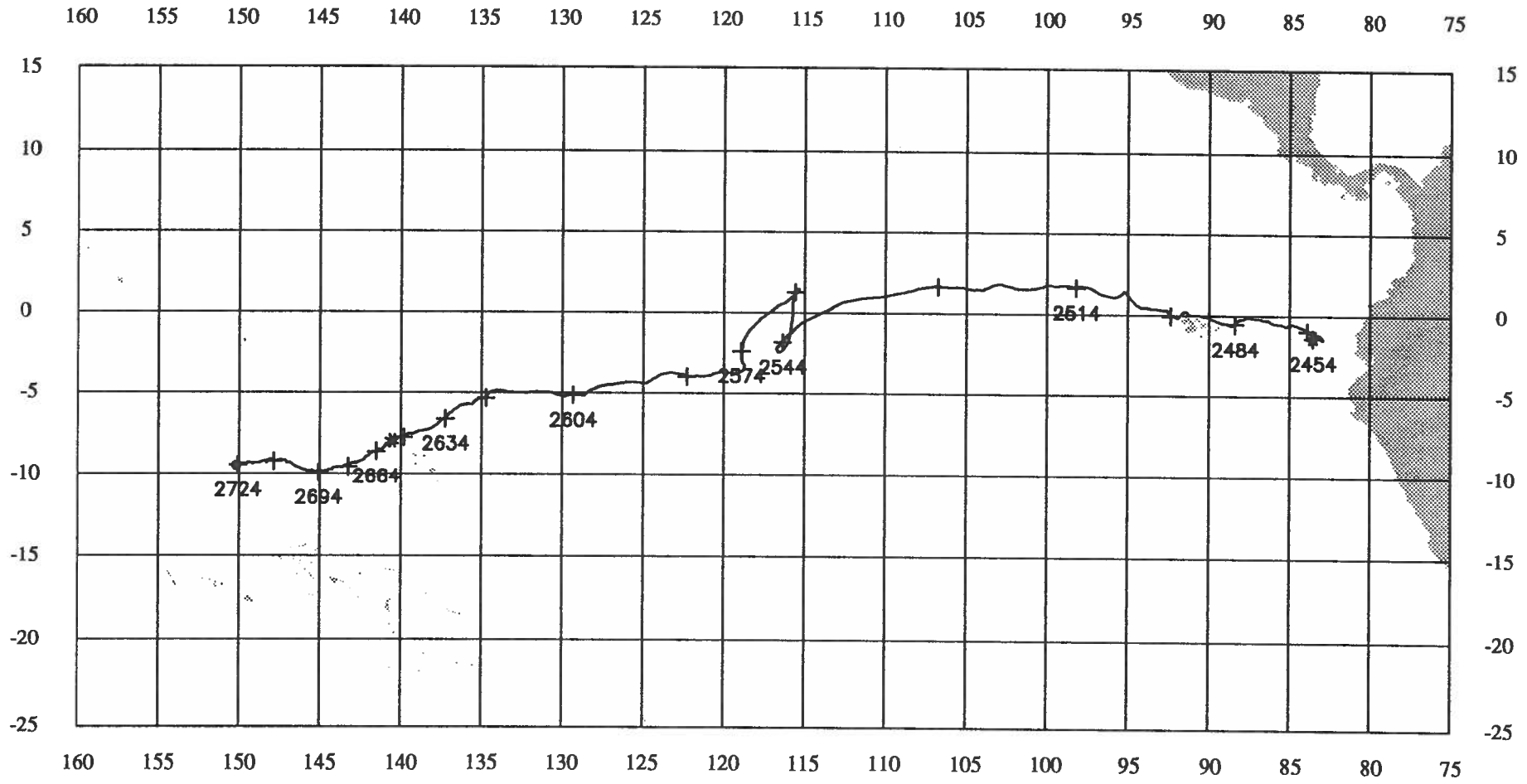
JULIAN DAYS

BUOY 2244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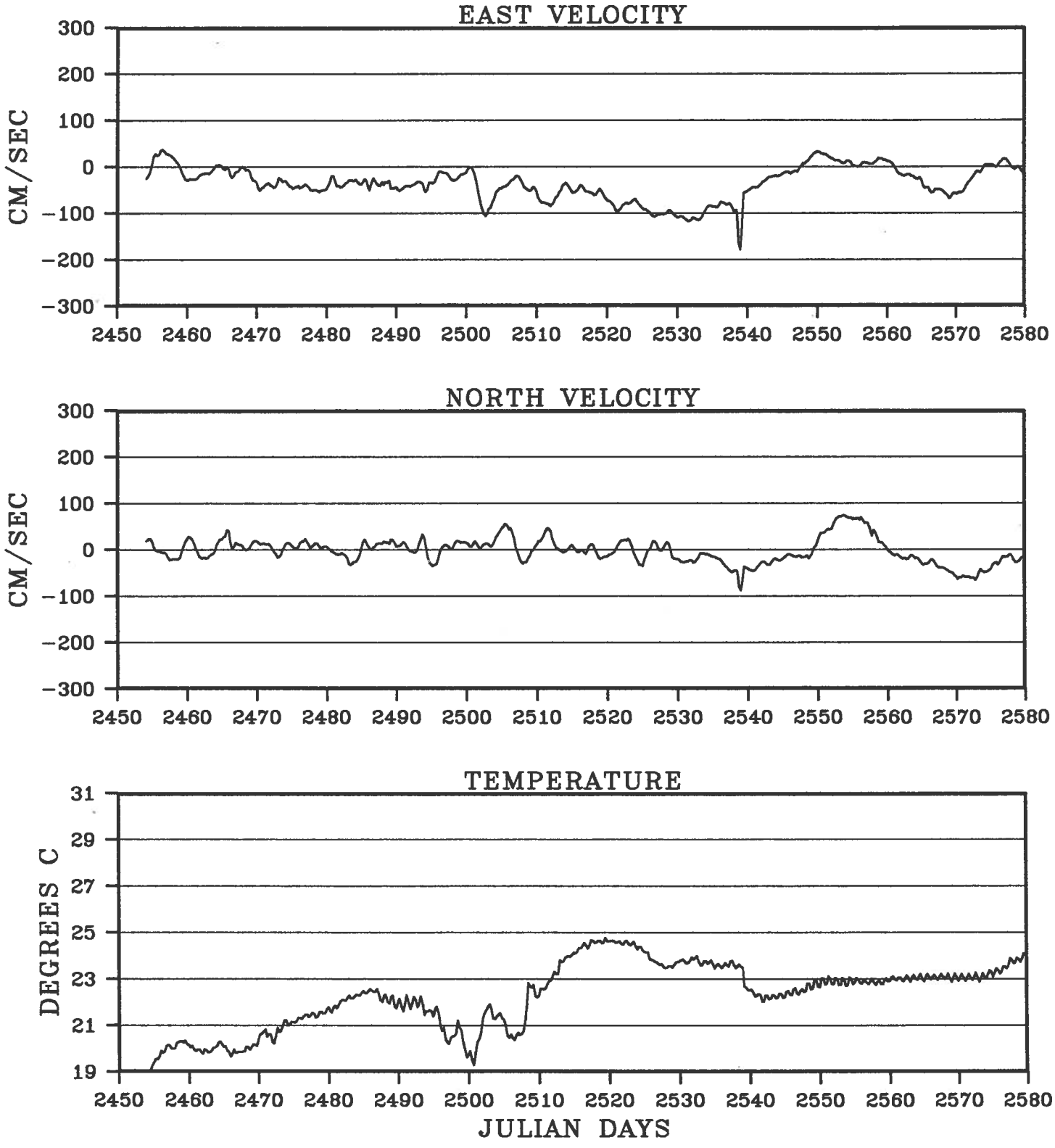
BUOY 2244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NORTH VELOCITY
CM/SEC
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100
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TEMPERATURE
DEGREES C
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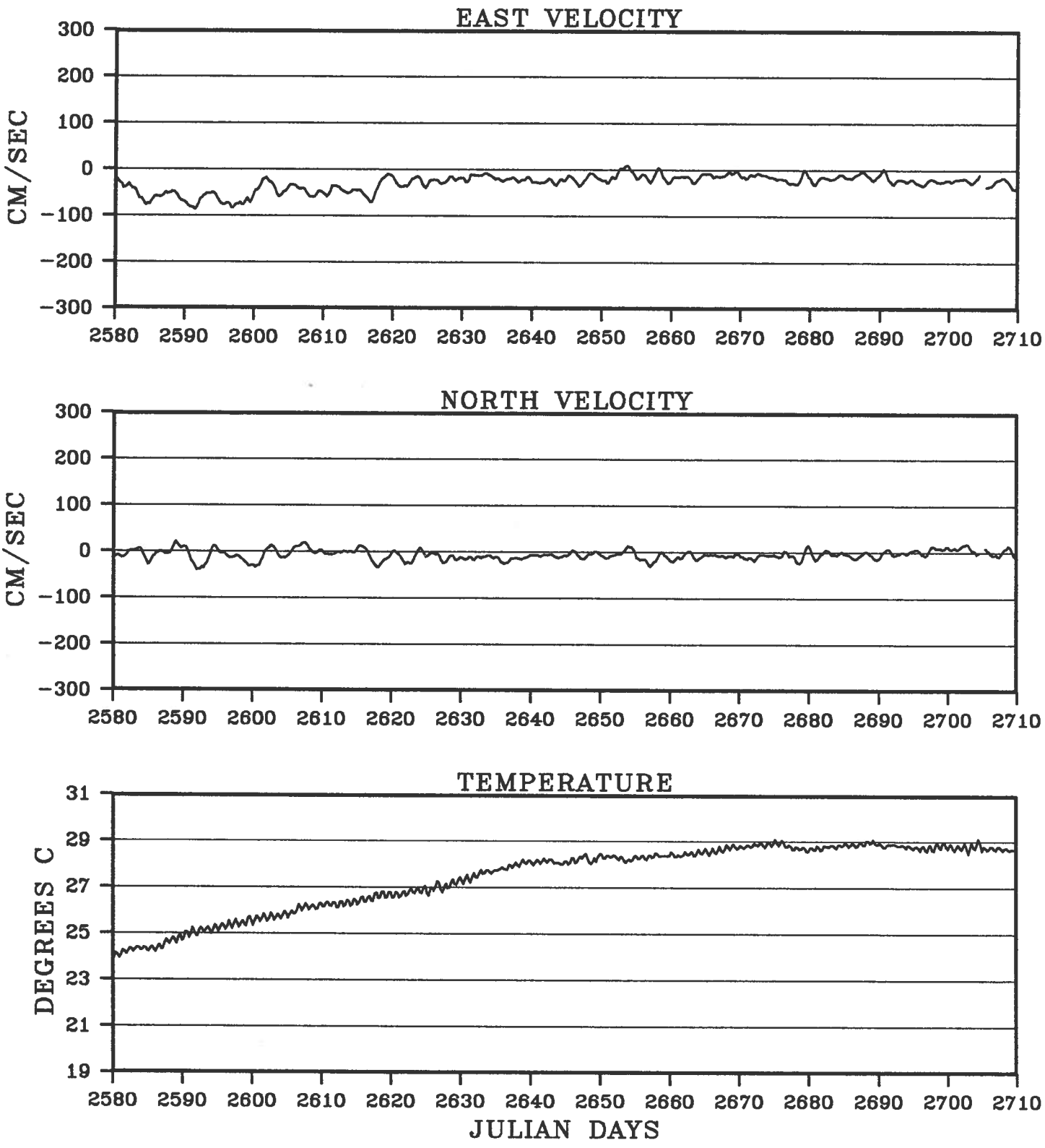
JULIAN DAYS

BUOY 2244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NORTH VELOCITY
CM/SEC
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100
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-200
-300
2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710
TEMPERATURE
DEGREES C
31
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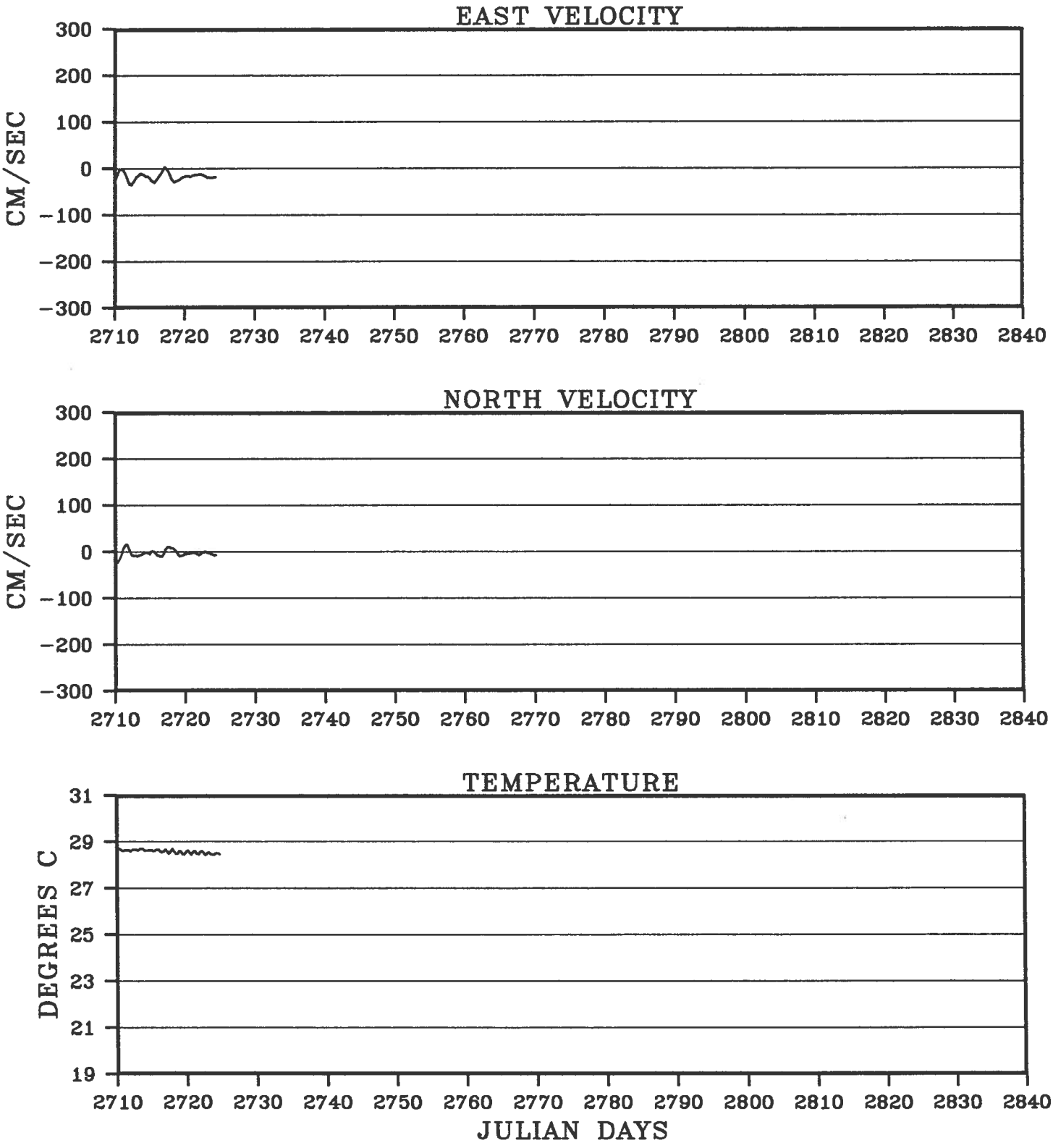
2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710
JULIAN DAYS

BUOY 2244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NORTH VELOCITY
CM/SEC
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100
0
-100
-200
-300
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840
TEMPERATURE
DEGREES C
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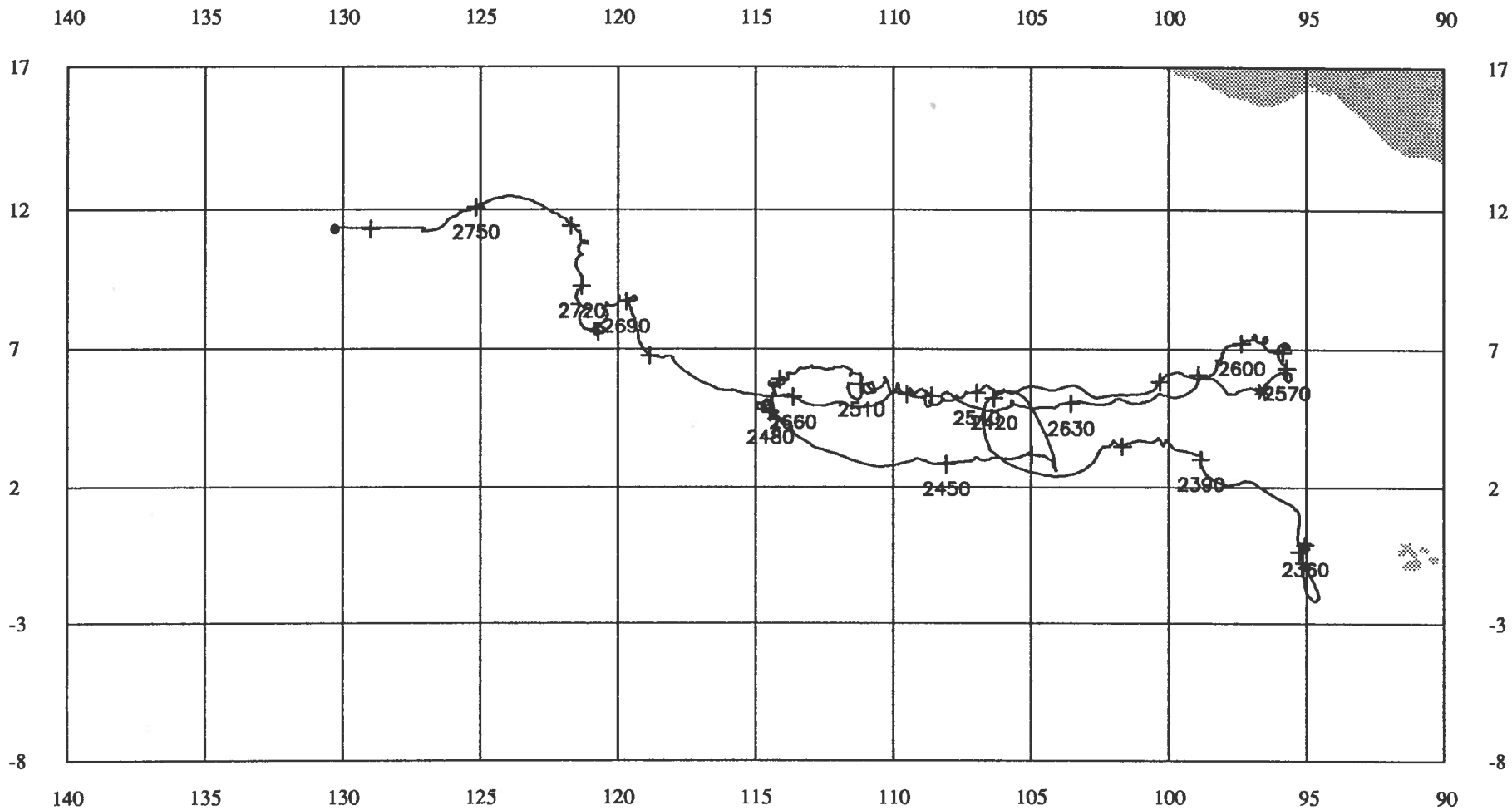
JULIAN DAYS

BUOY 2245



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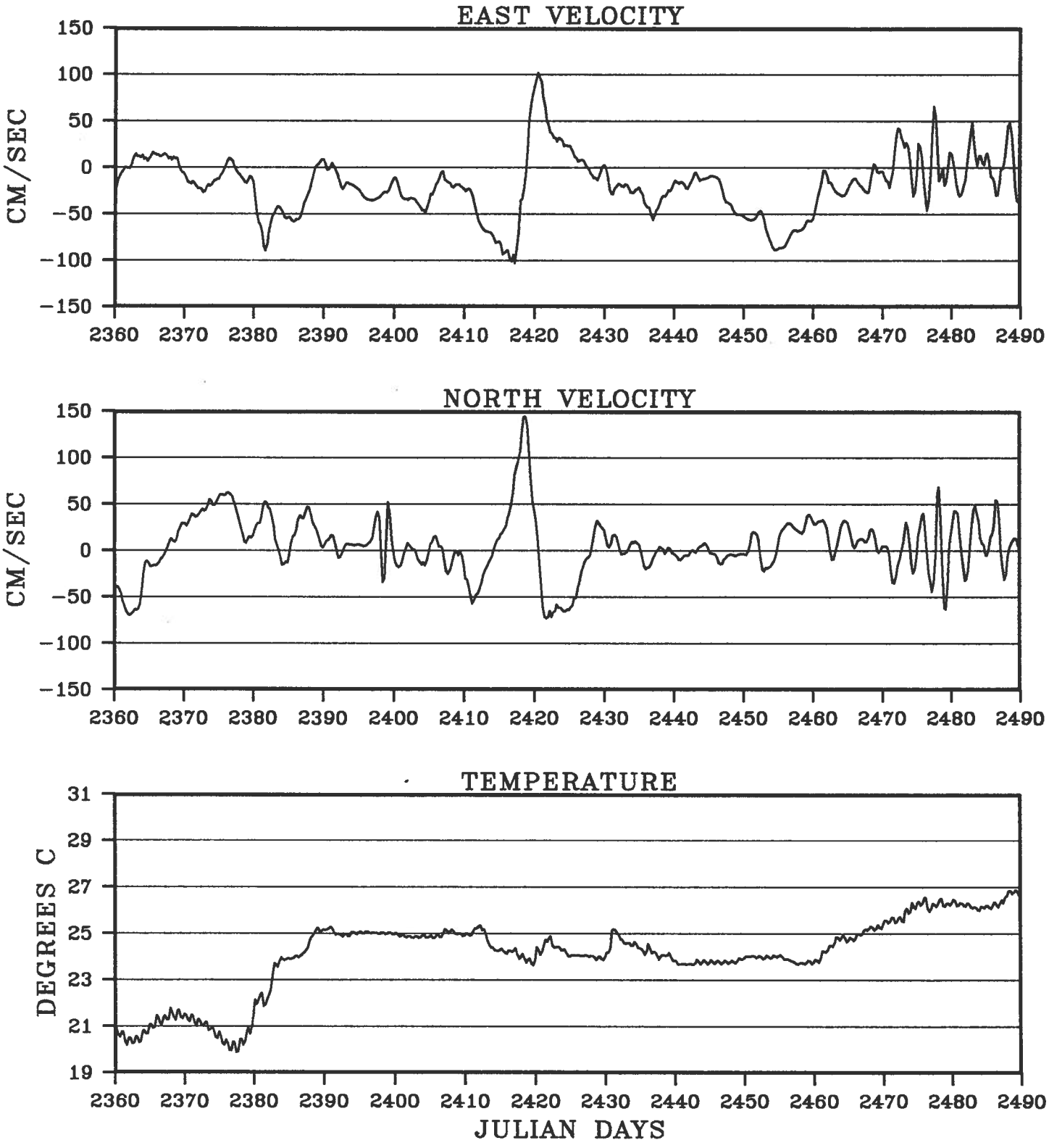
BUOY 2245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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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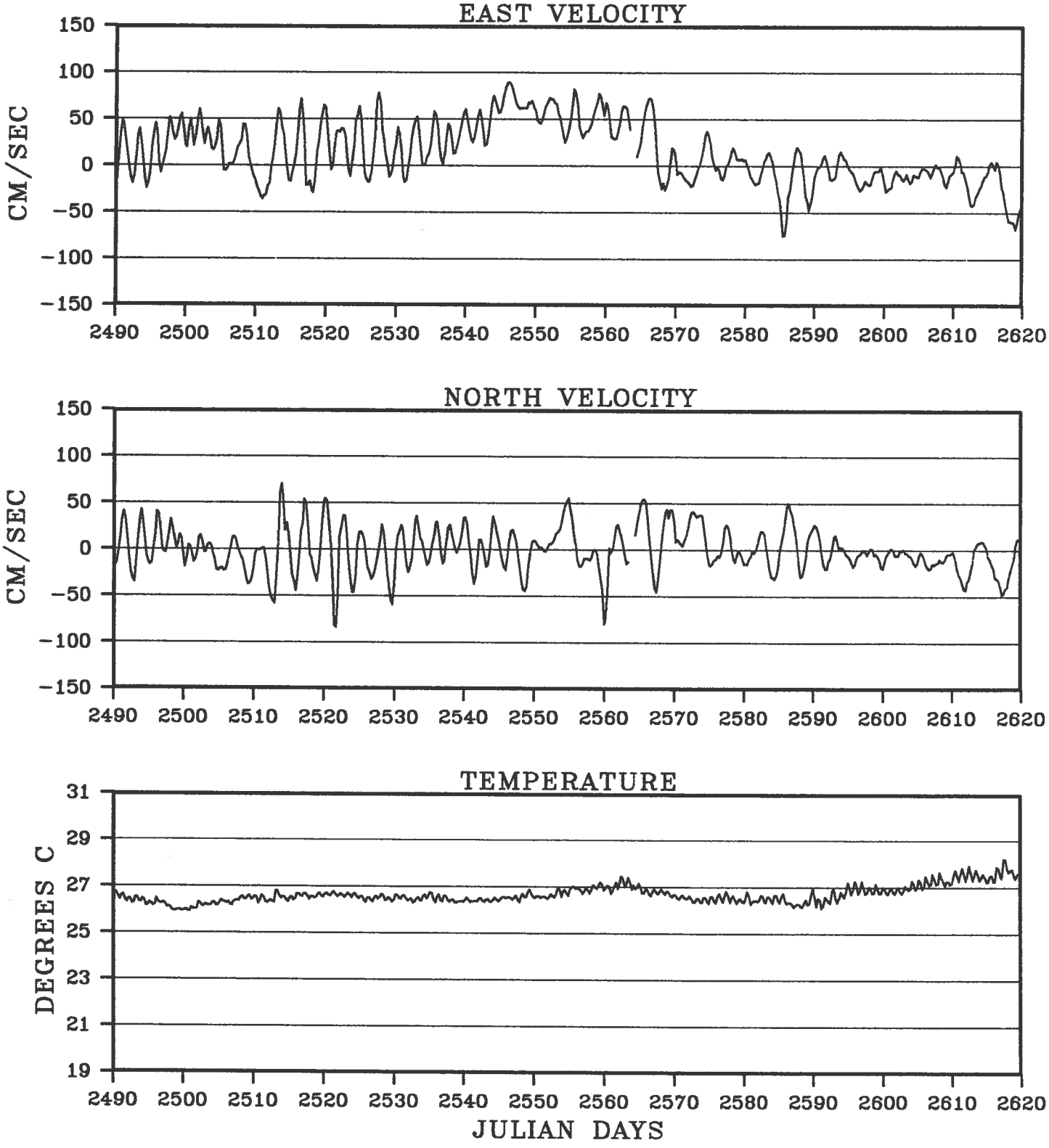
JULIAN DAYS

BUOY 2245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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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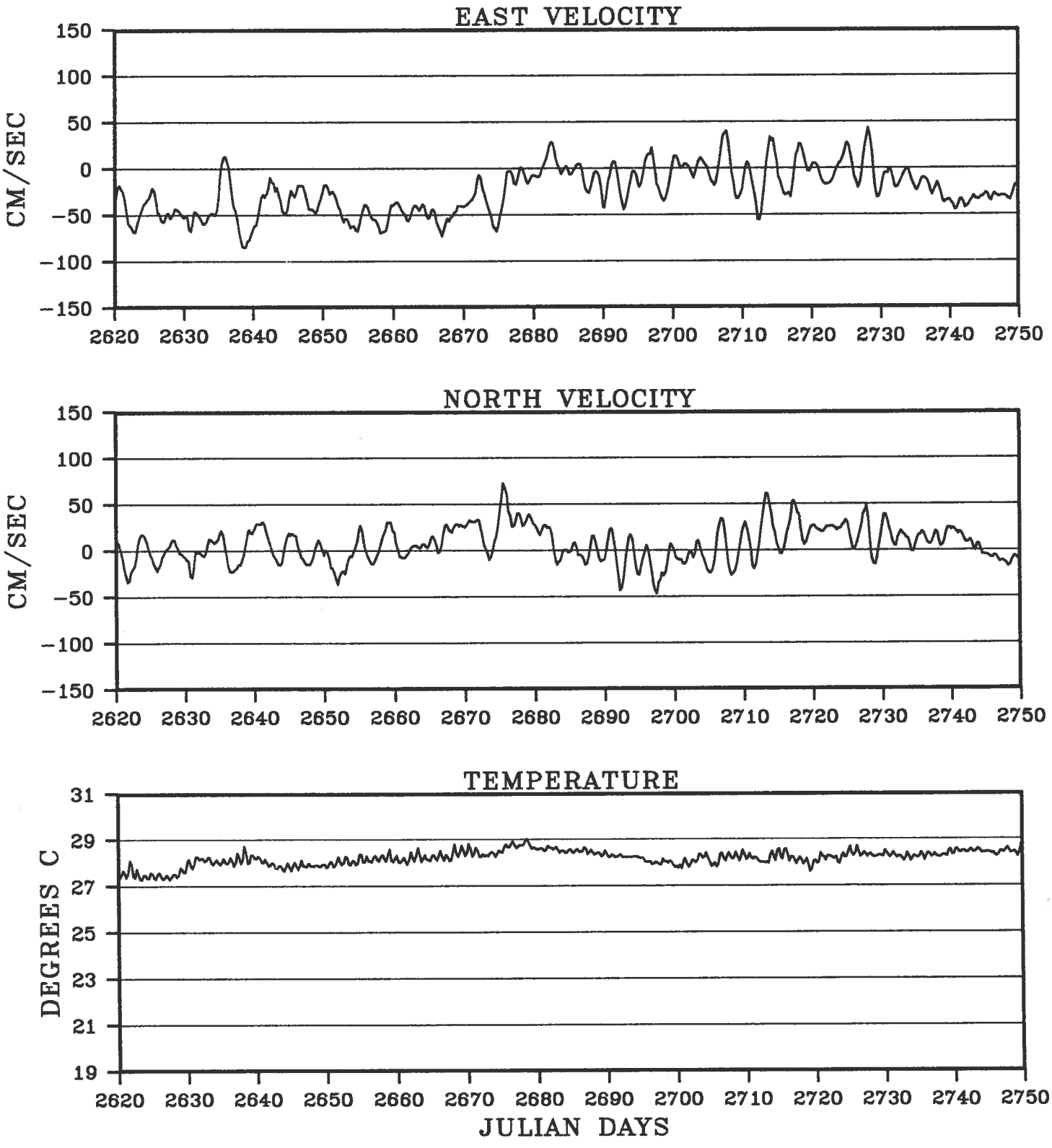
JULIAN DAYS

BUOY 2245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NORTH VELOCITY
CM/SEC
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2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750
TEMPERATURE
DEGREES C
31
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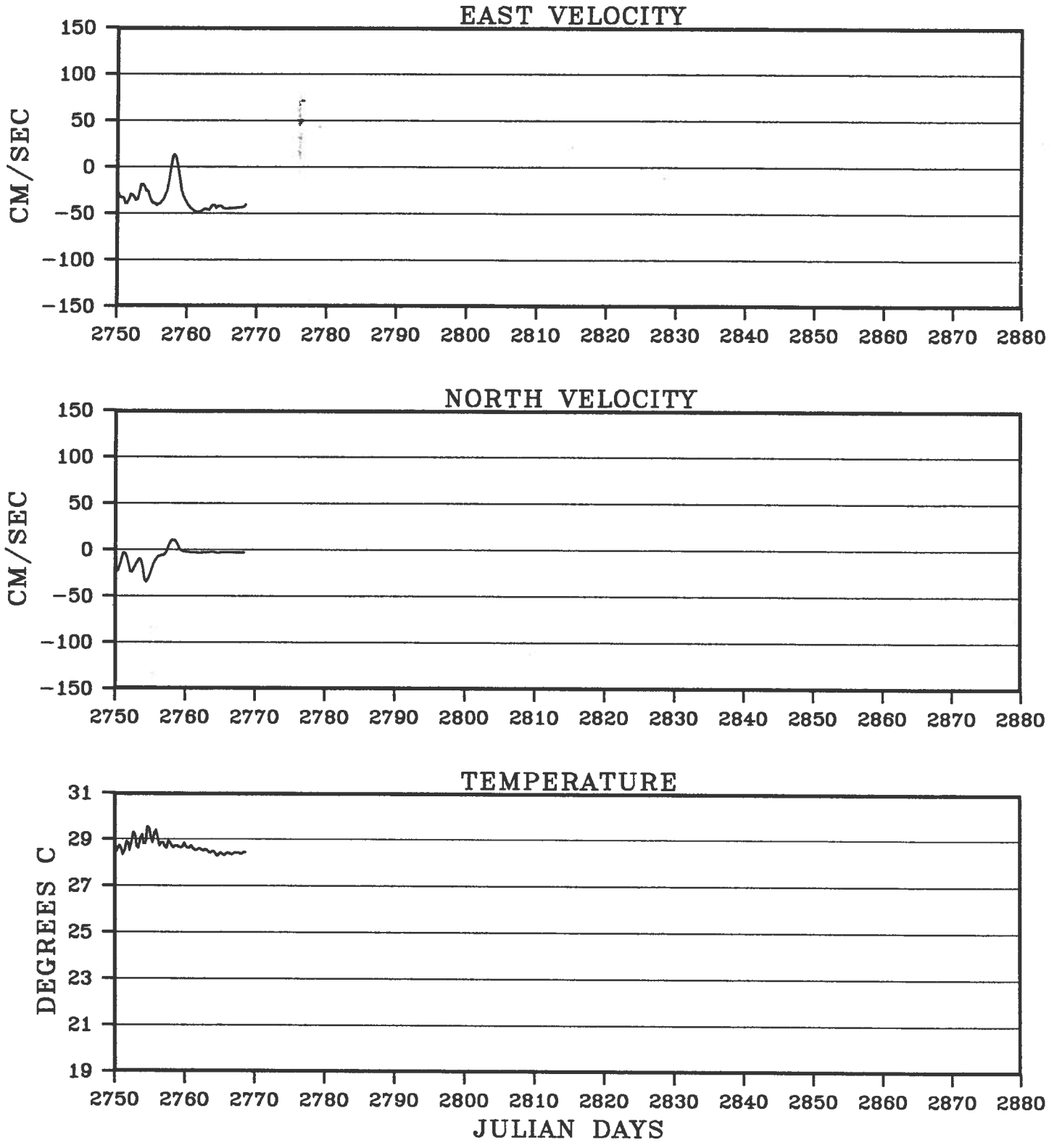
JULIAN DAYS

BUOY 2245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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880
TEMPERATURE
DEGREES C
31
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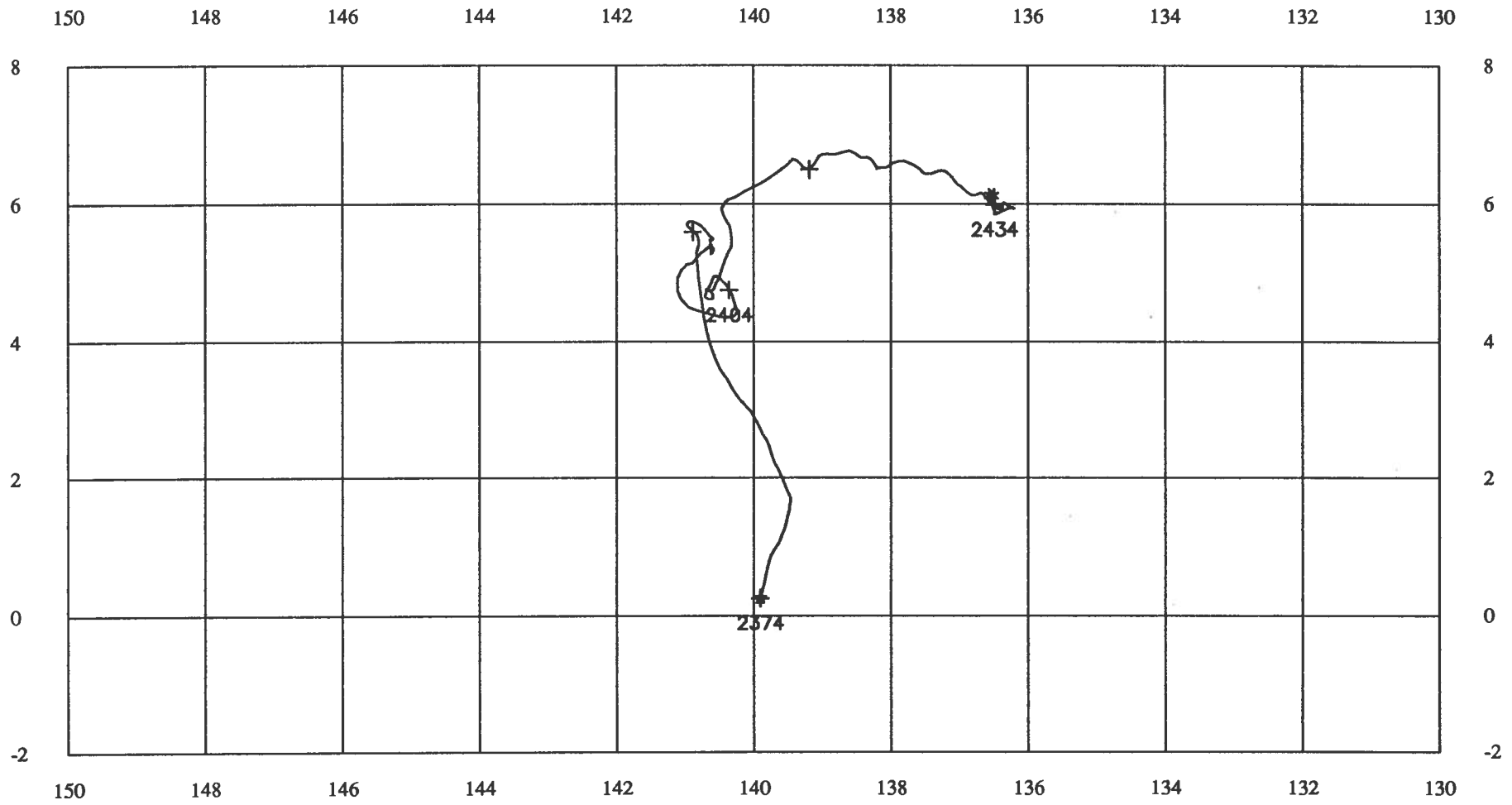
JULIAN DAYS

BUOY 2246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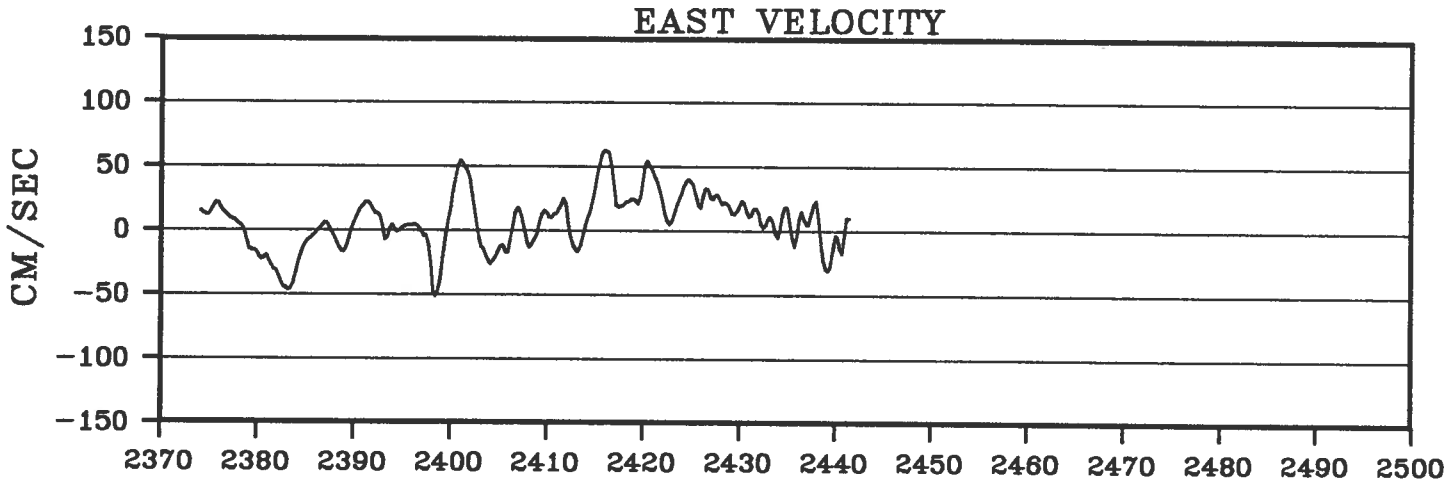
2404
2374

BUOY 2246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CM/SEC
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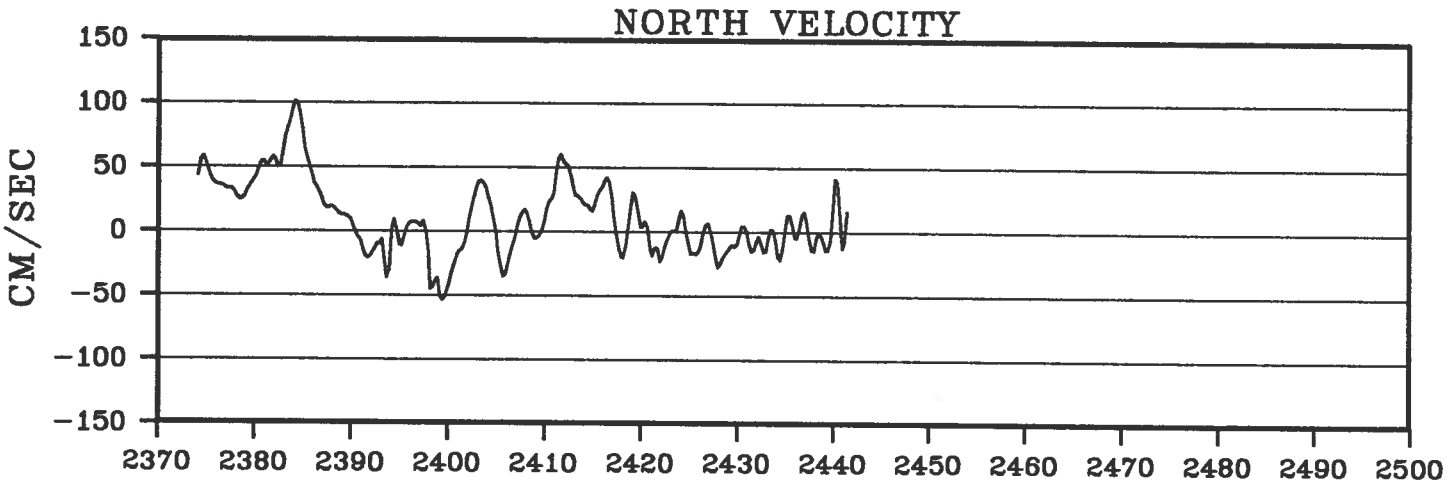
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CM/SEC
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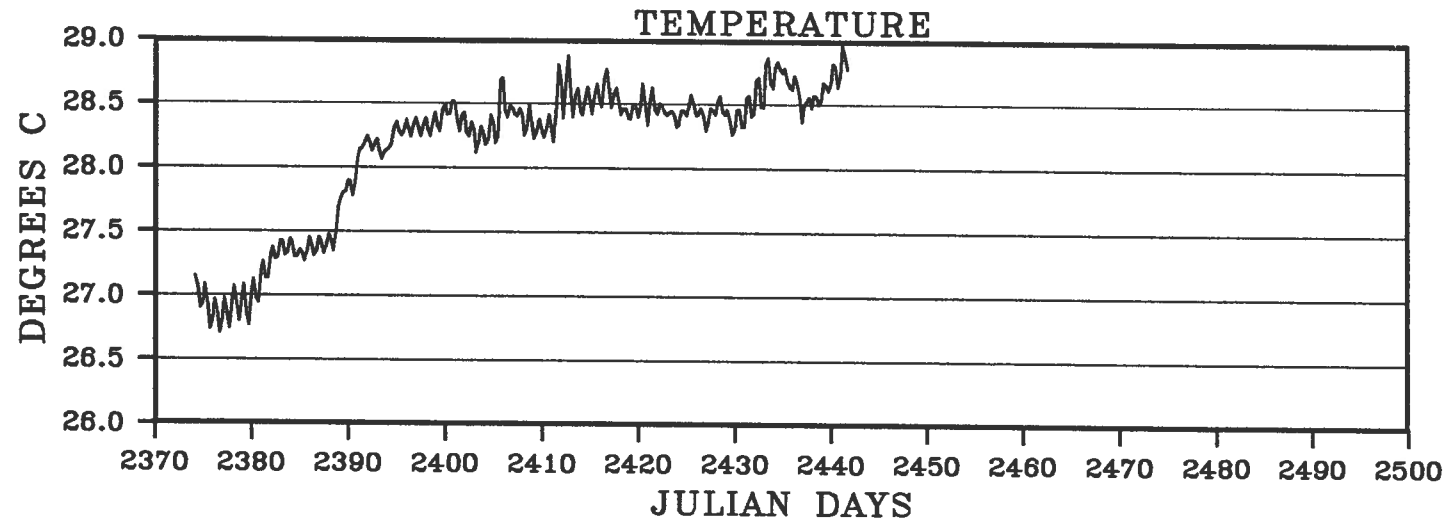
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DEGREES C
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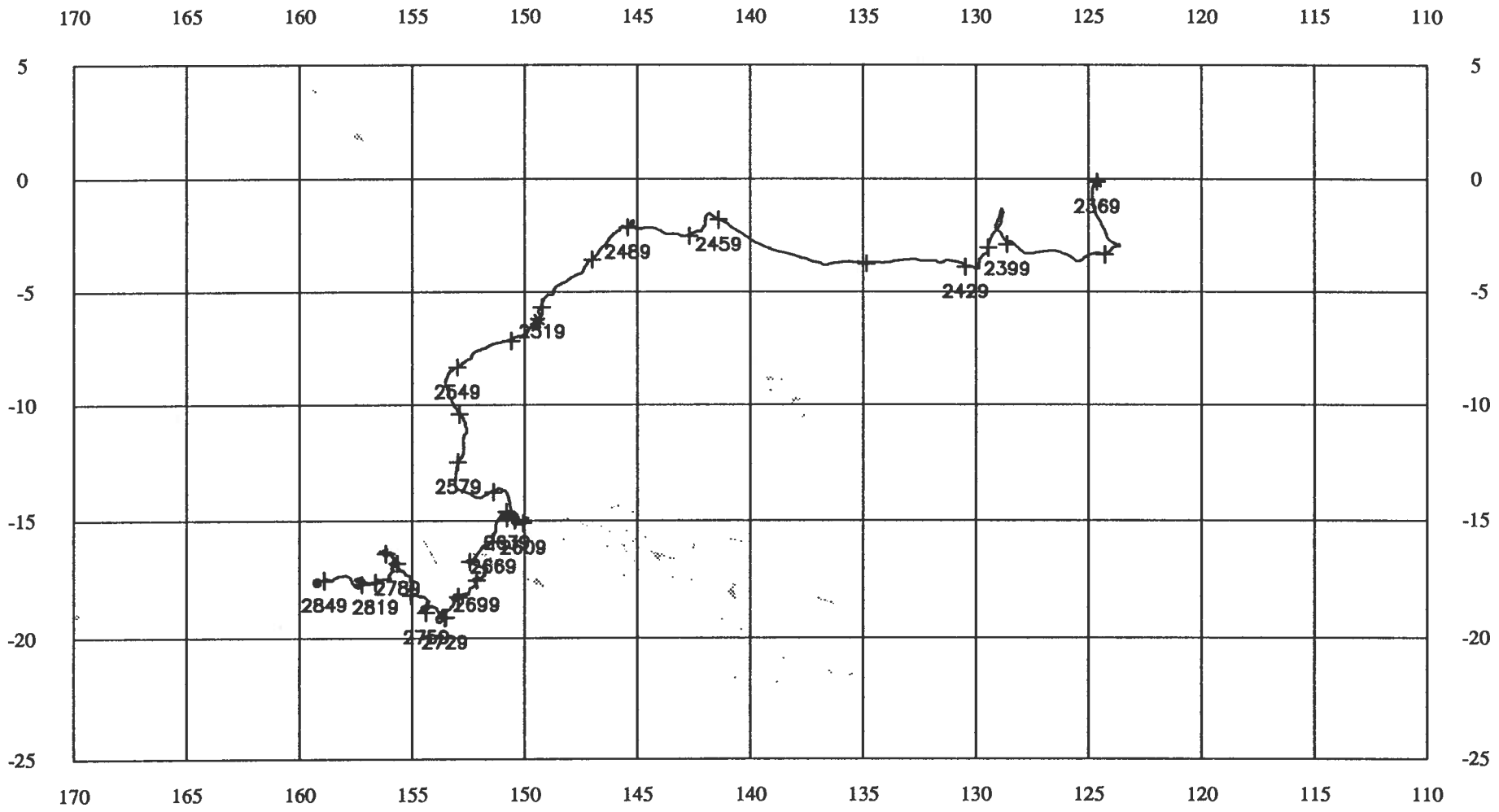
JULIAN DAYS

BUOY 2247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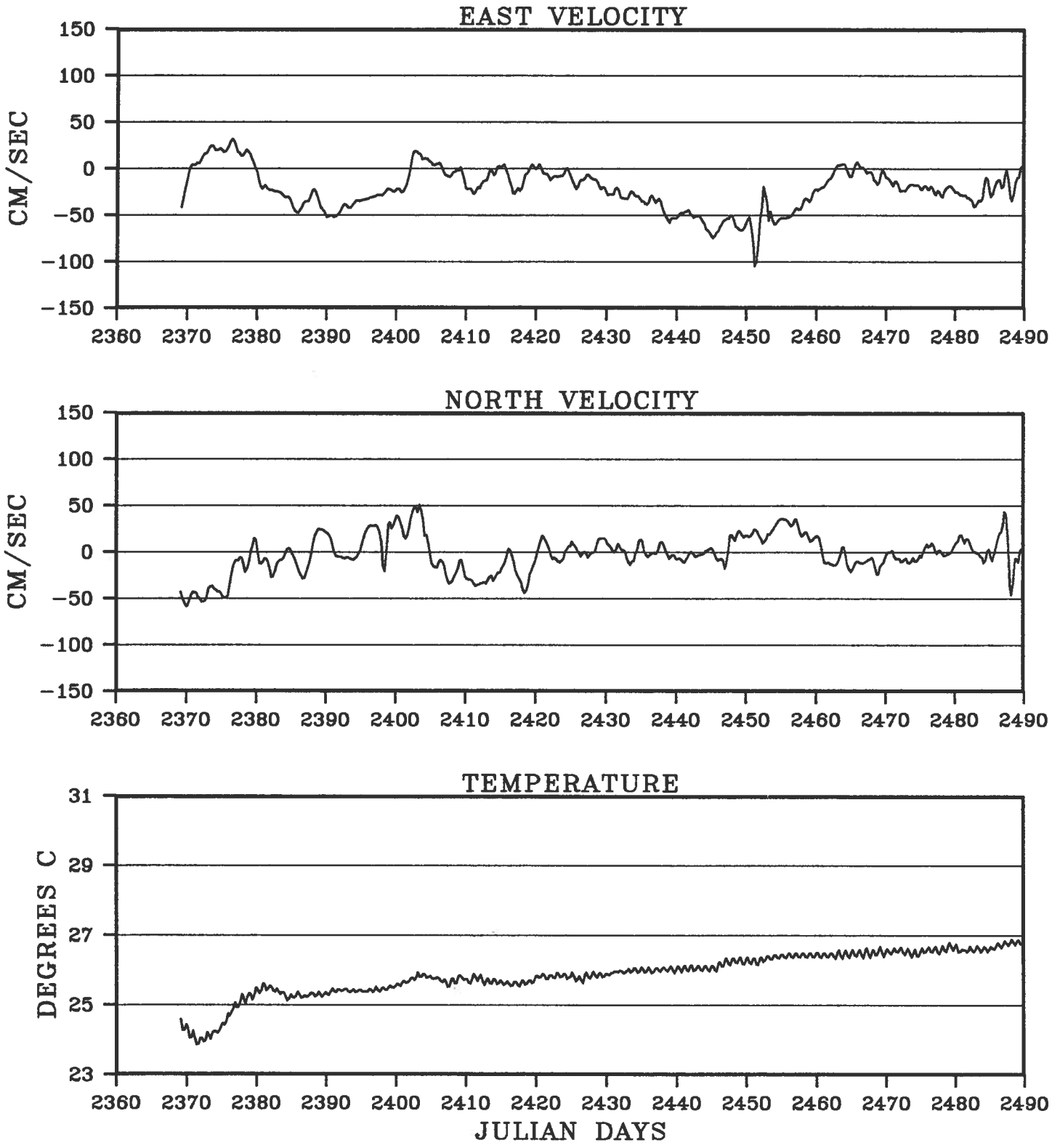
BUOY 2247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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490
TEMPERATURE
DEGREES C
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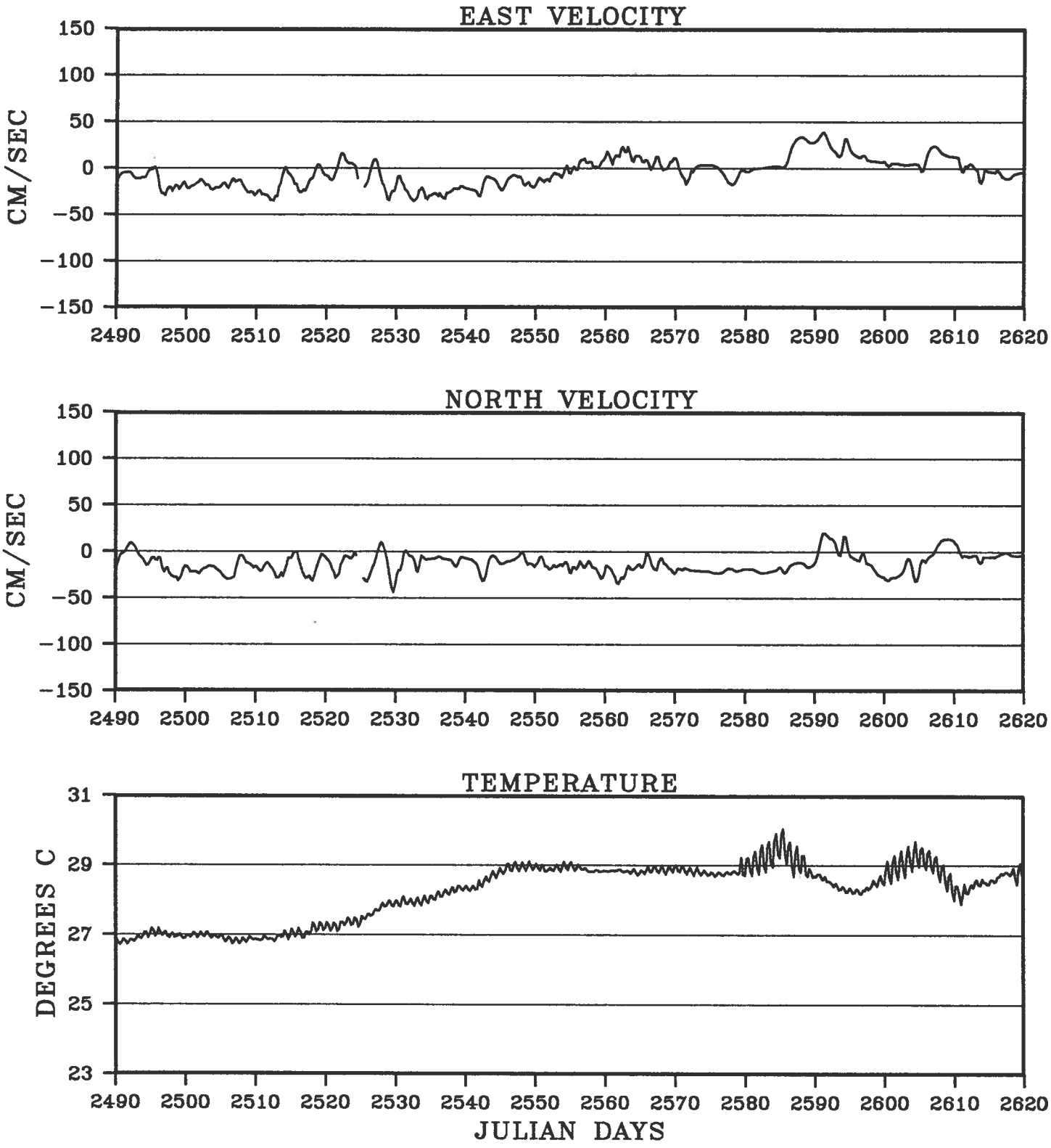
JULIAN DAYS

BUOY 2247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CM/SEC
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2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620
NORTH VELOCITY
CM/SEC
150
100
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0
-50
-100
-150
2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620
TEMPERATURE
DEGREES C
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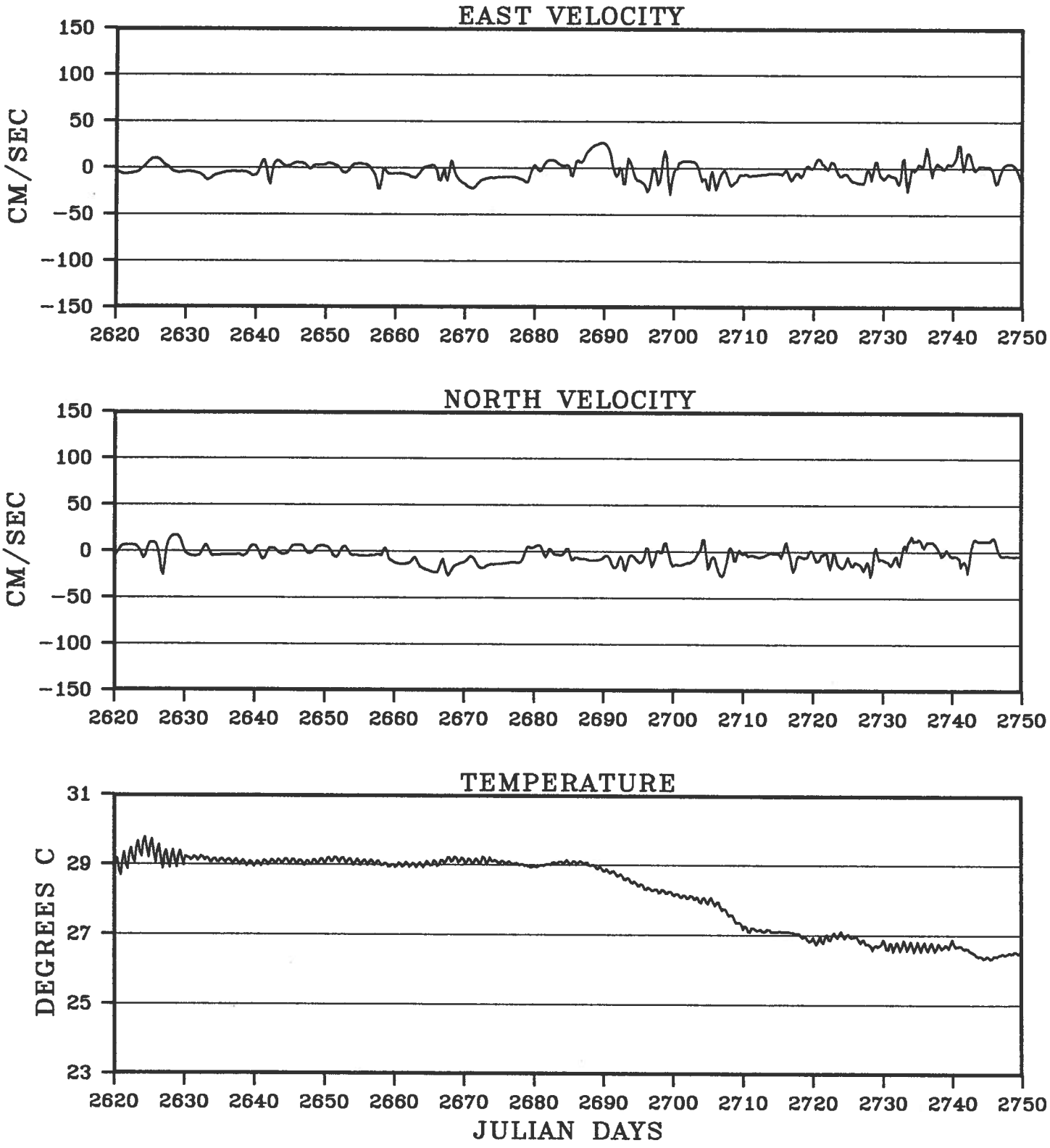
JULIAN DAYS

BUOY 2247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CM/SEC
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NORTH VELOCITY
CM/SEC
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-100
-150
2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750
TEMPERATURE
DEGREES C
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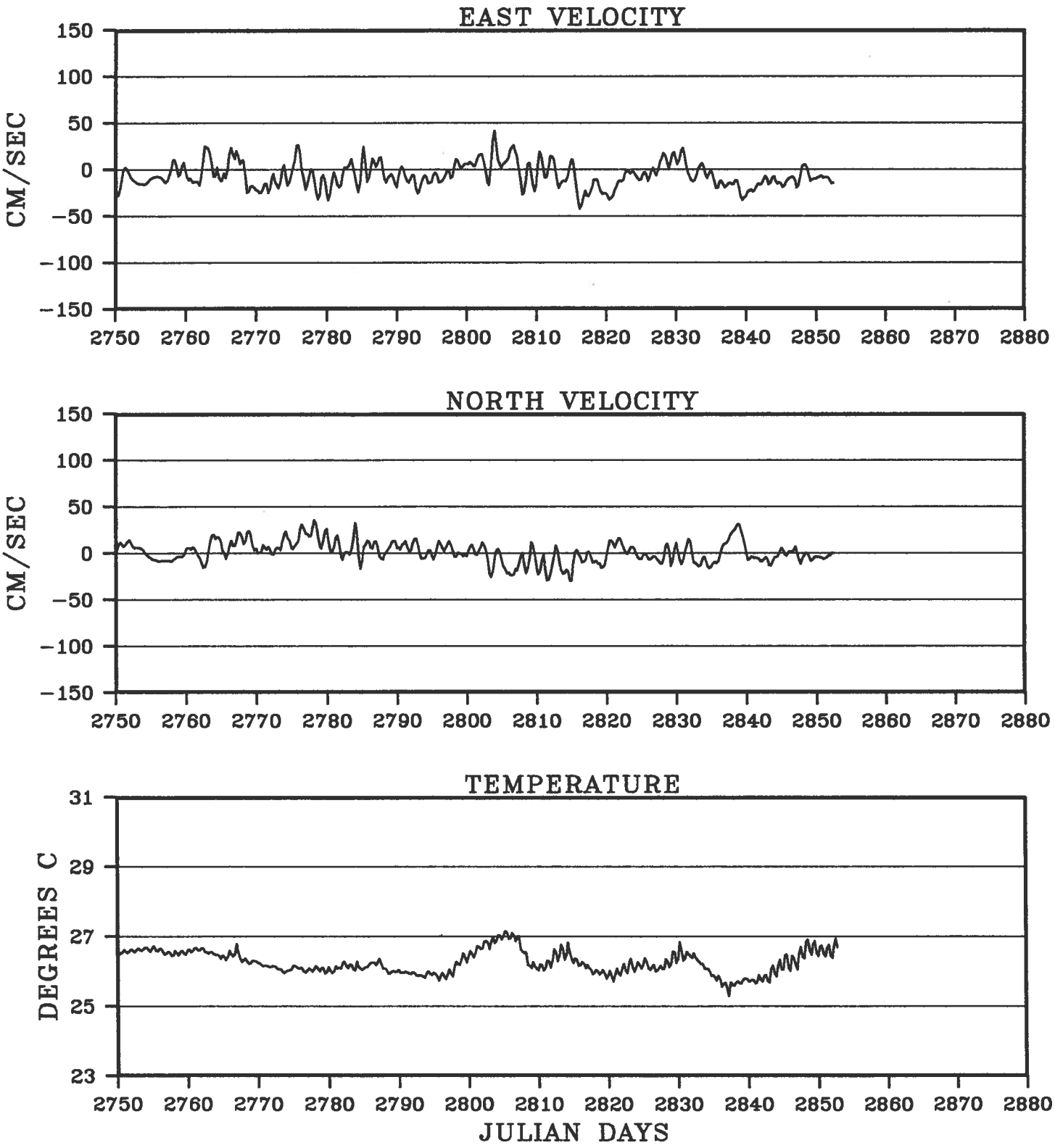
JULIAN DAYS

BUOY 2247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CM/SEC
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2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880
NORTH VELOCITY
CM/SEC
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2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880
TEMPERATURE
DEGREES C
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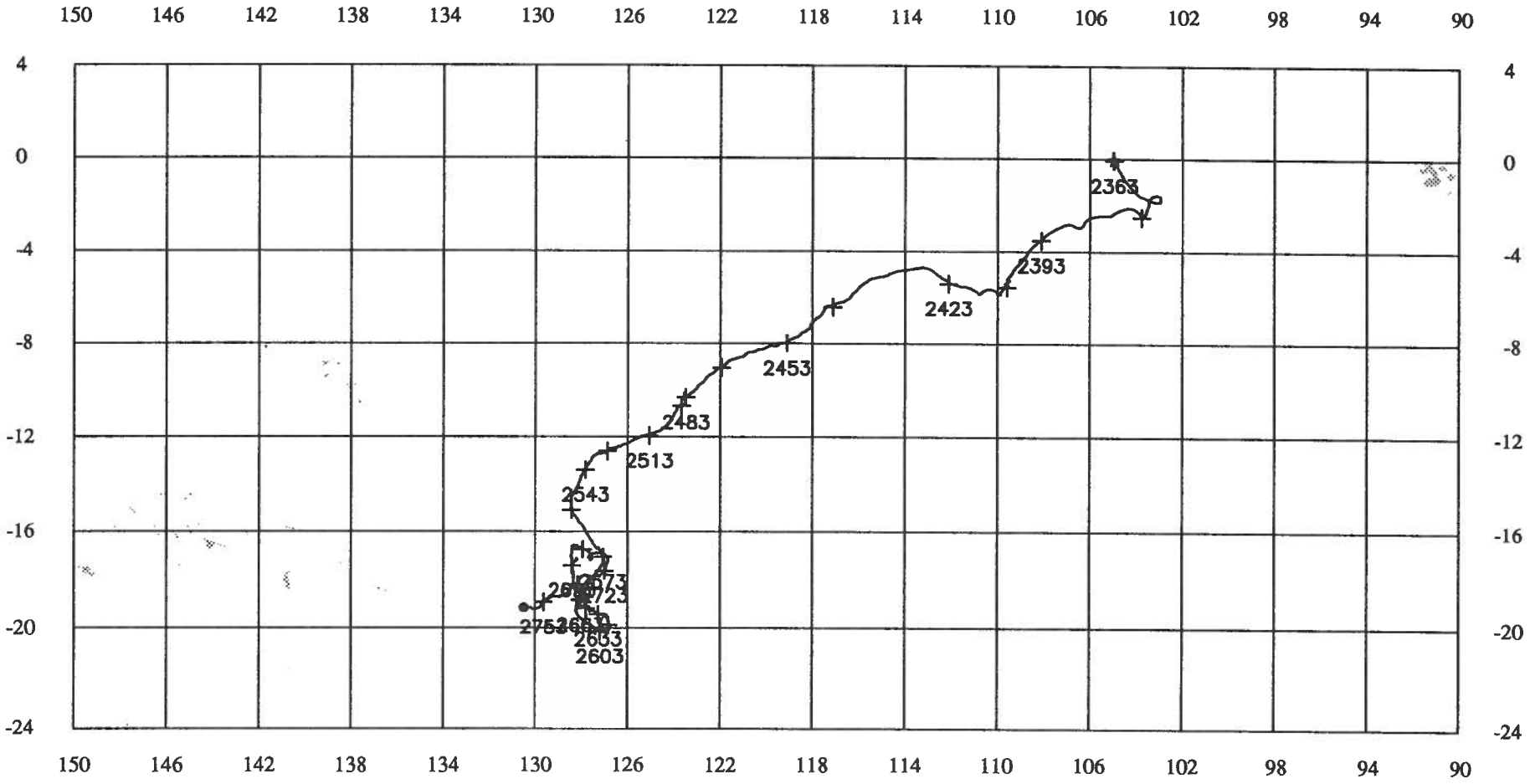
2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880
JULIAN DAYS

BUOY 2249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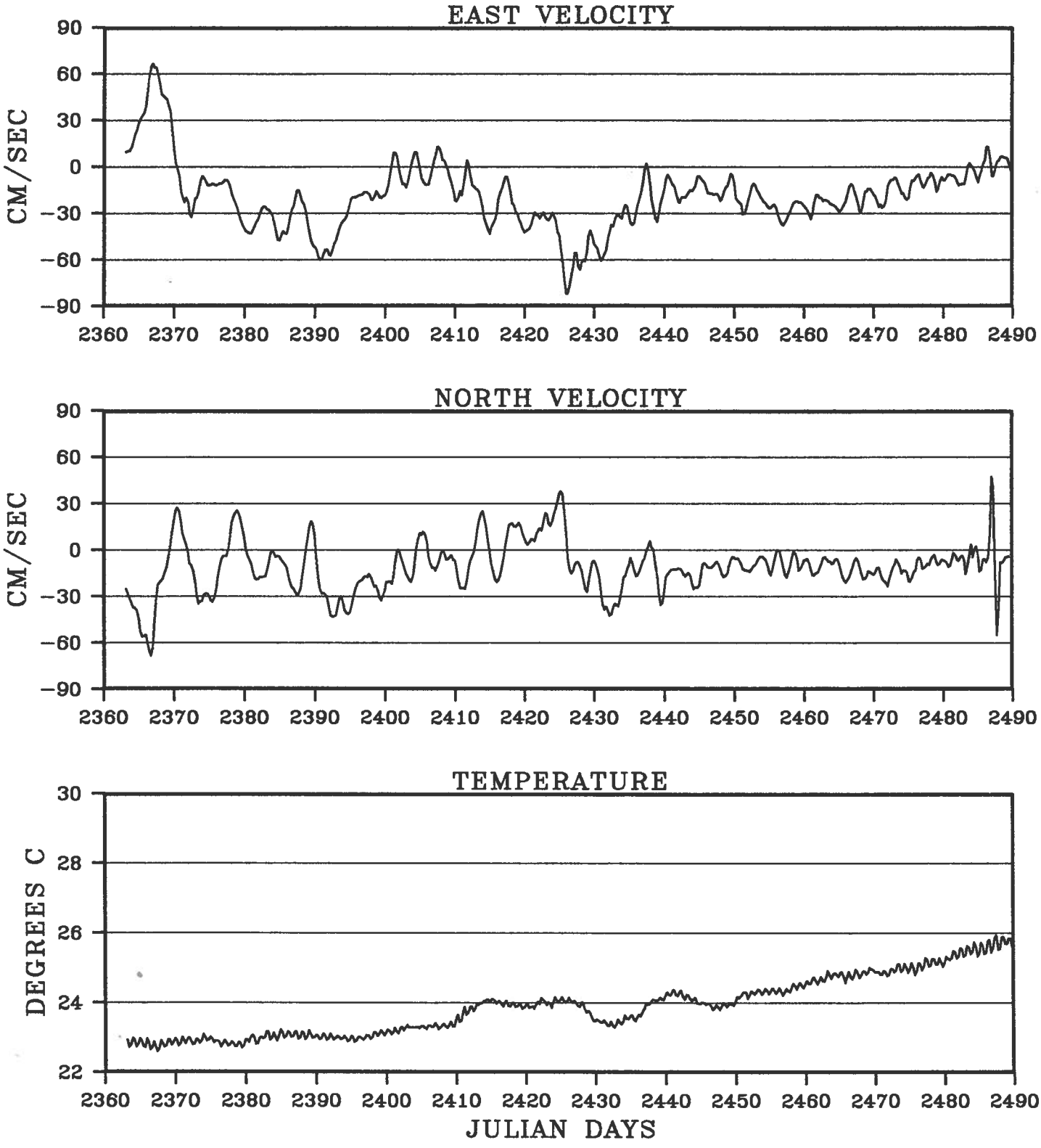
BUOY 2249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CM/SEC
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2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490
NORTH VELOCITY
CM/SEC
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2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490
TEMPERATURE
DEGREES C
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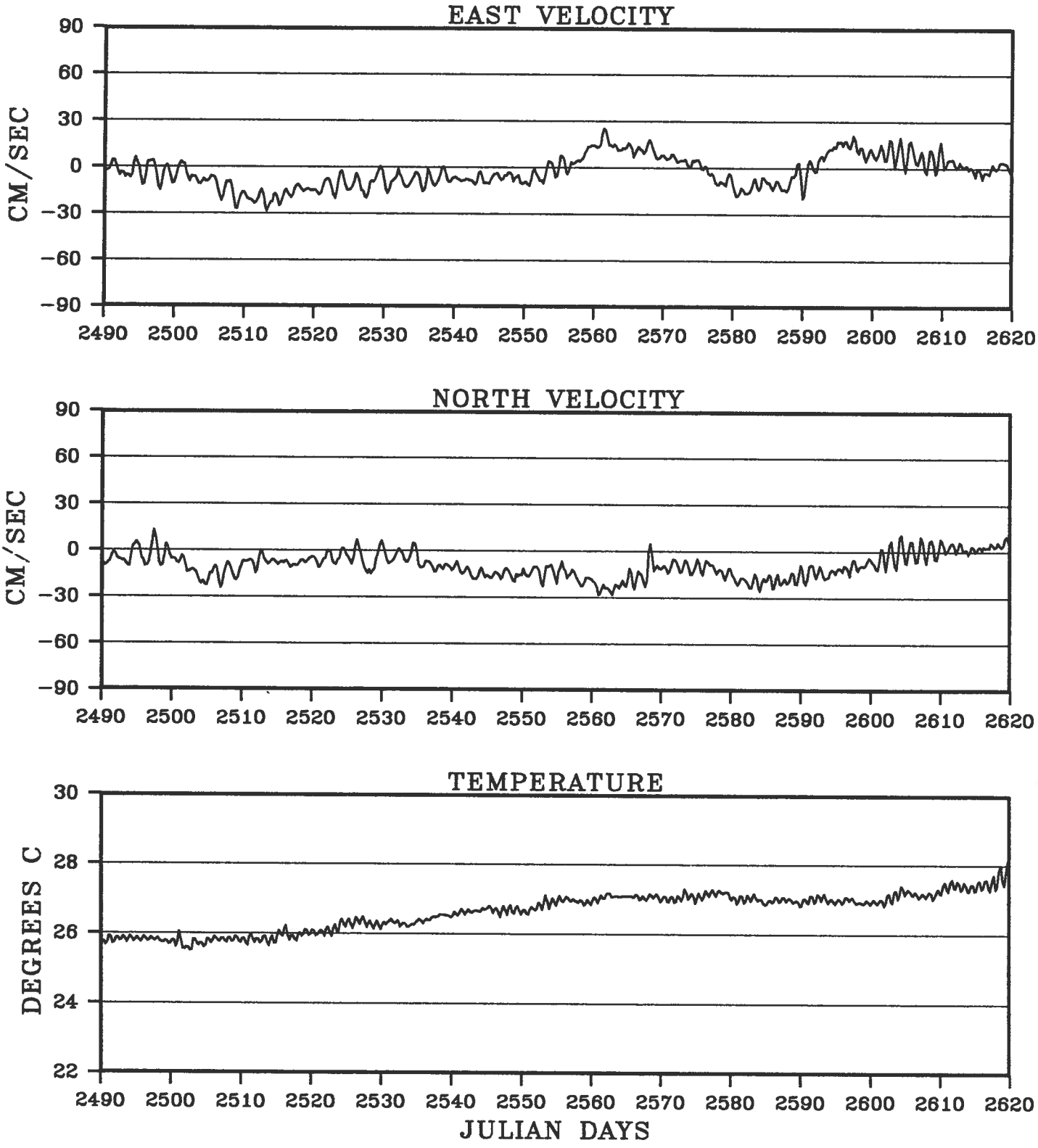
JULIAN DAYS

BUOY 2249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NORTH VELOCITY
CM/SEC
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2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620
TEMPERATURE
DEGREES C
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JULIAN DAYS

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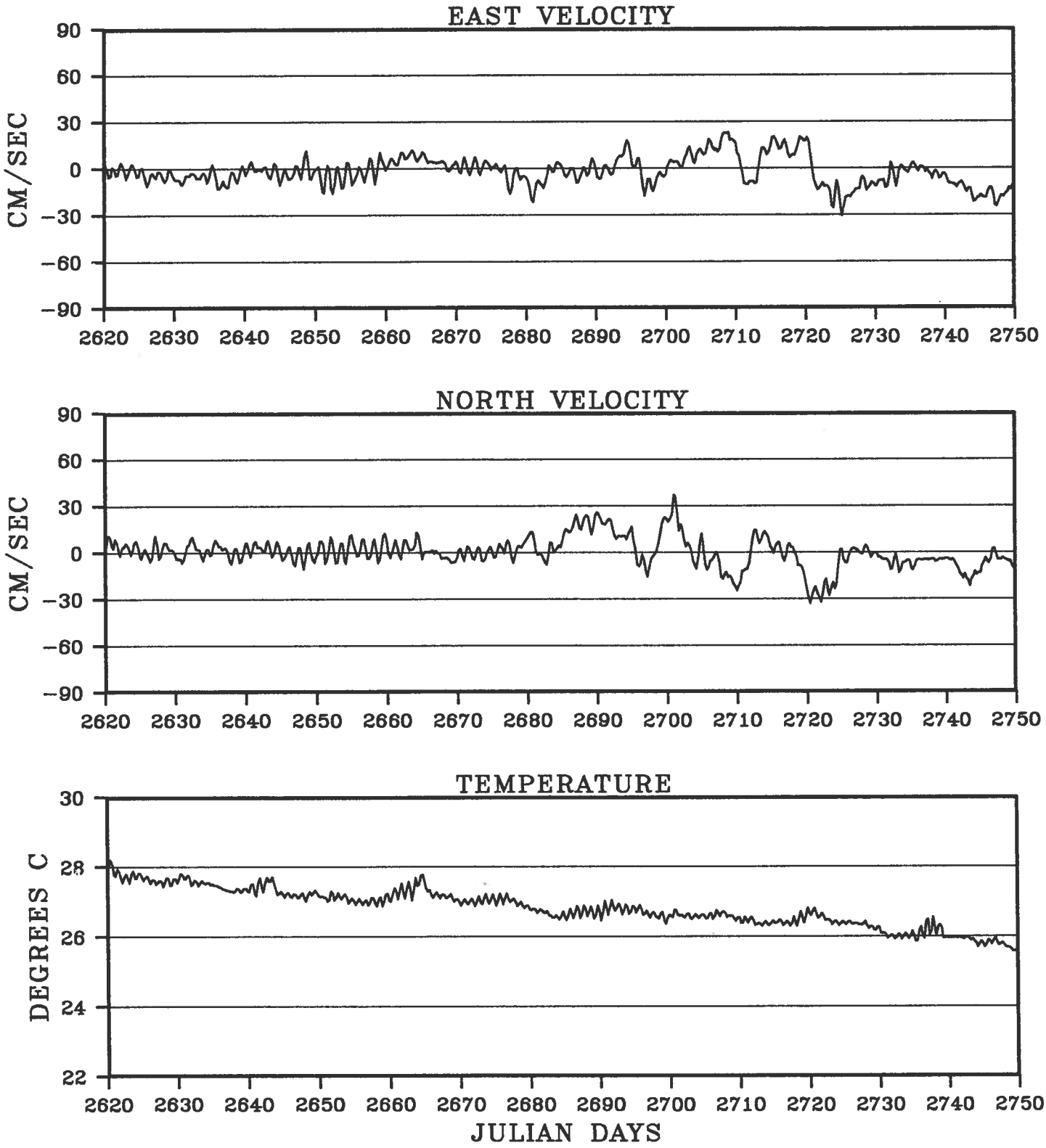
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CM/SEC
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NORTH VELOCITY
CM/SEC
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2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750
TEMPERATURE
DEGREES C
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JULIAN DAYS

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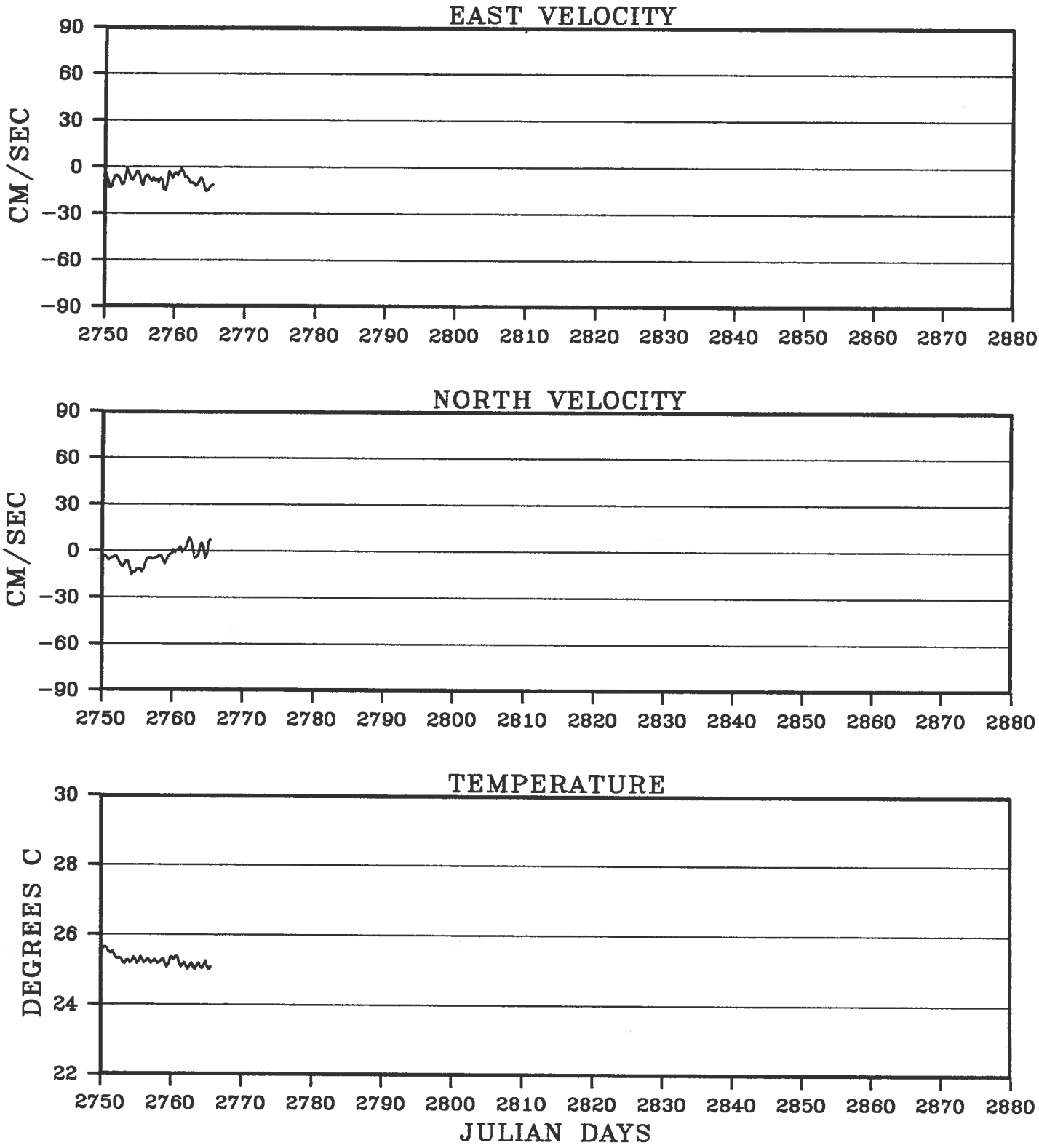
EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
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2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880
TEMPERATURE
DEGREES C
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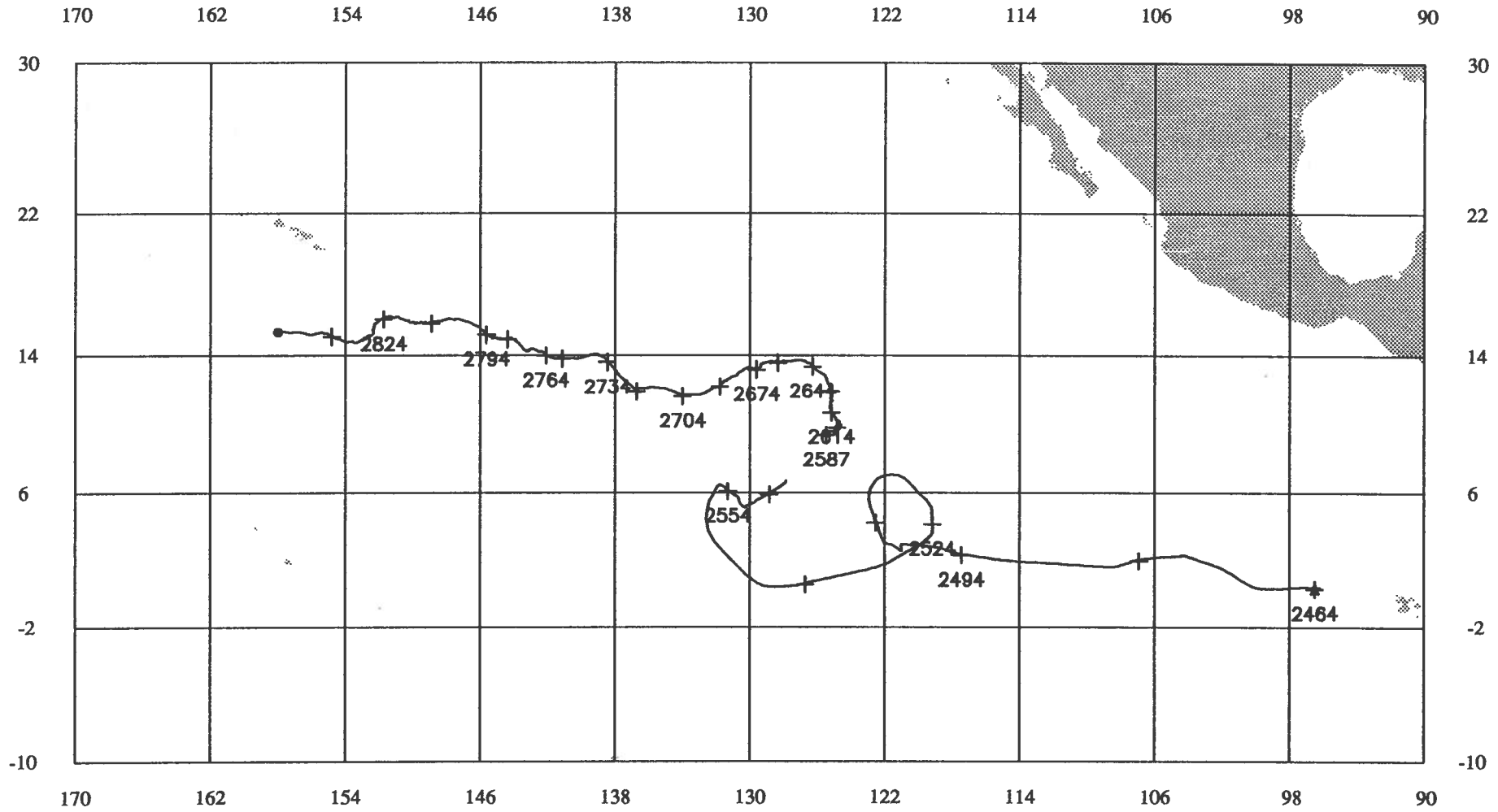
JULIAN DAYS

BUOY 2280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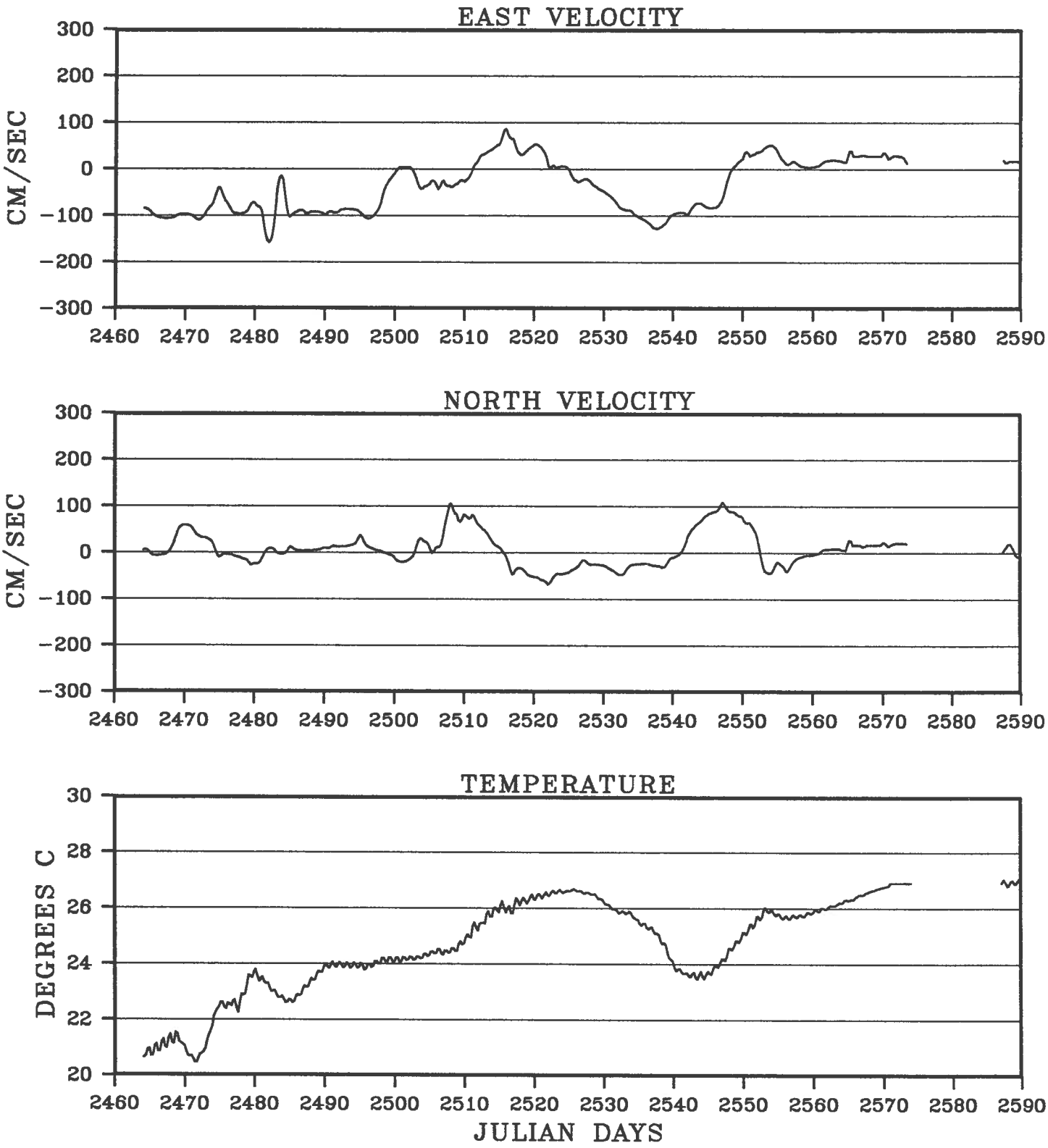
BUOY 2280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CM/SEC
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NORTH VELOCITY
CM/SEC
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-100
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2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590
TEMPERATURE
DEGREES C
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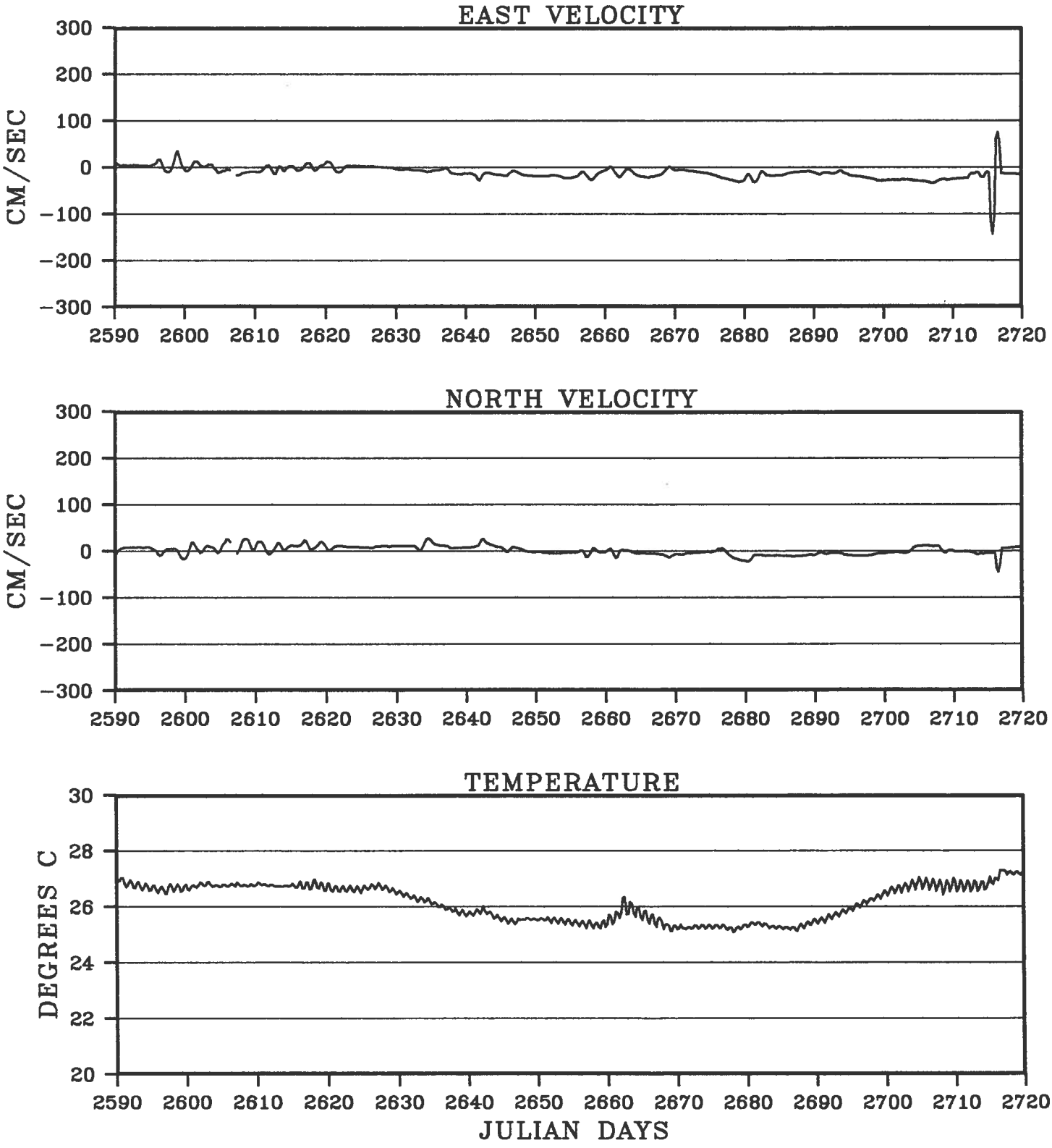
JULIAN DAYS

BUOY 2280


EAST VELOCITY
CM/SEC
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2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720
NORTH VELOCITY
CM/SEC
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-300
2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720
TEMPERATURE
DEGREES C
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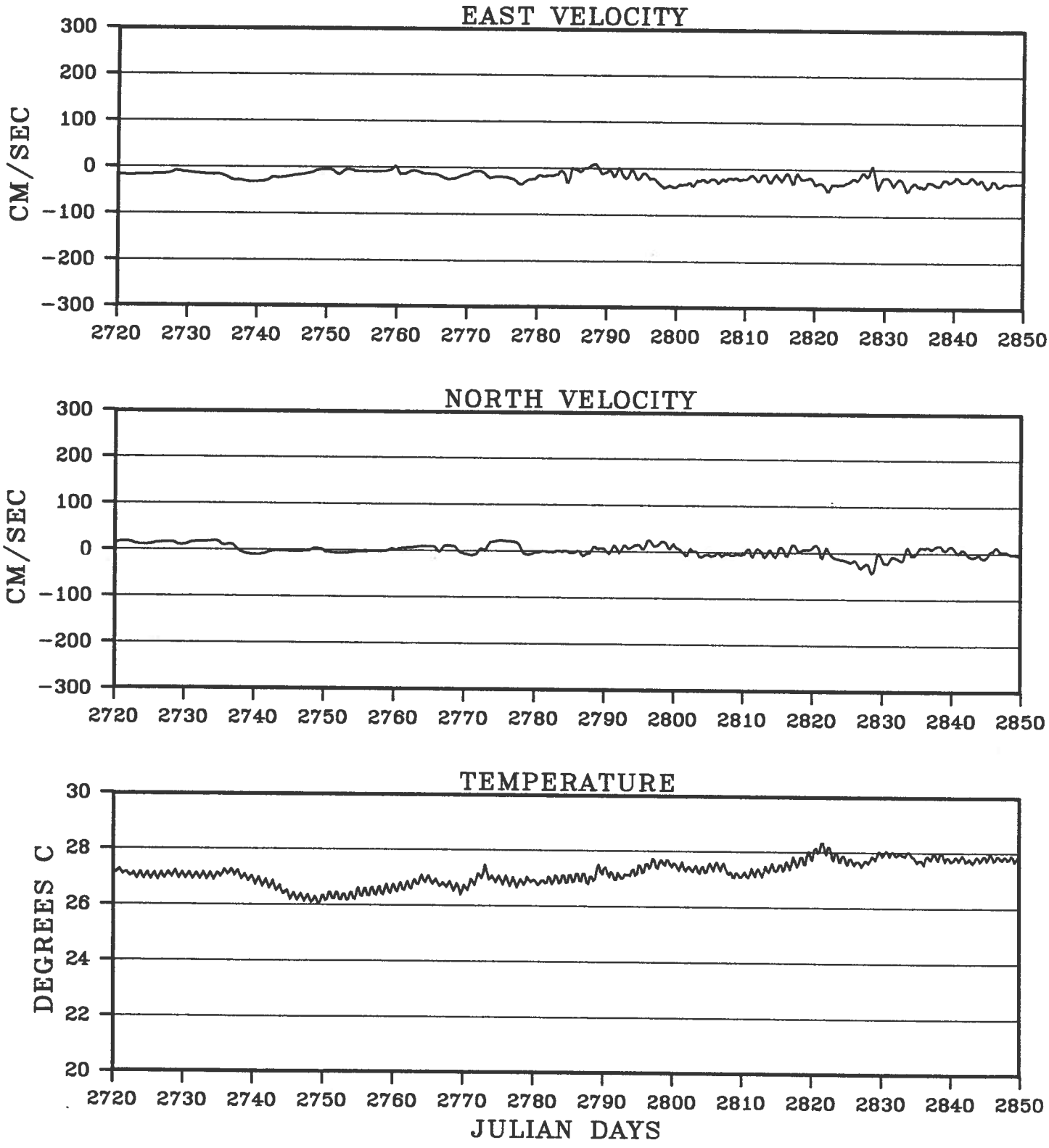
JULIAN DAYS

BUOY 2280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2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850
NORTH VELOCITY
CM/SEC
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-200
-300
2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850
TEMPERATURE
DEGREES C
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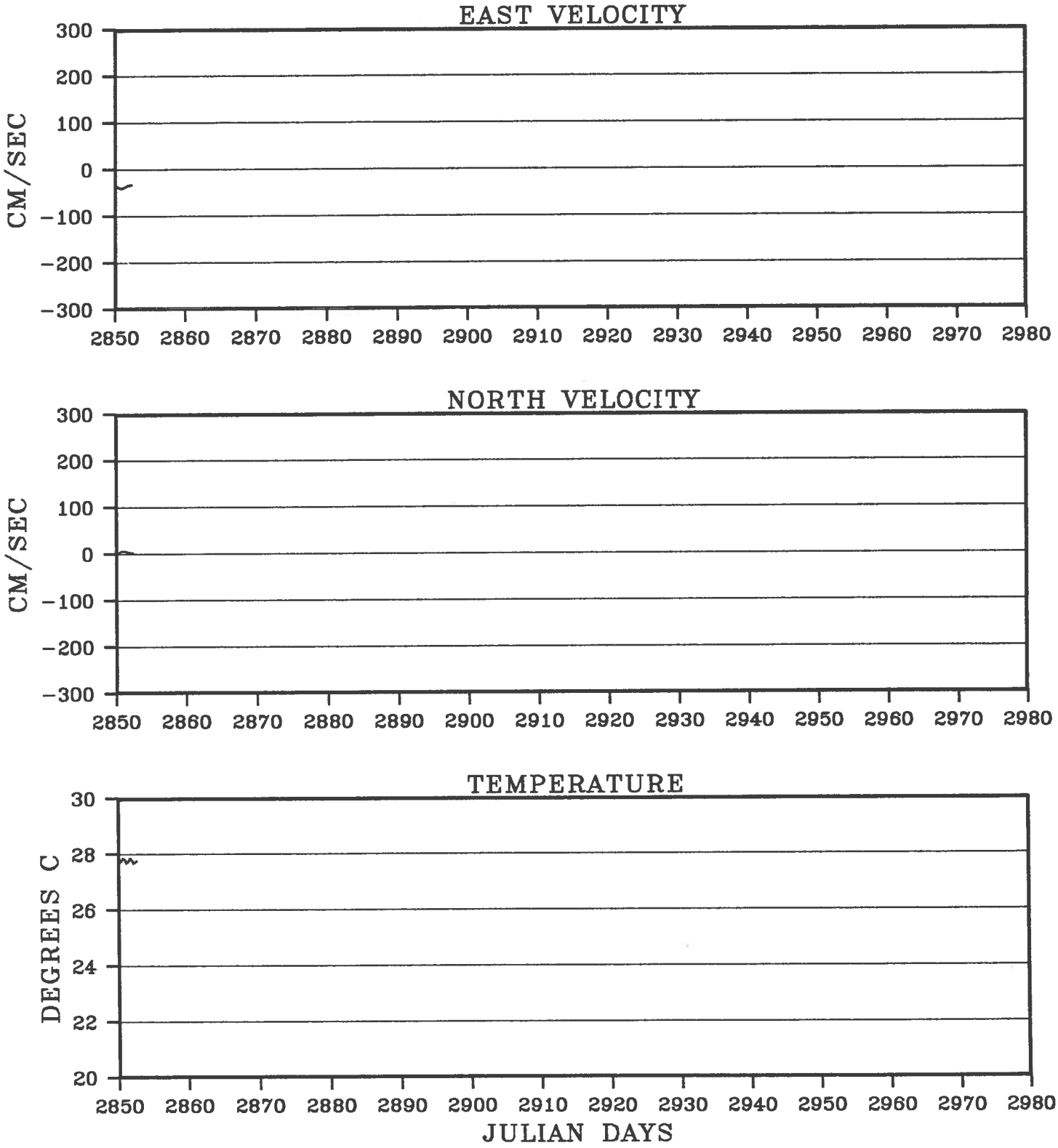
JULIAN DAYS

BUOY 2280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NORTH VELOCITY
CM/SEC
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2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980
TEMPERATURE
DEGREES C
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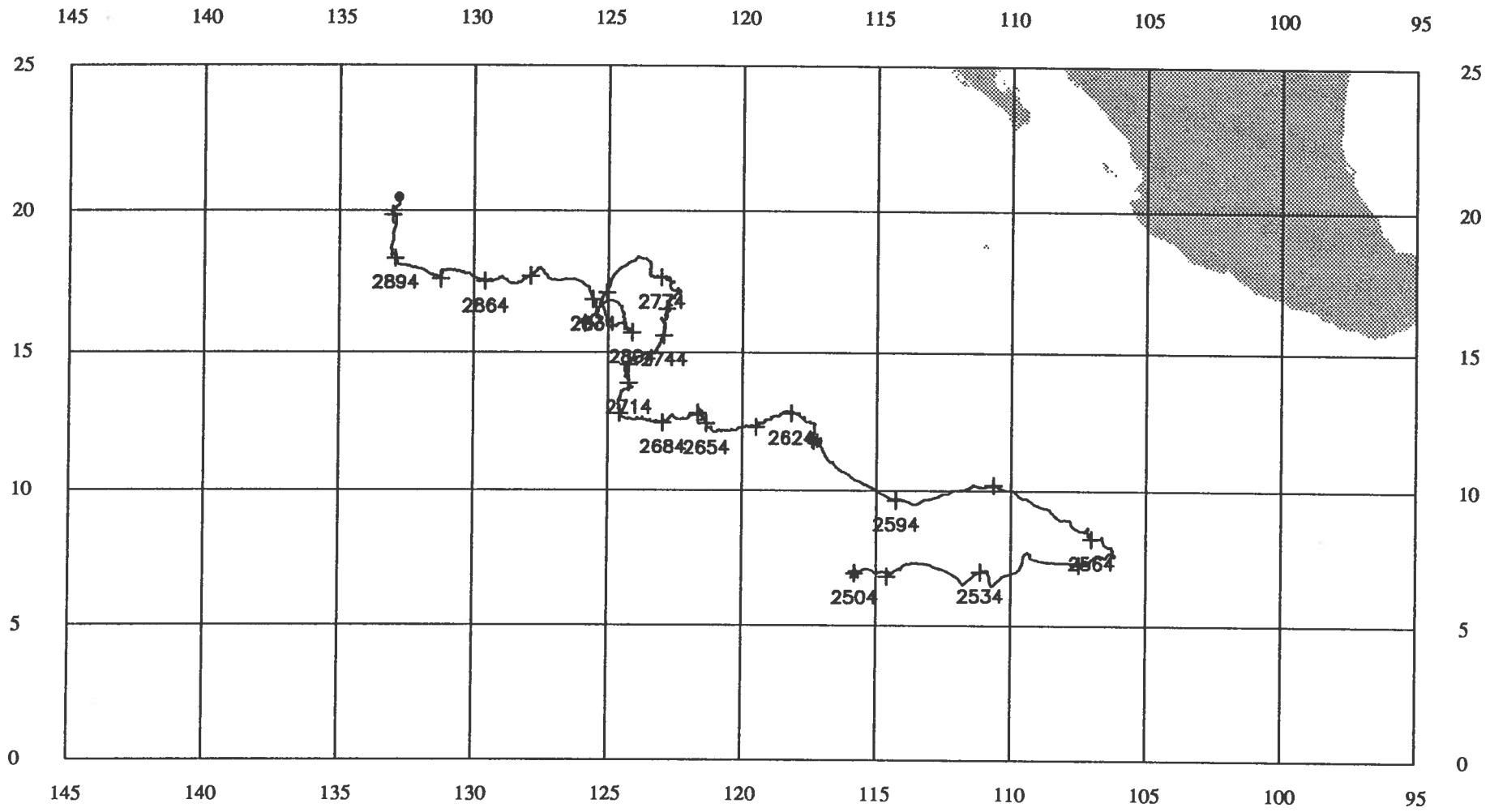
JULIAN DAYS

BUOY 2281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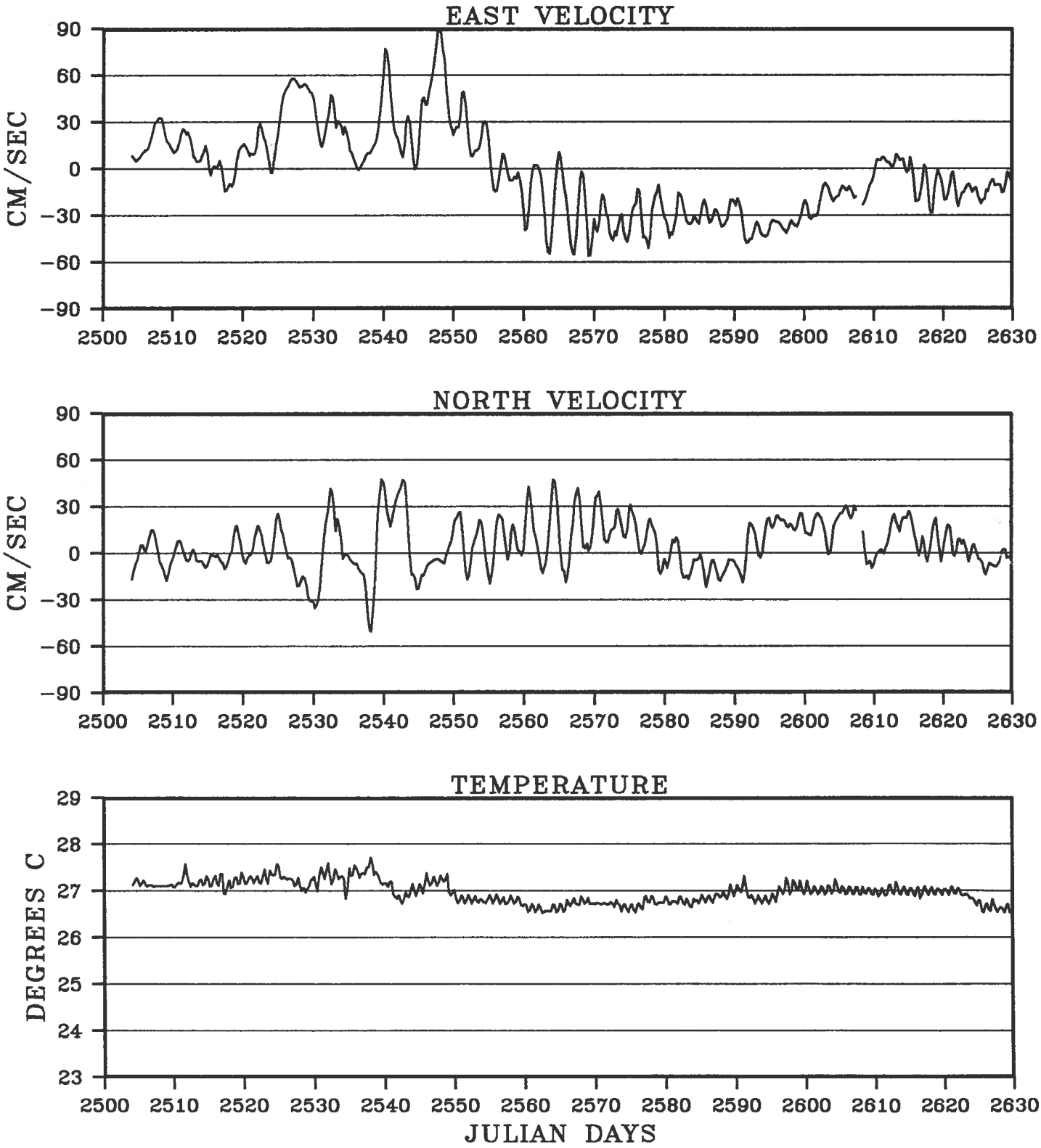
BUOY 2281


EAST VELOCITY
CM/SEC
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-60
-90
2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630
TEMPERATURE
DEGREES C
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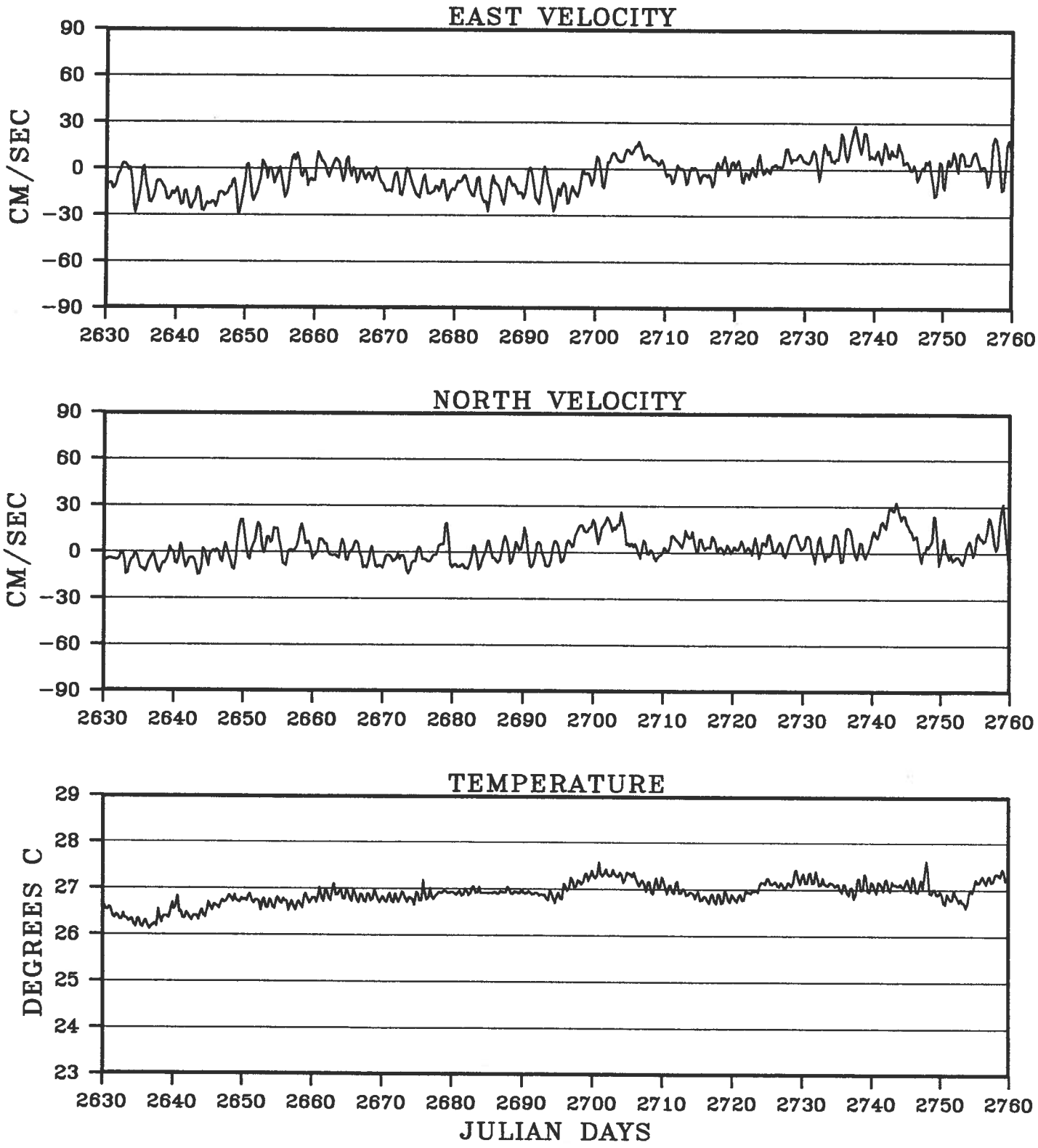
JULIAN DAYS

BUOY 2281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CM/SEC
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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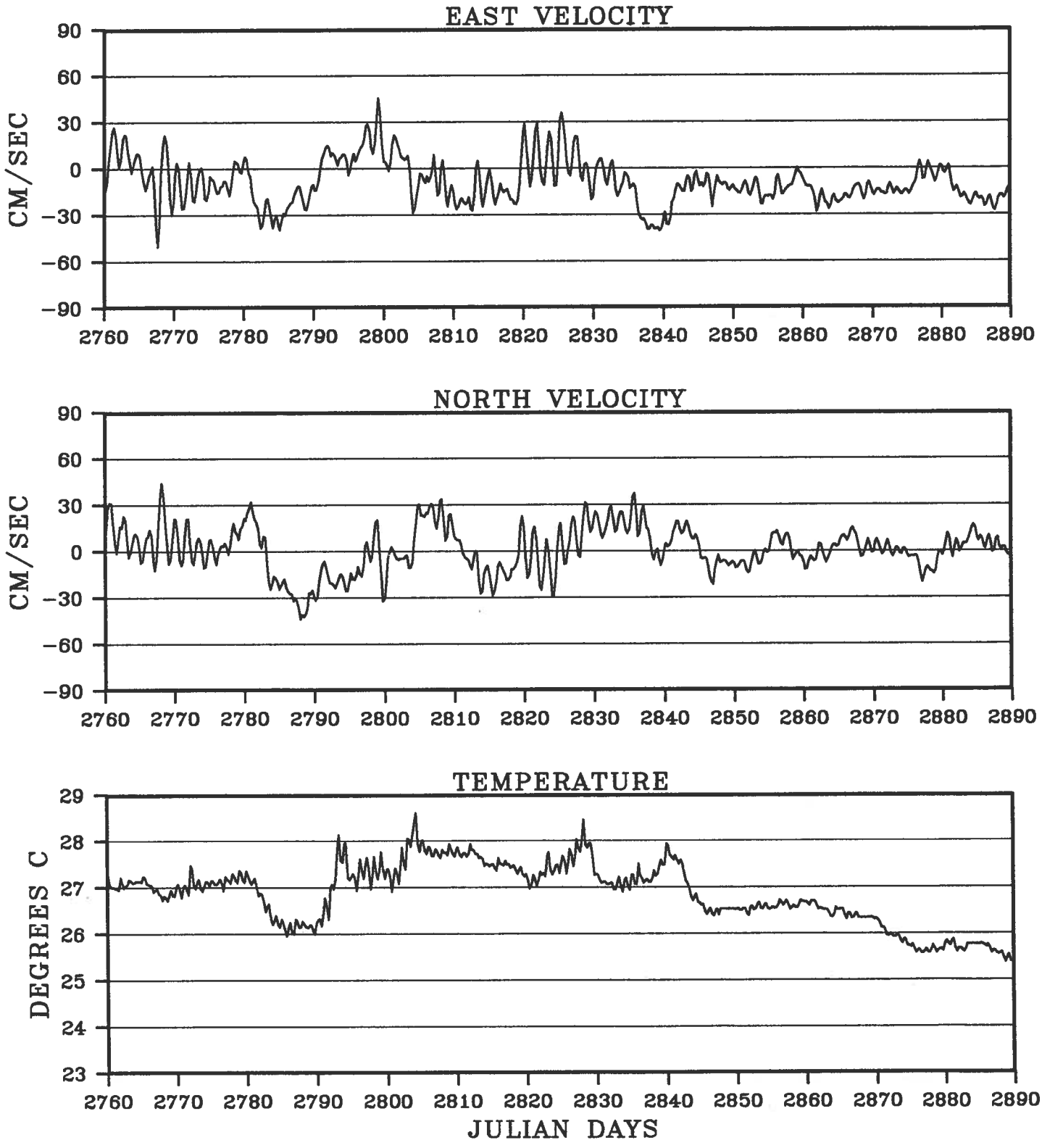
JULIAN DAYS

BUOY 2281


EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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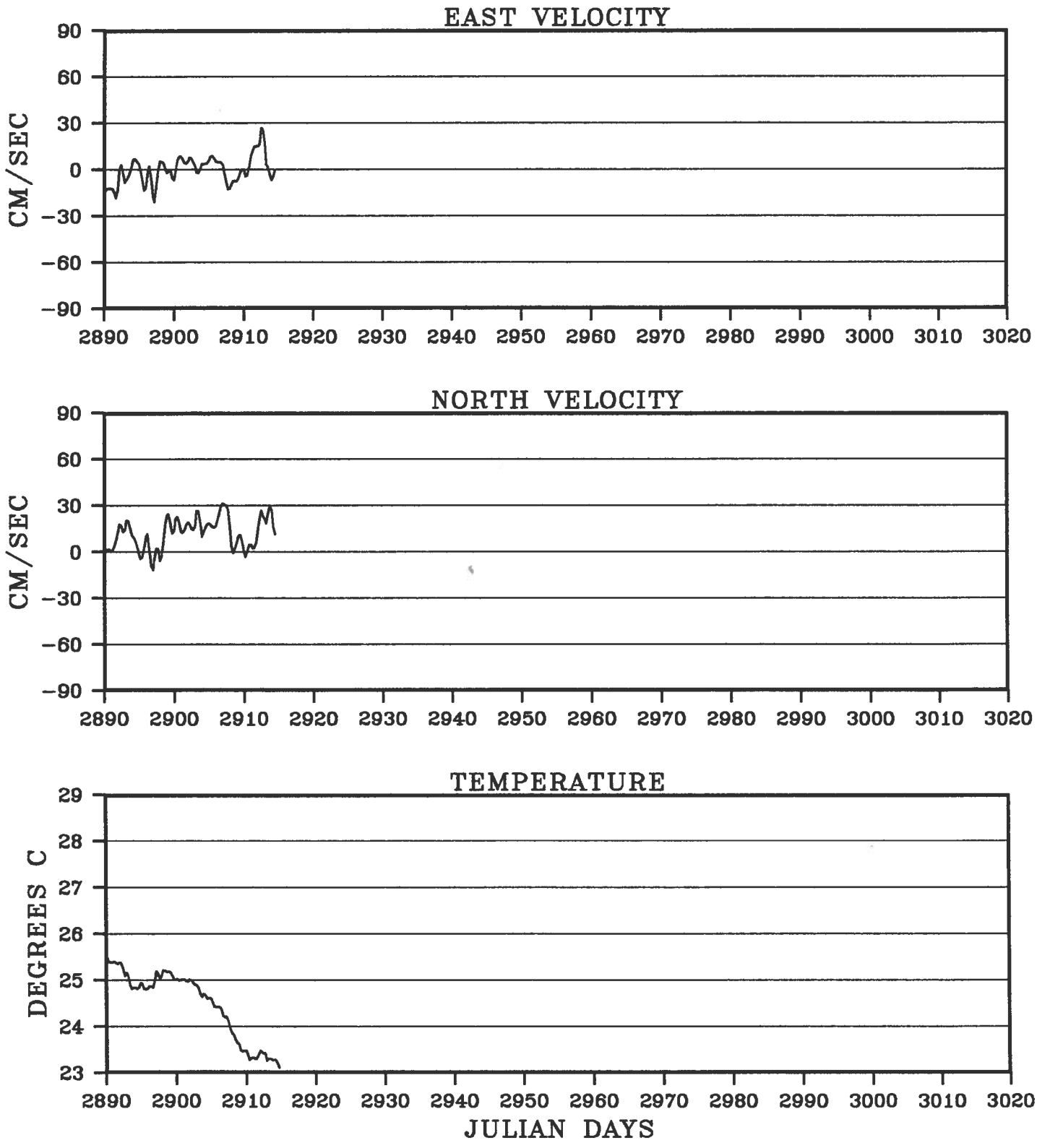
JULIAN DAYS

BUOY 2281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NORTH VELOCITY
CM/SEC
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-60
-90
2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020
TEMPERATURE
DEGREES C
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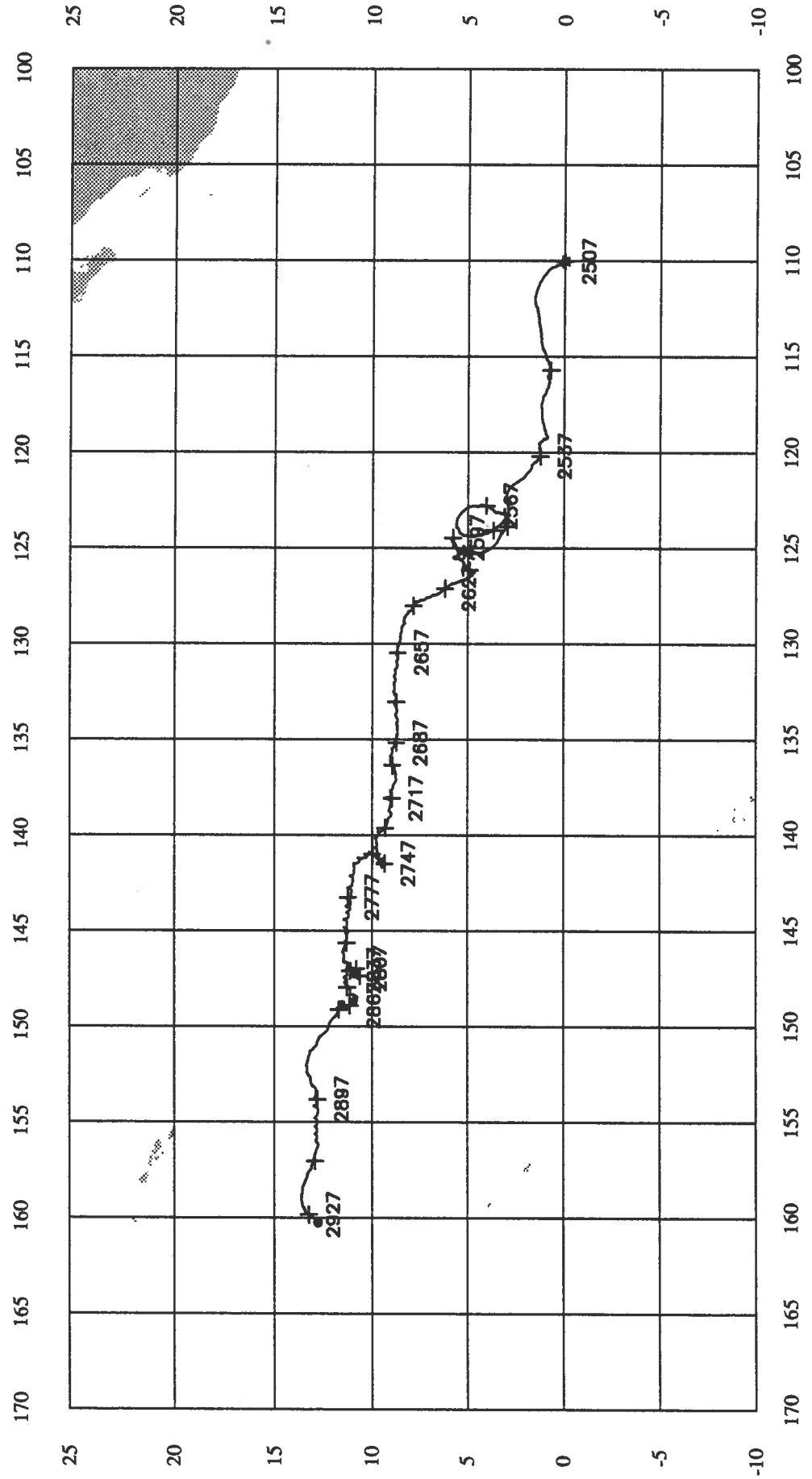
JULIAN DAYS

BUOY 2282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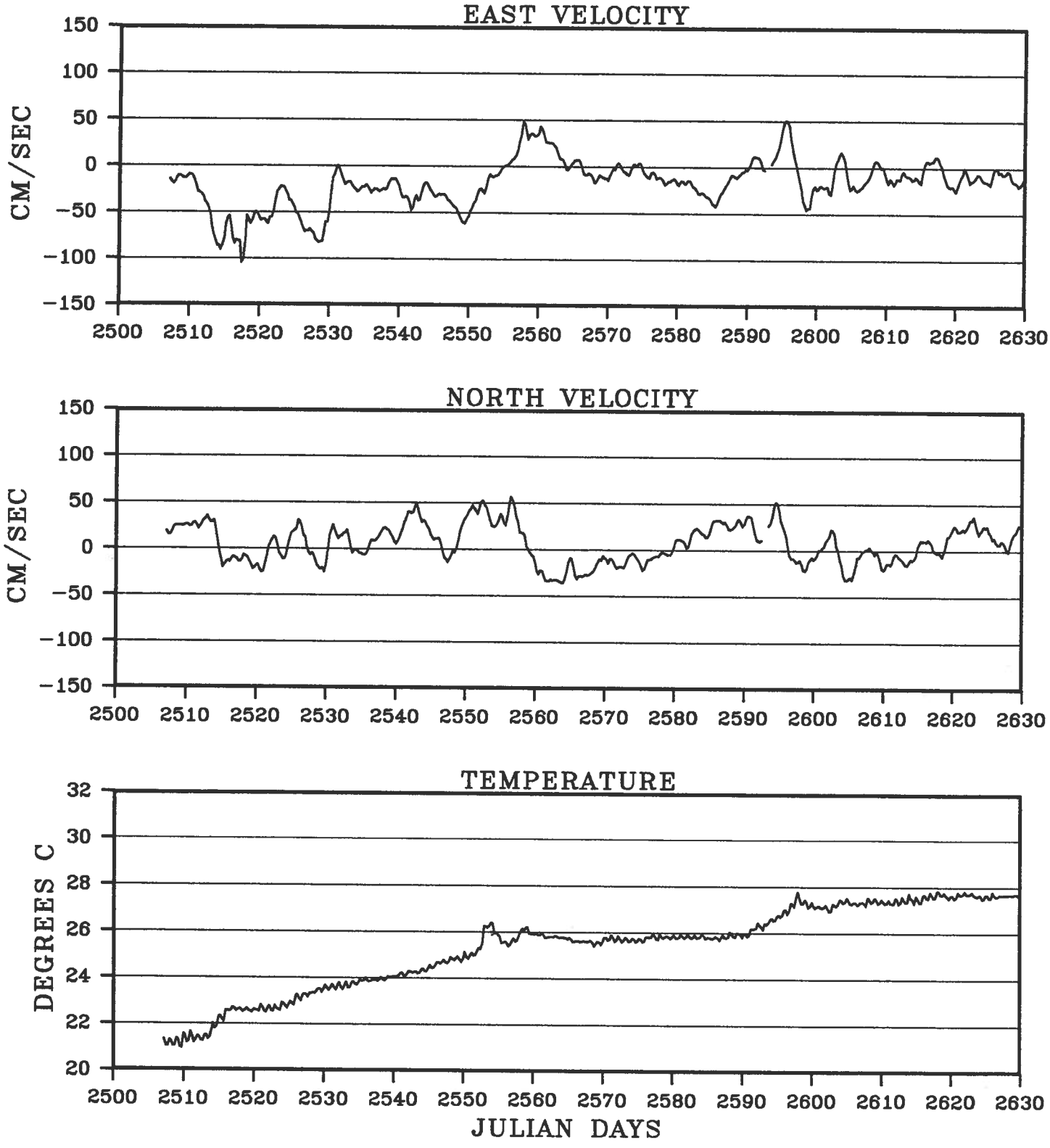
2927

BUOY 2282


EAST VELOCITY
CM/SEC
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2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630
NORTH VELOCITY
CM/SEC
150
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50
0
−50
−100
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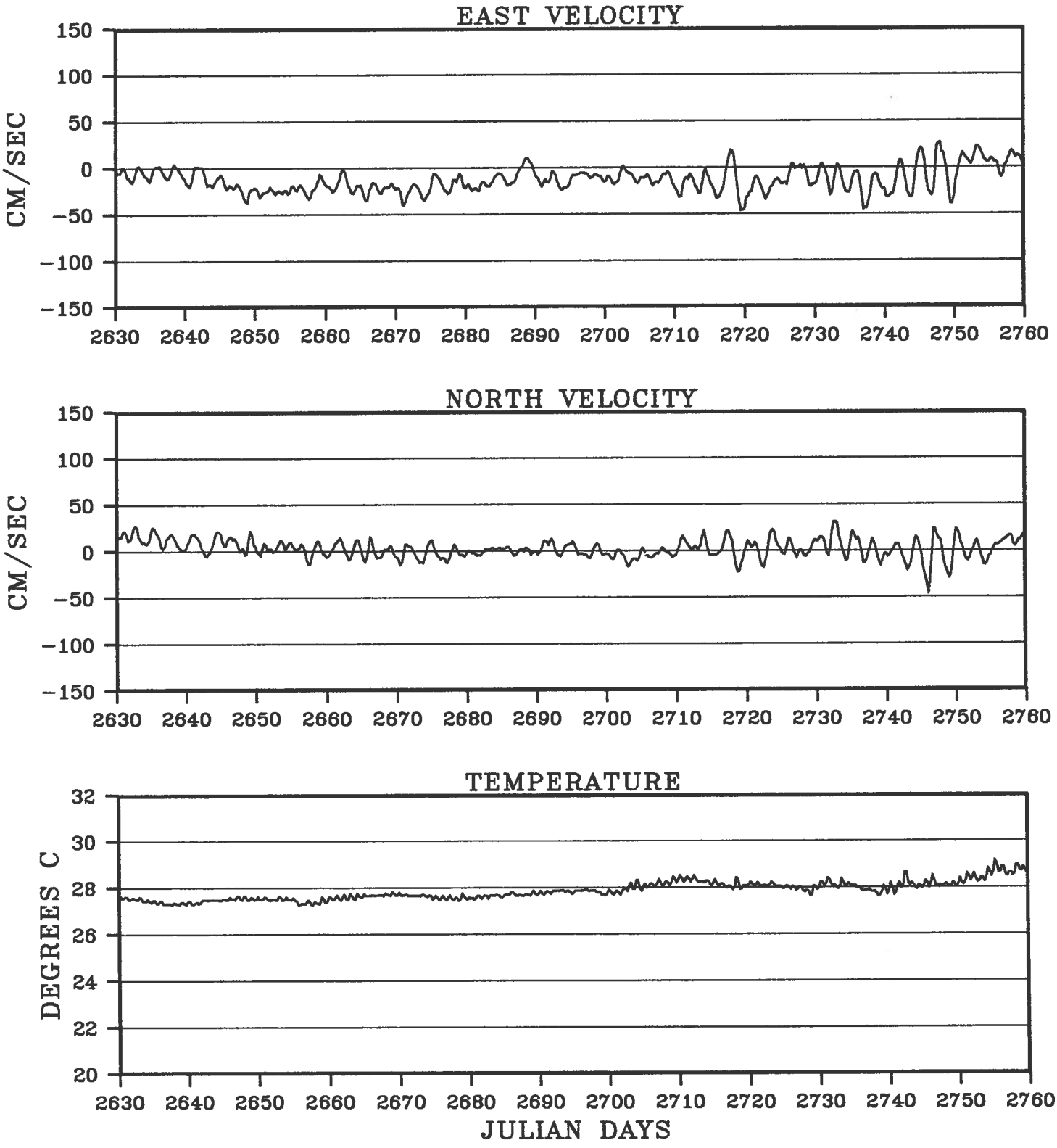
2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630
TEMPERATURE
DEGREES C
32
30
28
26
24
22
20
2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630
JULIAN DAYS

BUOY 2282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CM/SEC
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NORTH VELOCITY
CM/SEC
150
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−150
2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760
TEMPERATURE
DEGREES C
32
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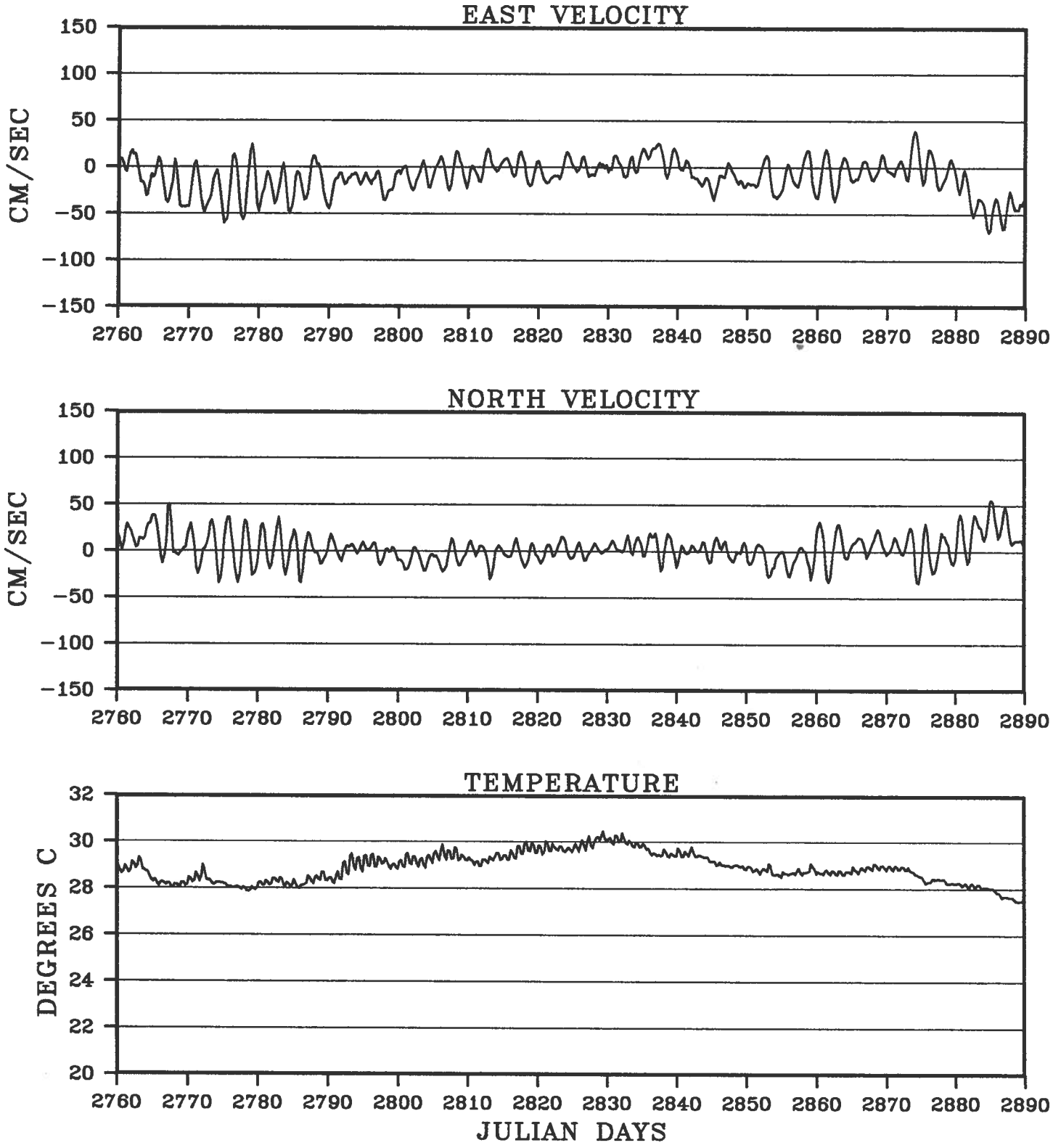
JULIAN DAYS

BUOY 2282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CM/SEC
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
32
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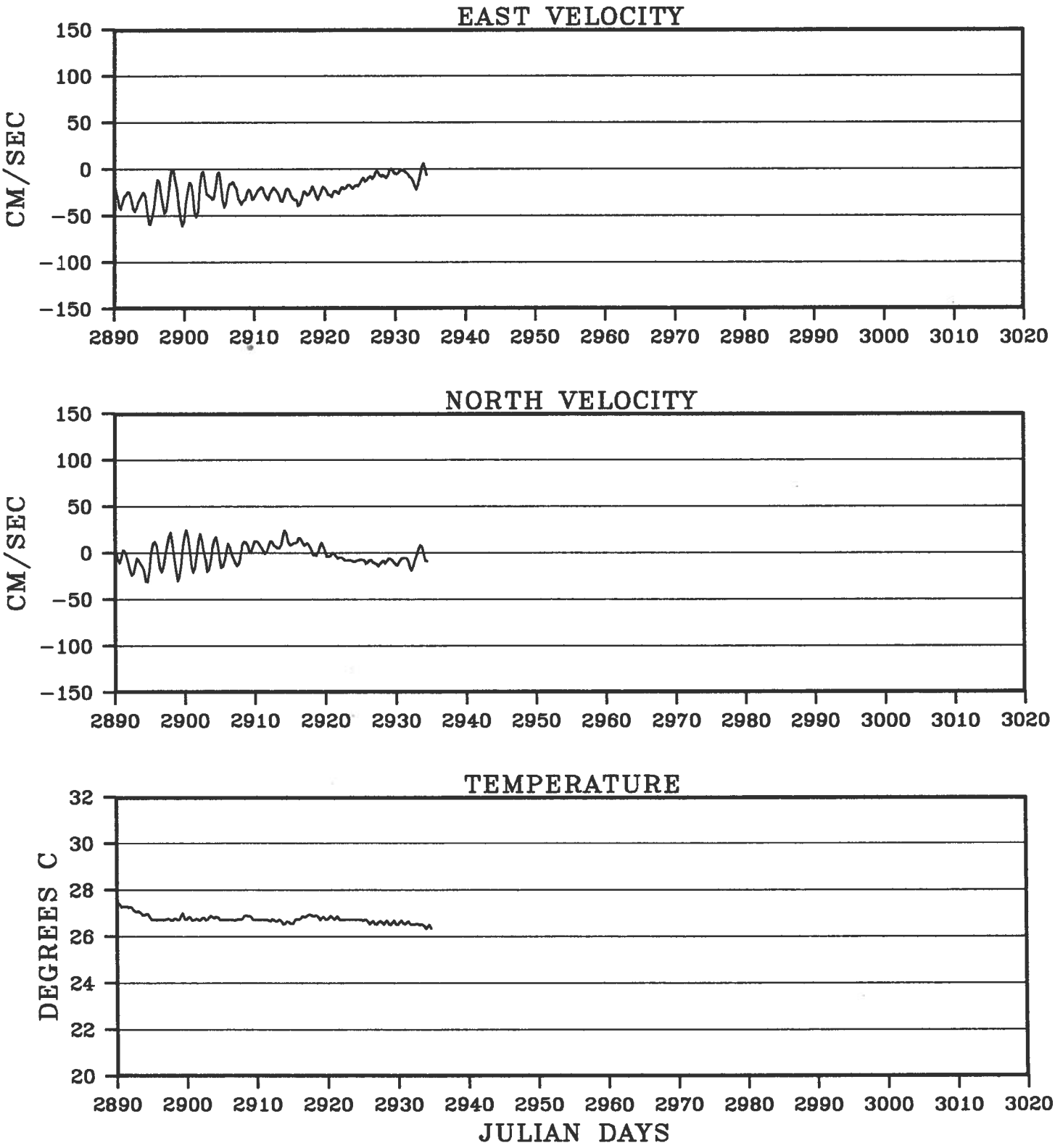
JULIAN DAYS

BUOY 2282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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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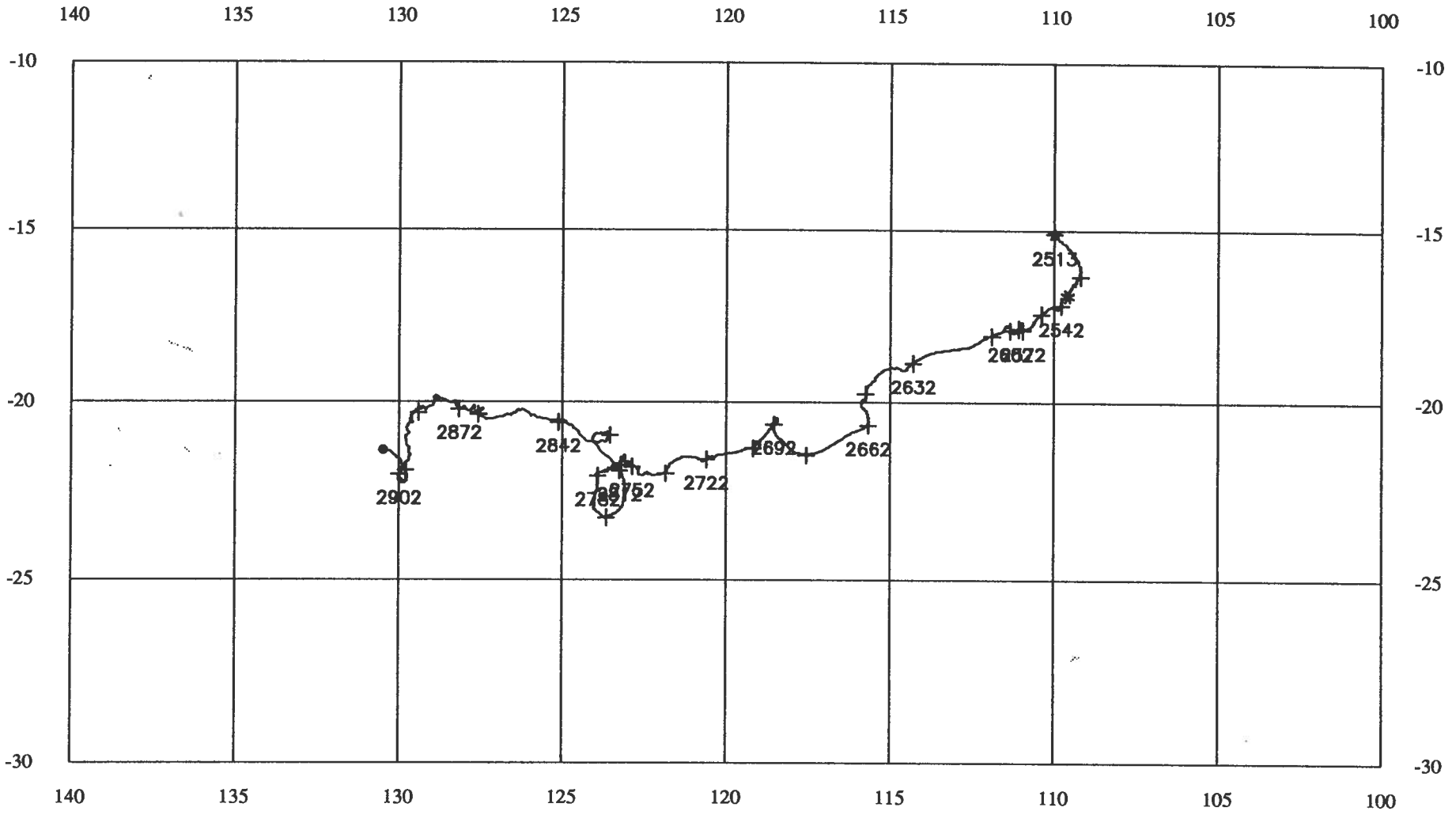
JULIAN DAYS

BUOY 2283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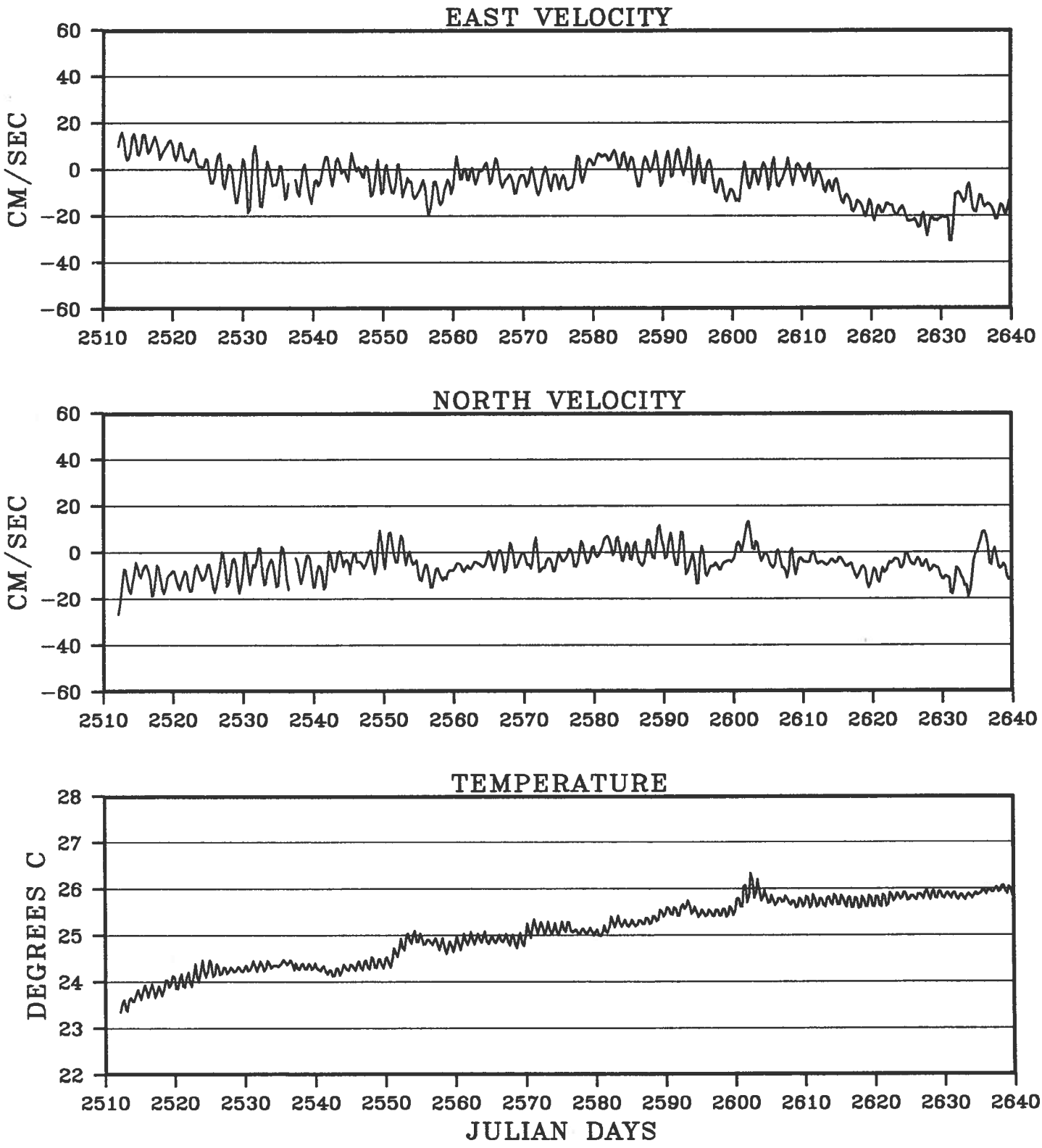
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CM/SEC
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2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640
NORTH VELOCITY
CM/SEC
60
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-20
-40
-60
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640
TEMPERATURE
DEGREES C
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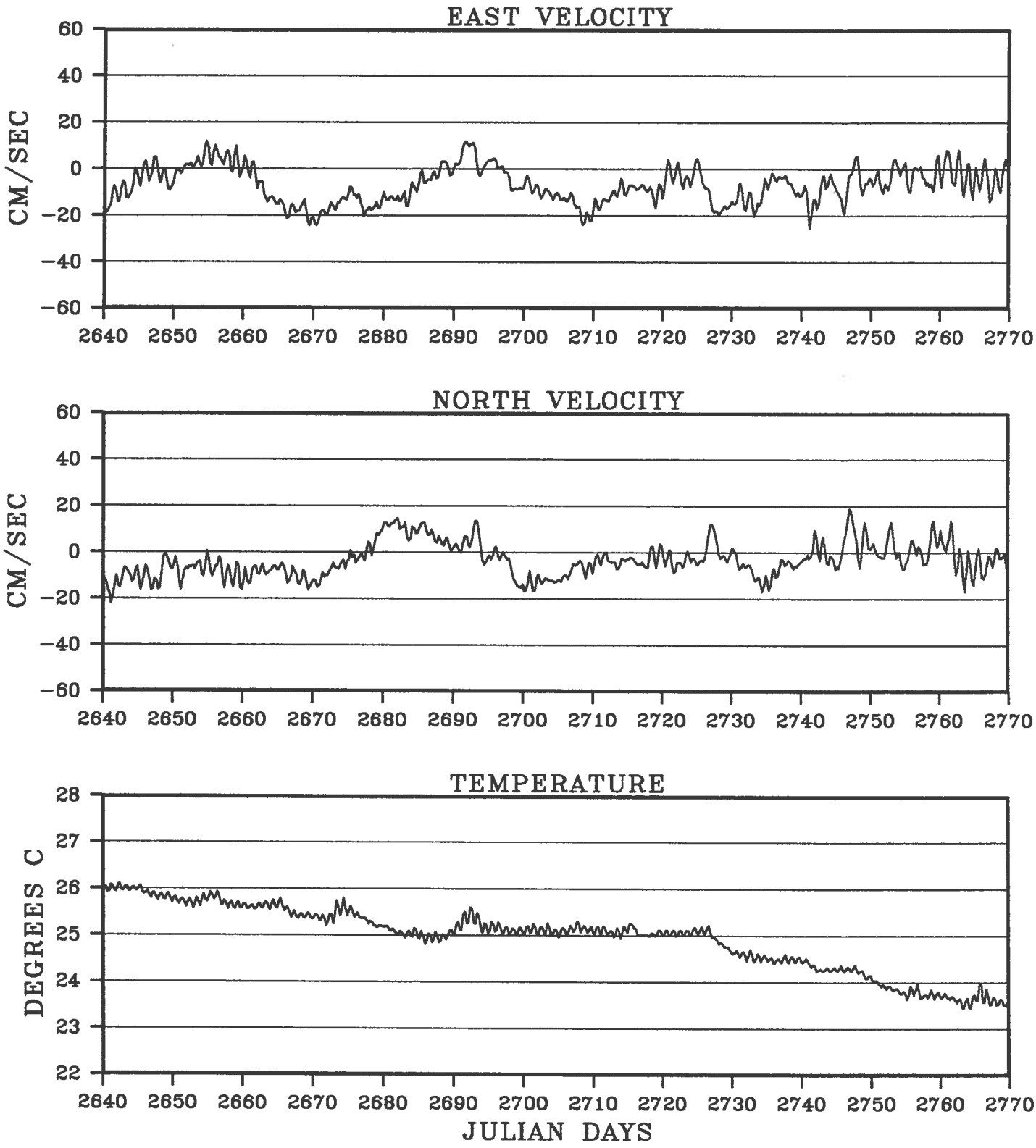
JULIAN DAYS

BUOY 2283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NORTH VELOCITY
CM/SEC
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-20
-40
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2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770
TEMPERATURE
DEGREES C
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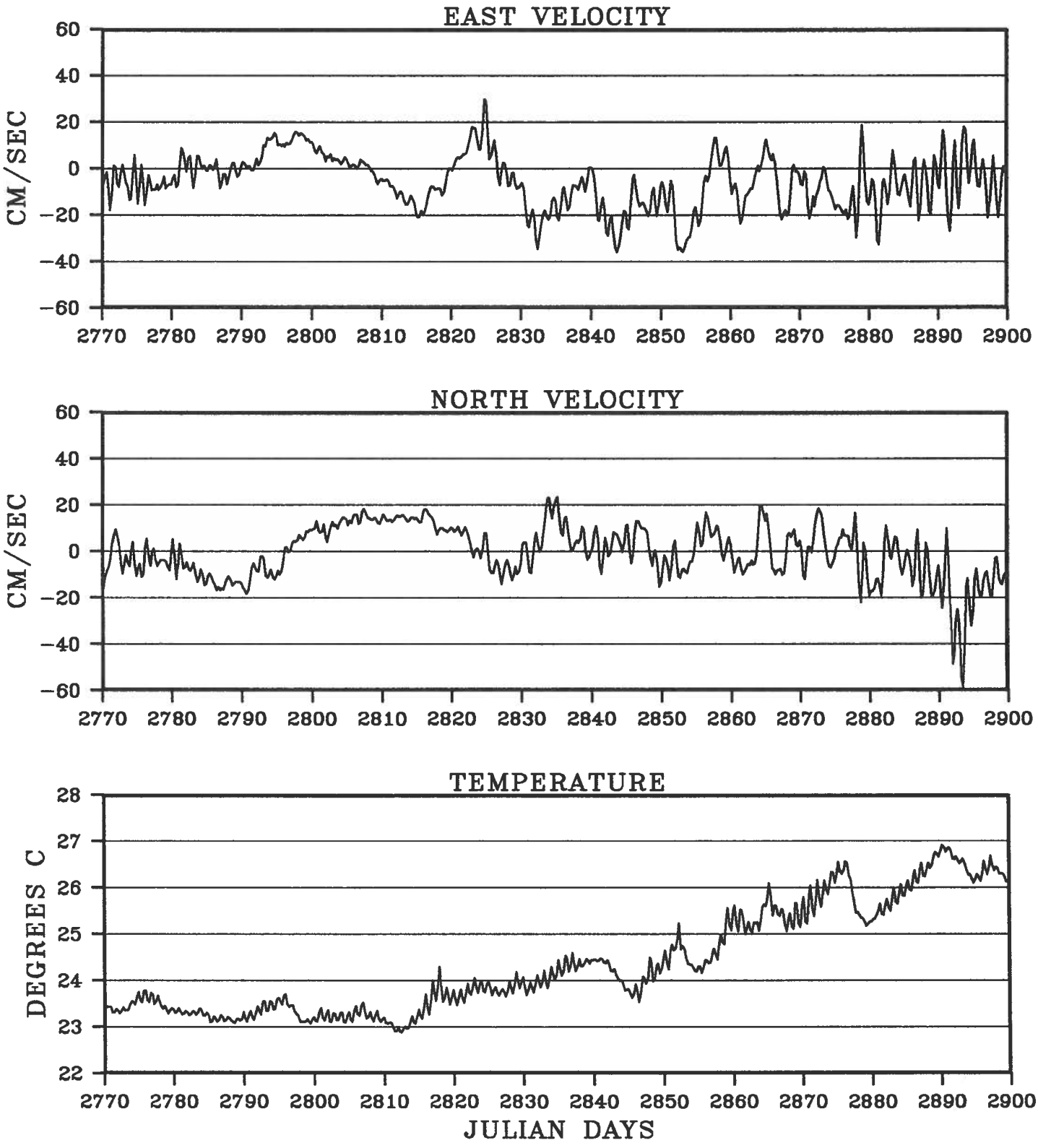
JULIAN DAYS

BUOY 2283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NORTH VELOCITY
CM/SEC
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2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900
TEMPERATURE
DEGREES C
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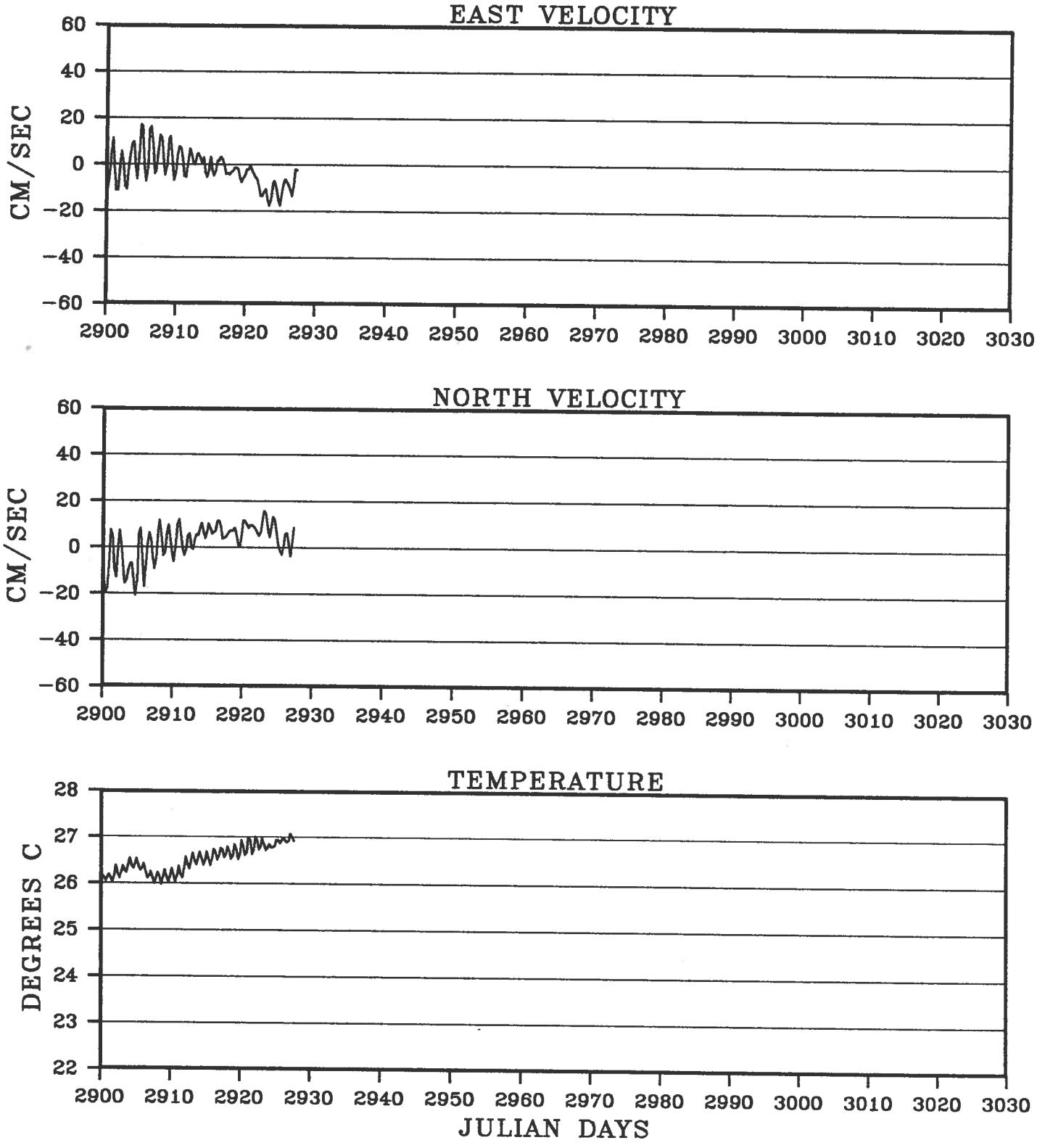
JULIAN DAYS

BUOY 2283


EAST VELOCITY
CM/SEC
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2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030
NORTH VELOCITY
CM/SEC
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TEMPERATURE
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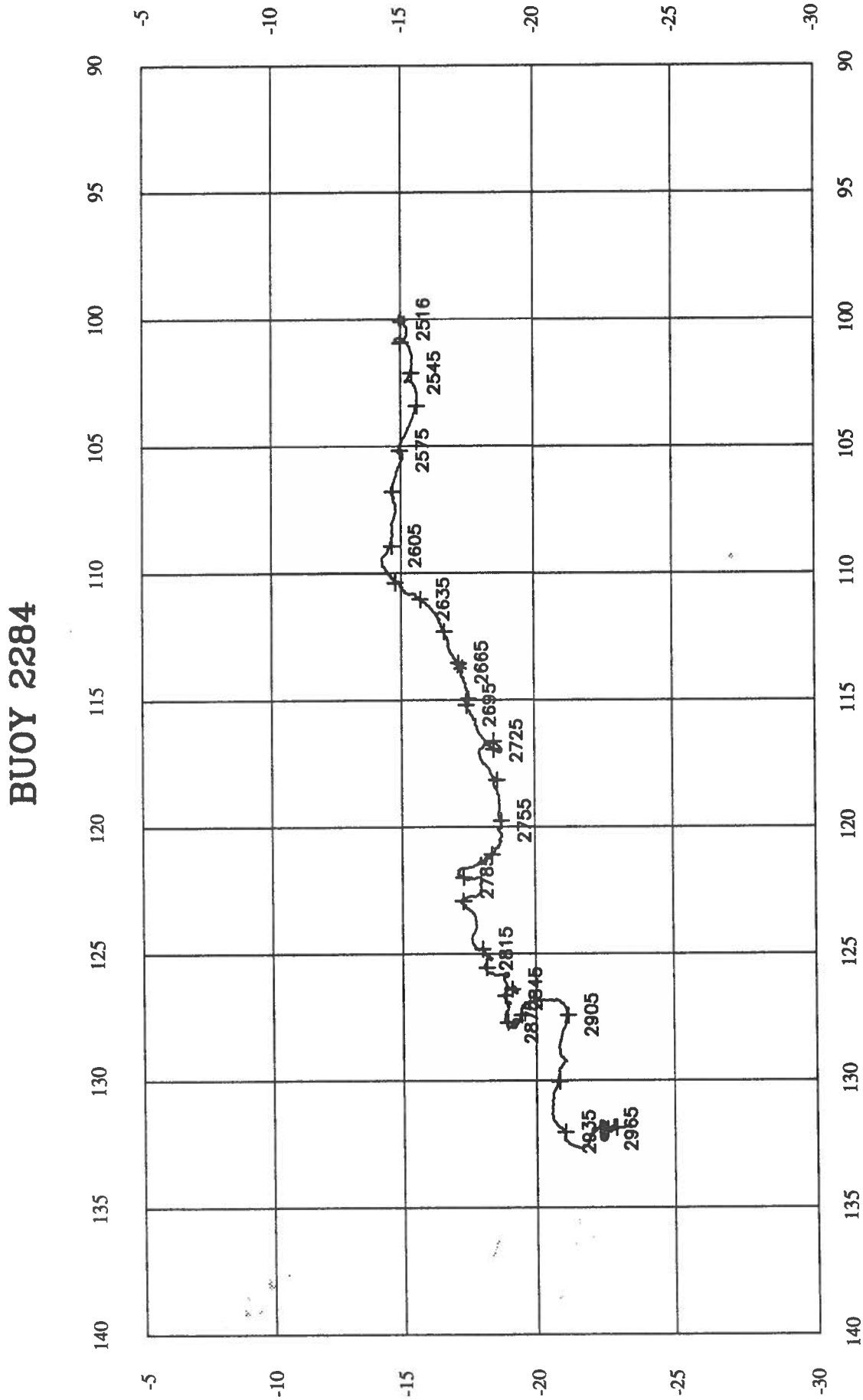
JULIAN DAYS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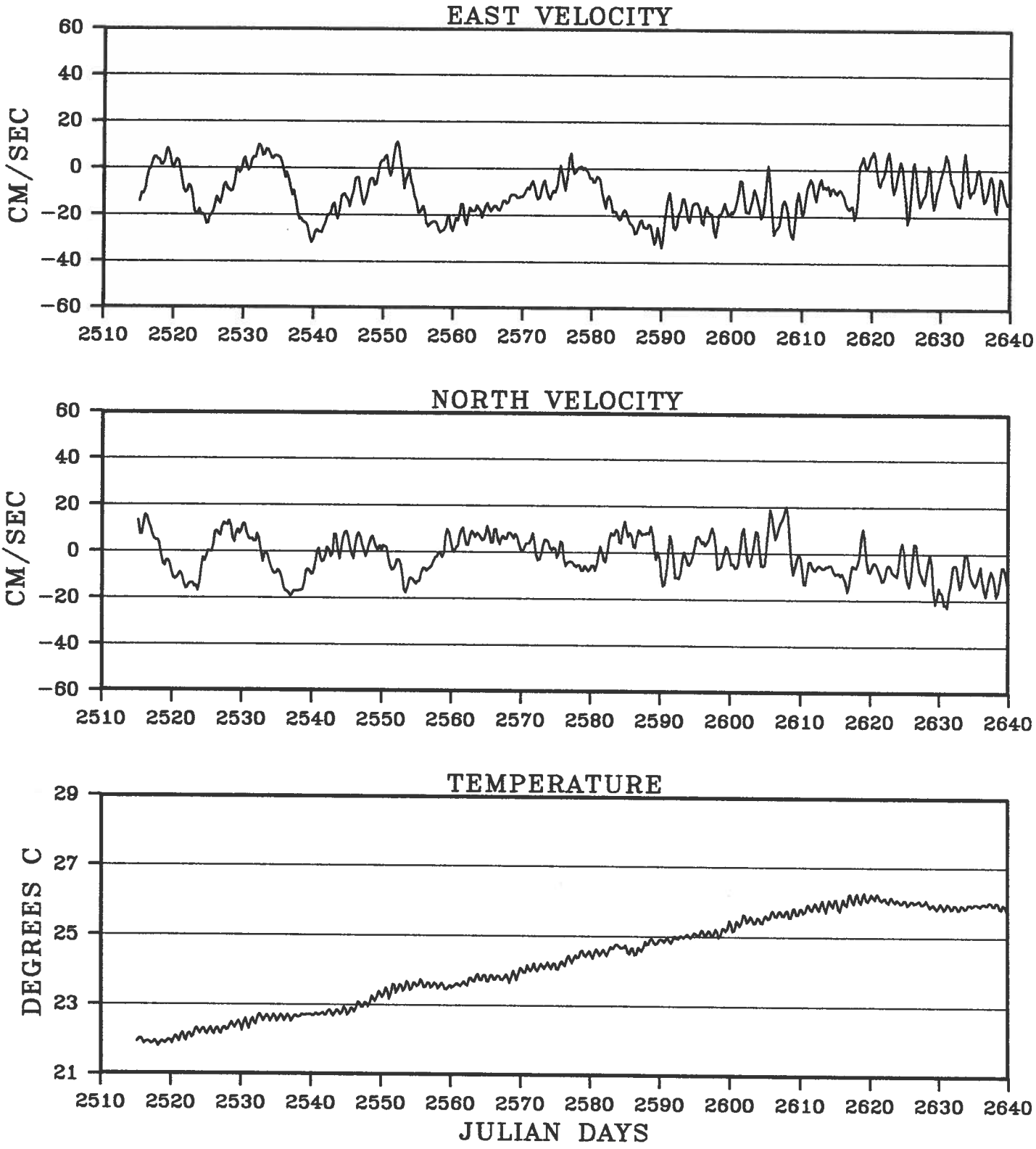
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CM/SEC
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NORTH VELOCITY
CM/SEC
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-20
-40
-60
2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640
TEMPERATURE
DEGREES C
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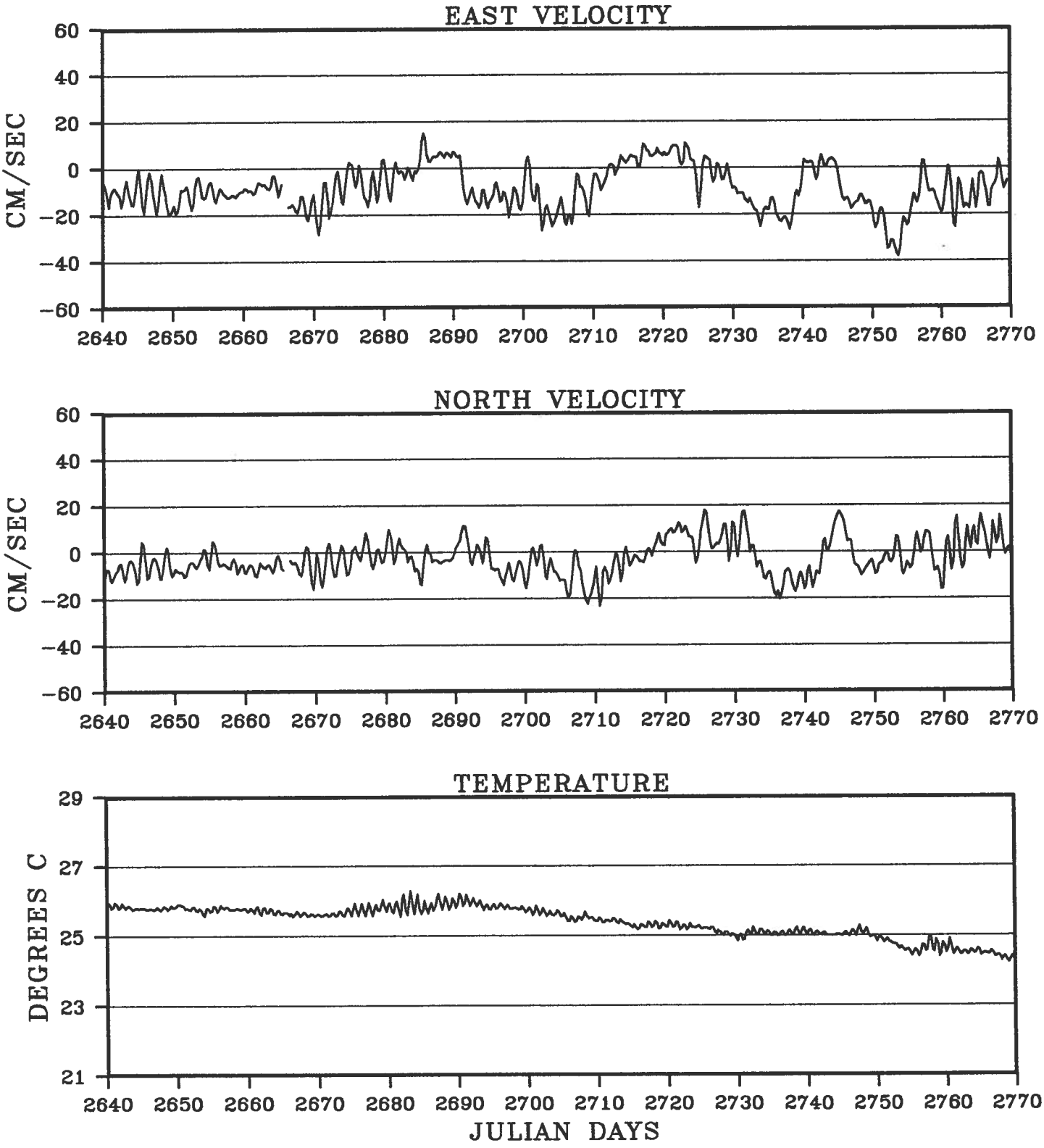
JULIAN DAYS

BUOY 2284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NORTH VELOCITY
CM/SEC
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-40
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2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770
TEMPERATURE
DEGREES C
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JULIAN DAYS

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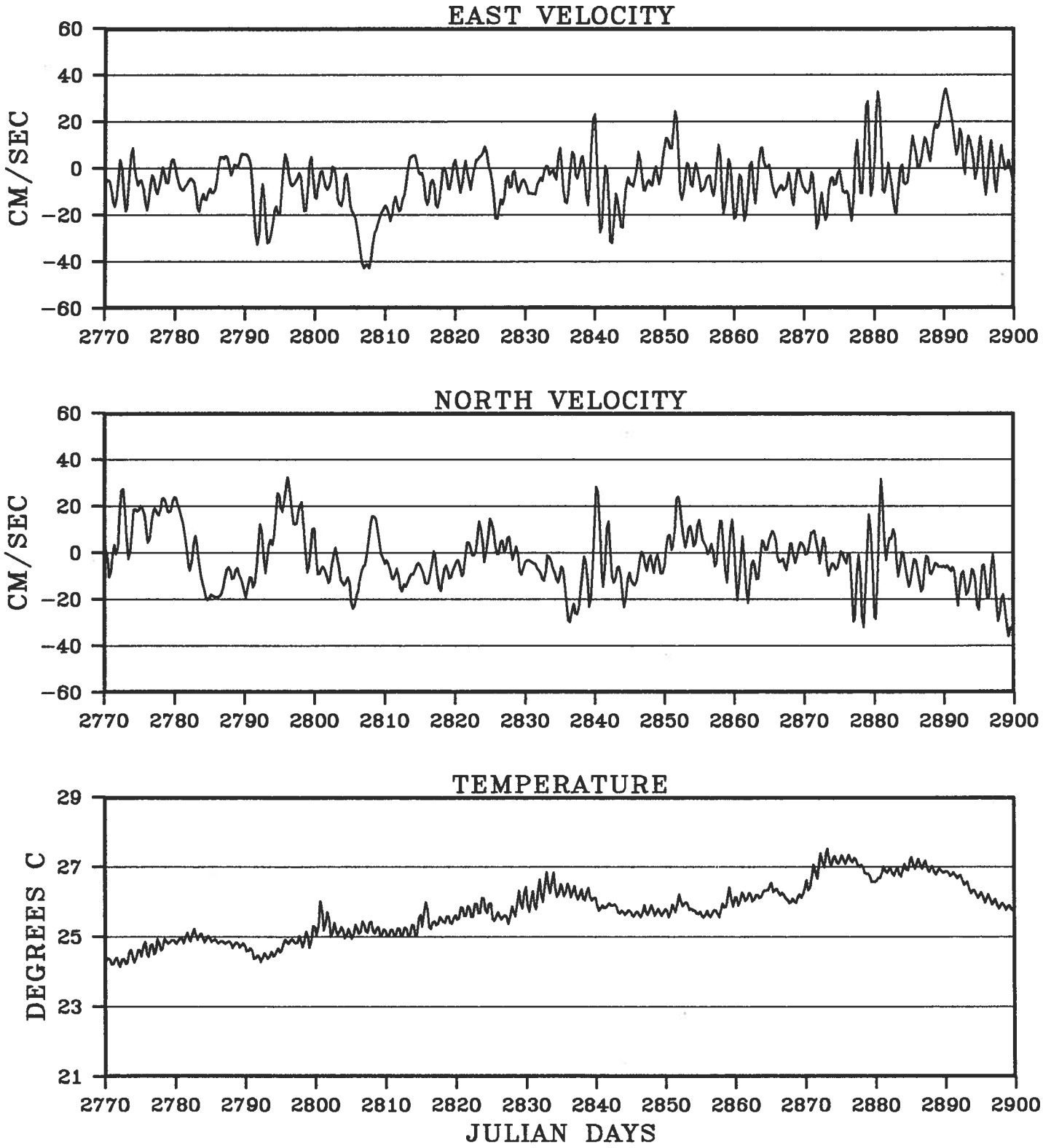
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NORTH VELOCITY
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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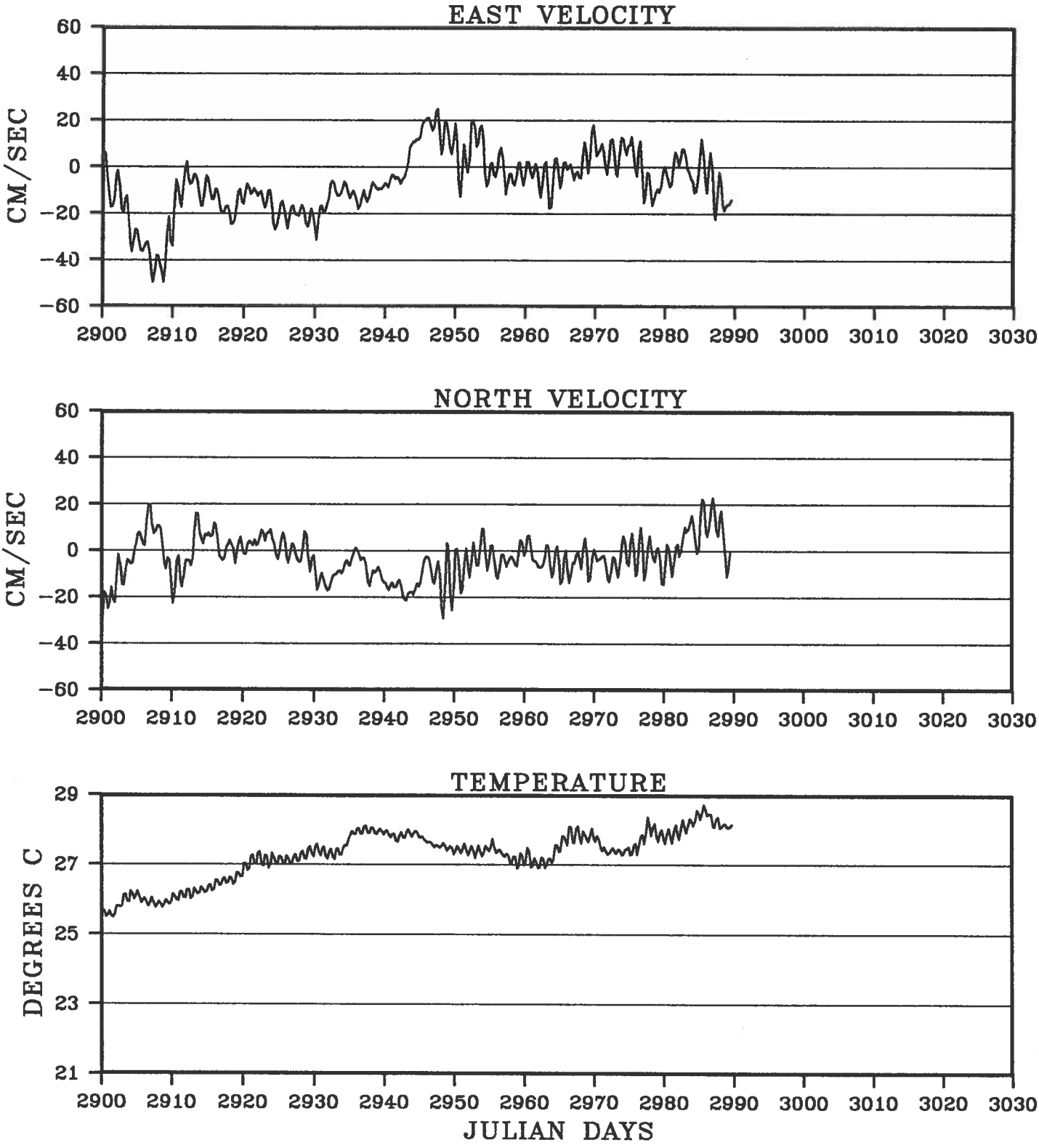
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NORTH VELOCITY
CM/SEC
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2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030
TEMPERATURE
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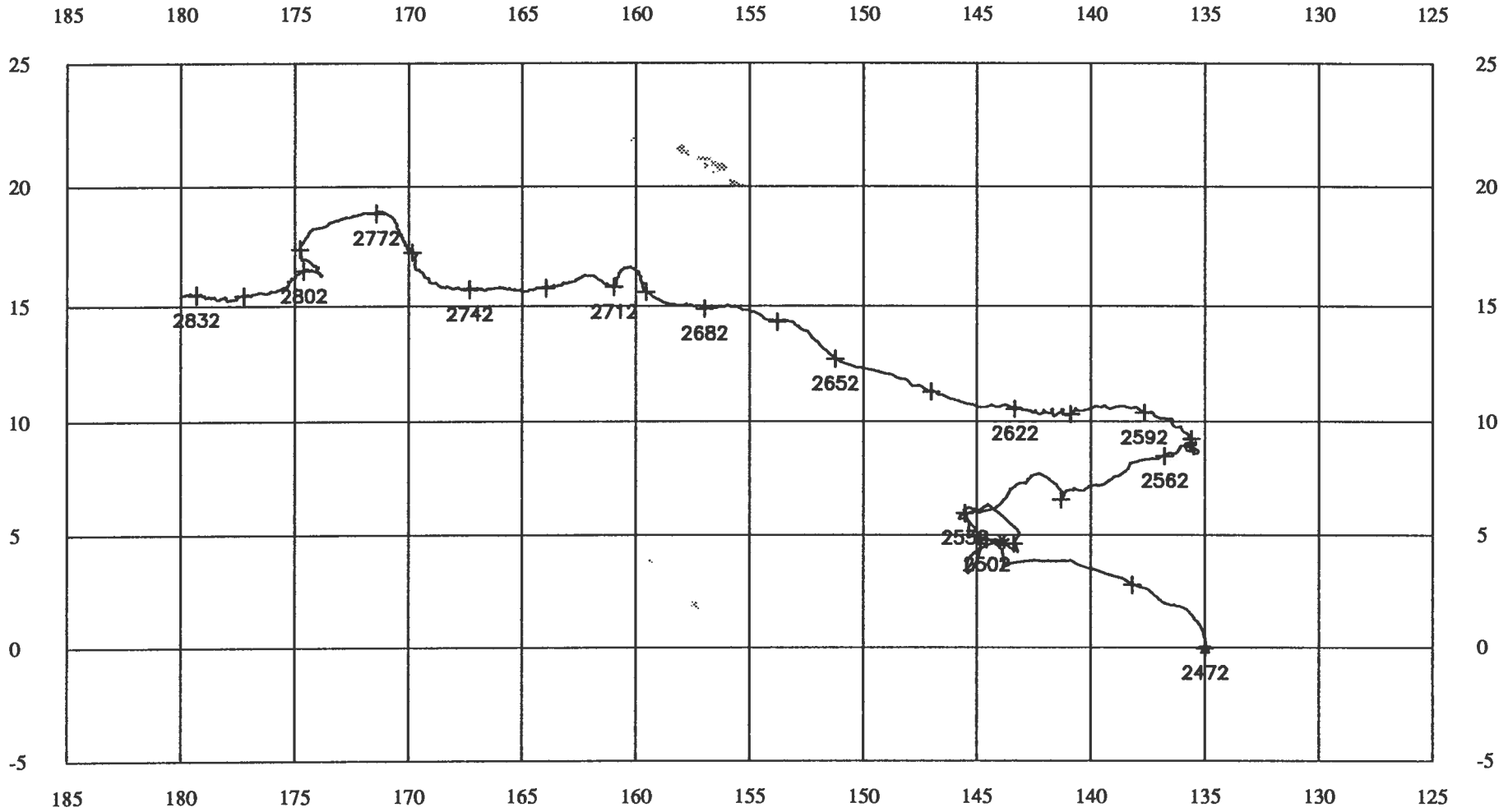
JULIAN DAYS

BUOY 2285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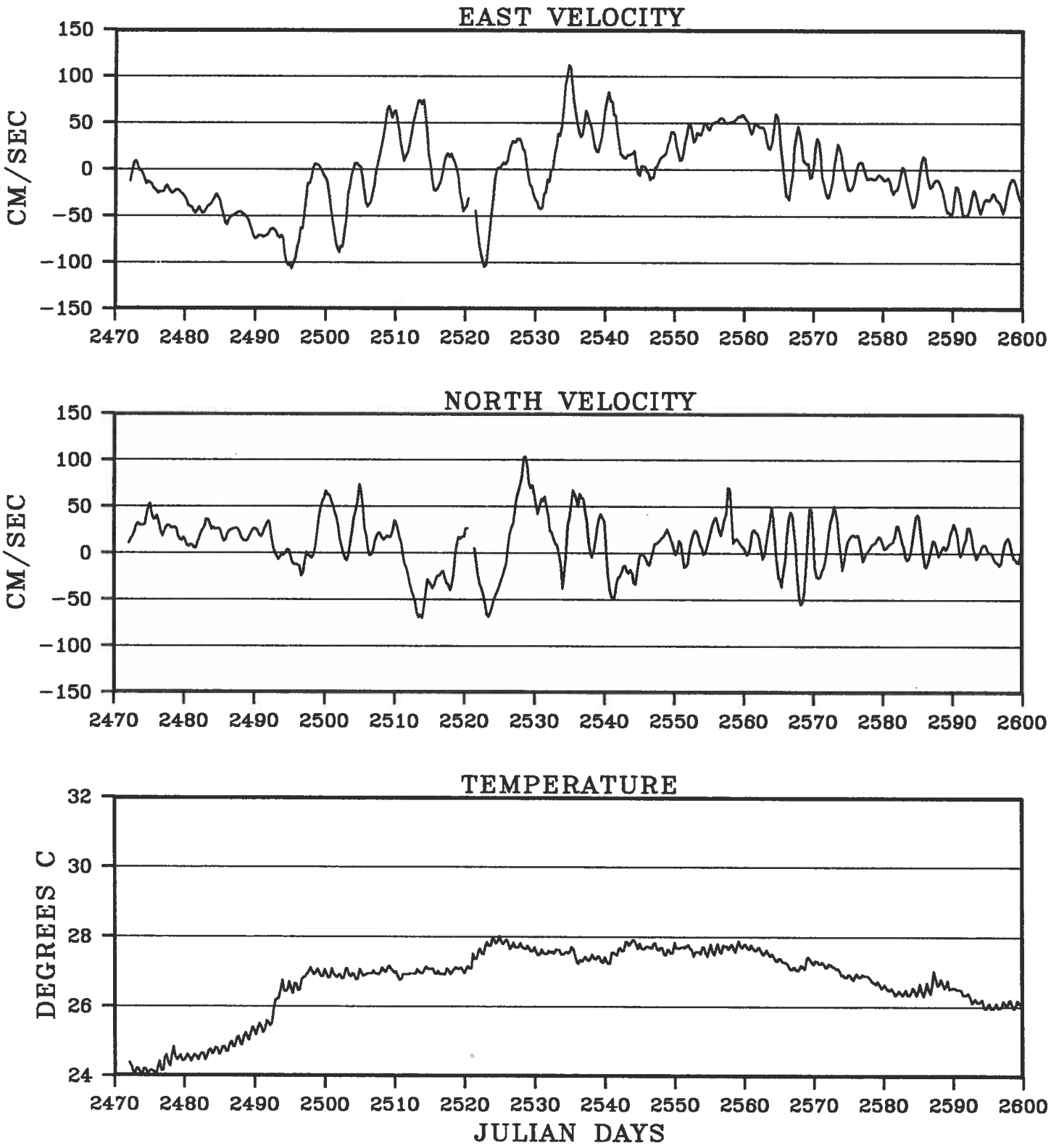
BUOY 2285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CM/SEC
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2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
NORTH VELOCITY
CM/SEC
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50
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−50
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−150
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
TEMPERATURE
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JULIAN DAYS

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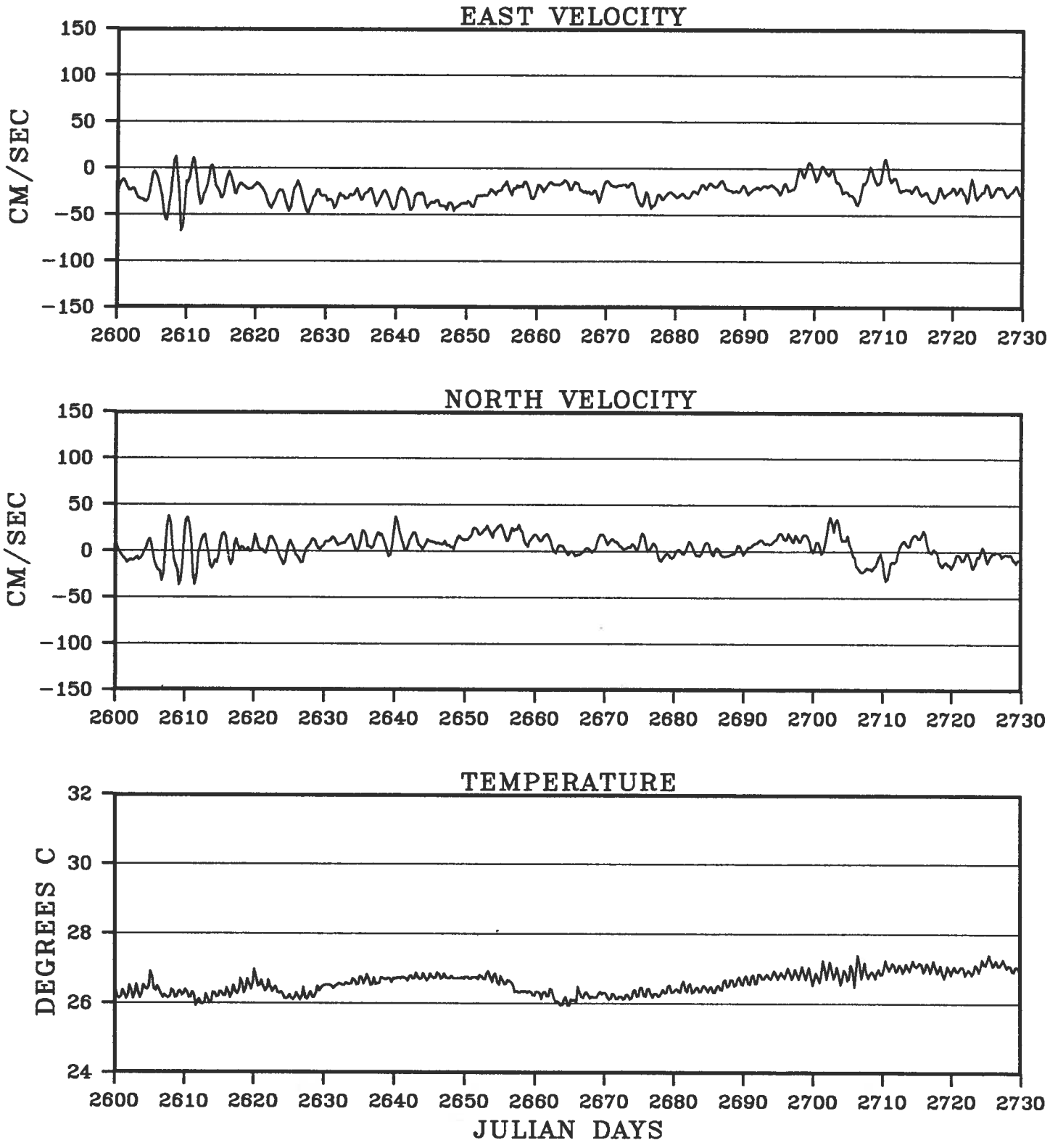
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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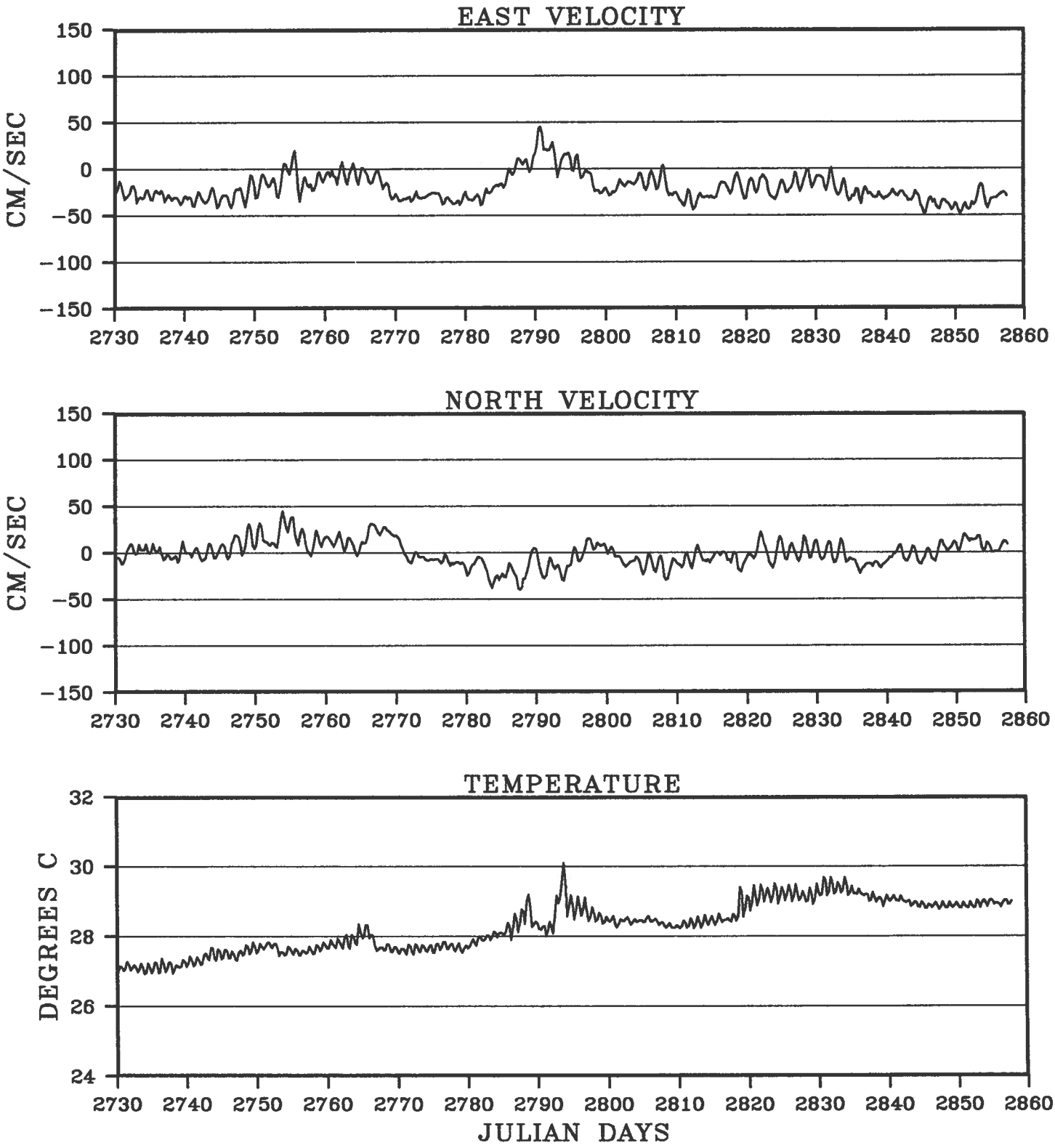
JULIAN DAYS

BUOY 2285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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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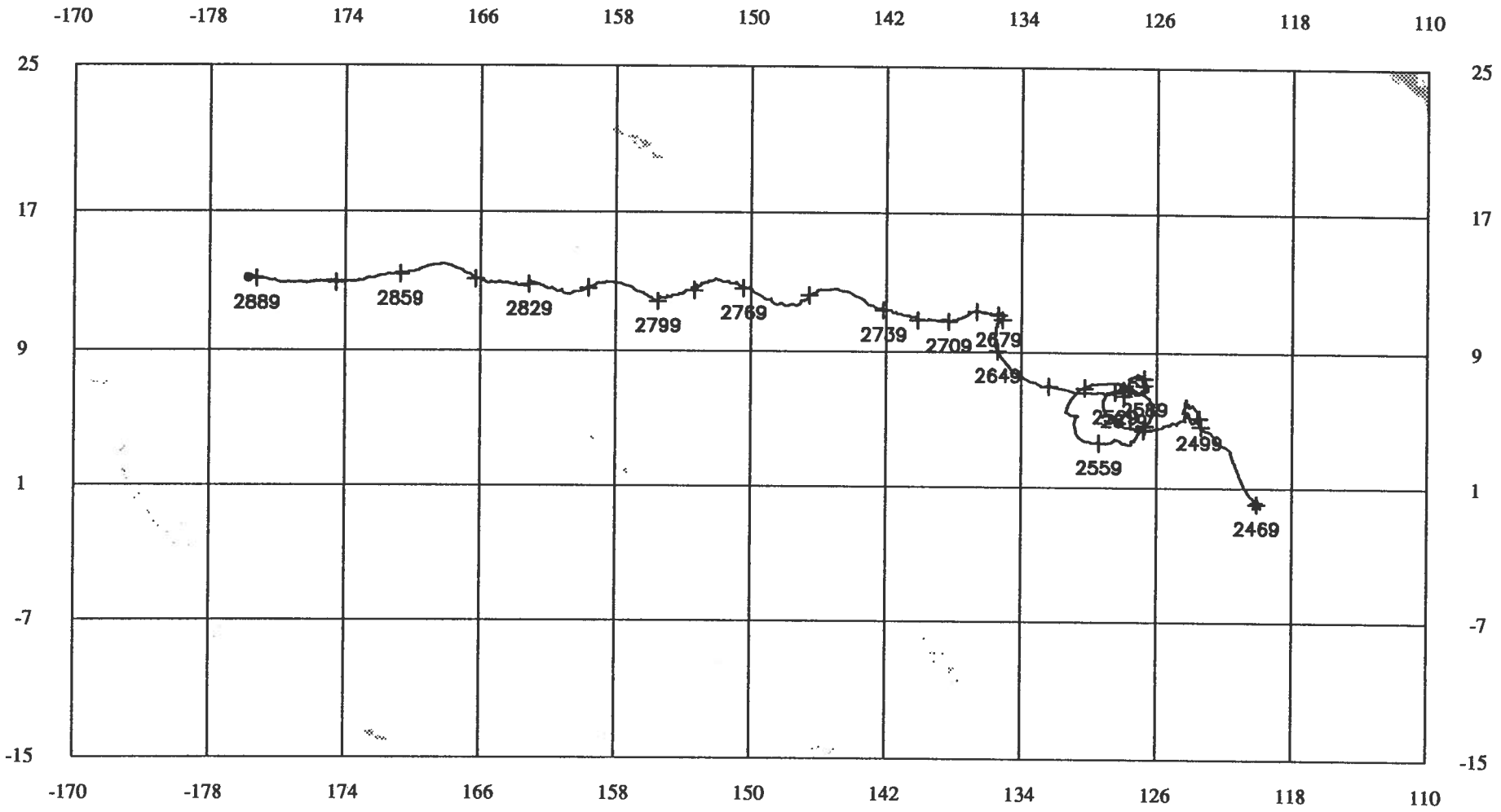
JULIAN DAYS

BUOY 2286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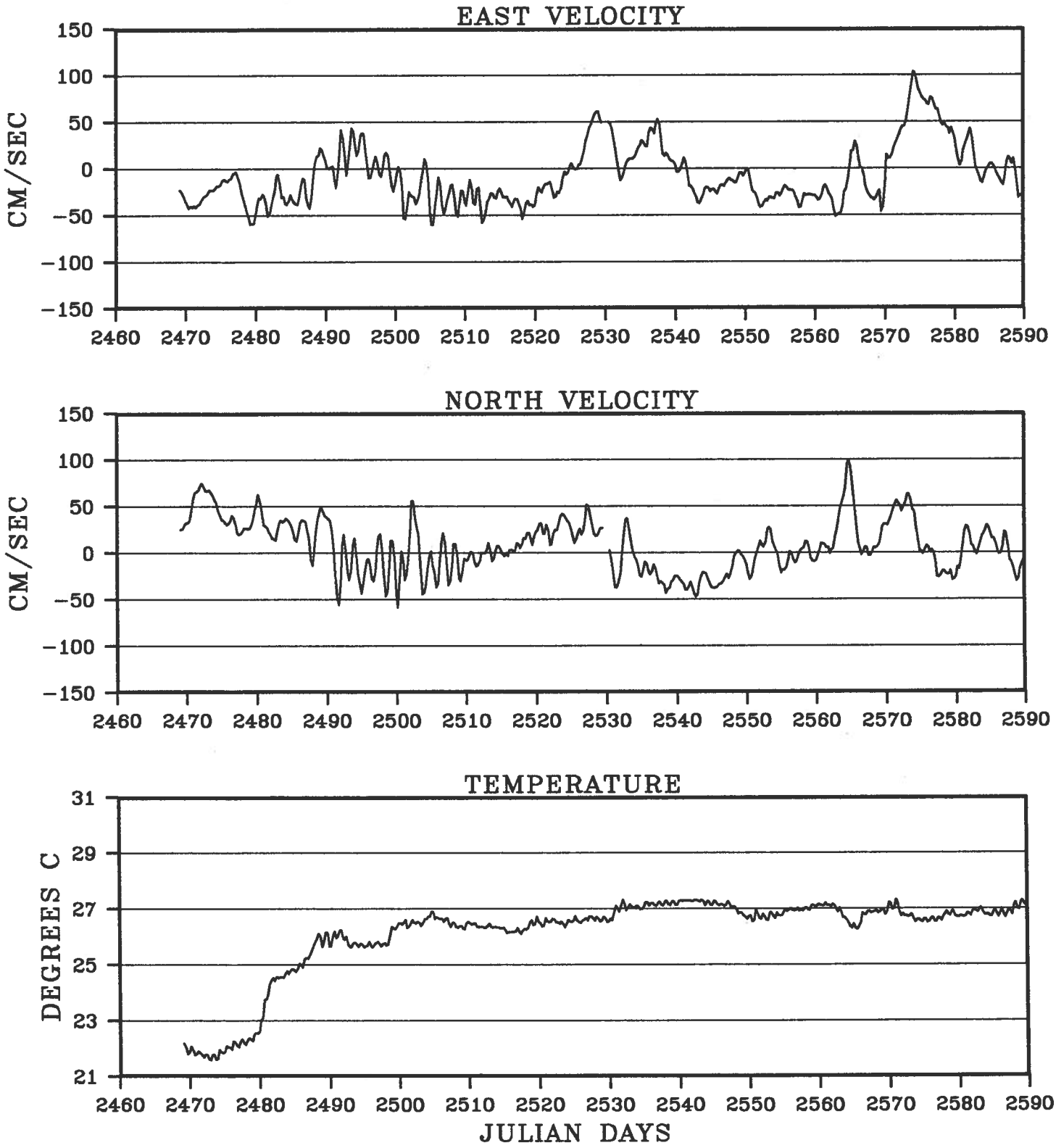
BUOY 2286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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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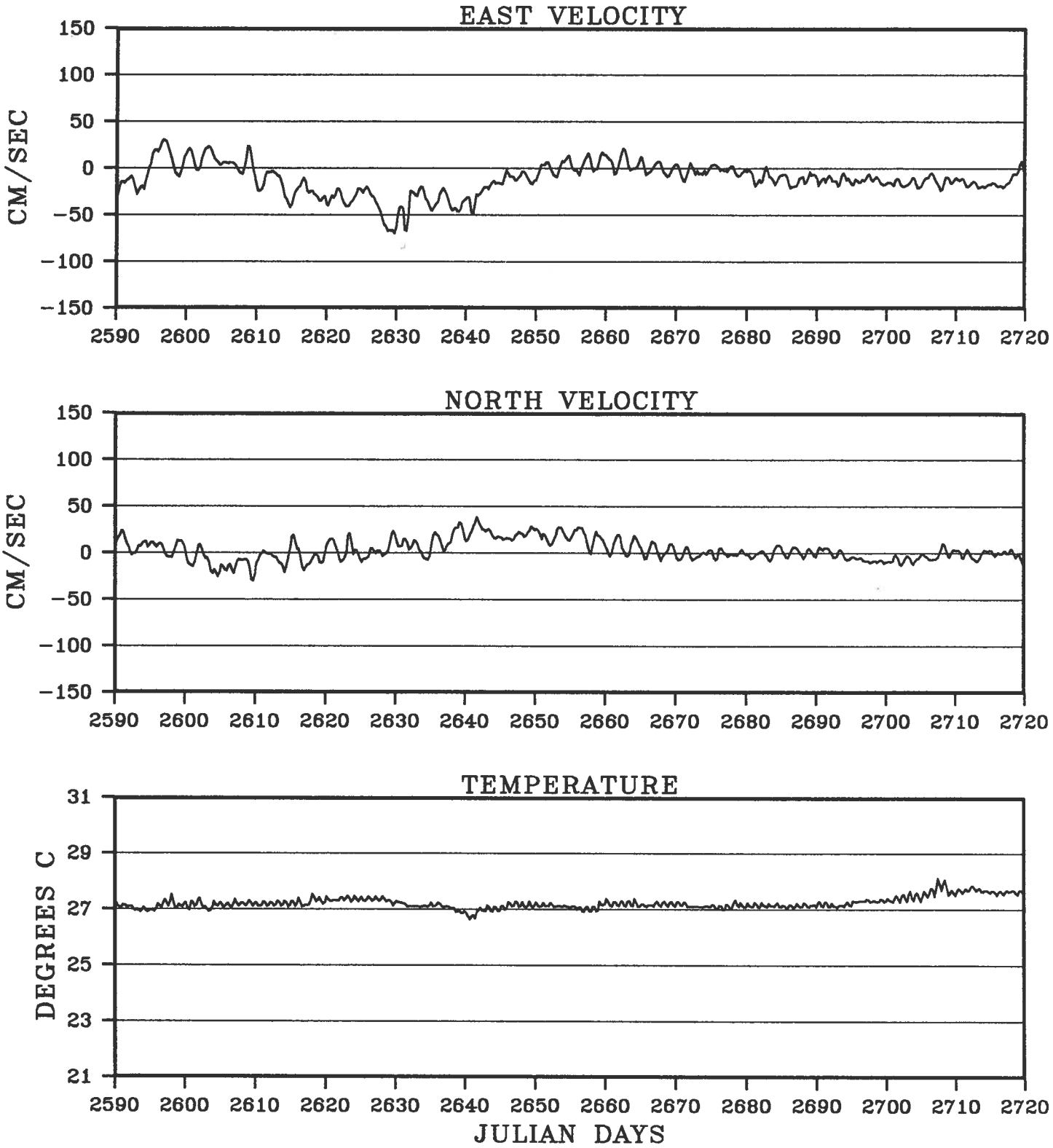
JULIAN DAYS

BUOY 2286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NORTH VELOCITY
CM/SEC
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2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720
TEMPERATURE
DEGREES C
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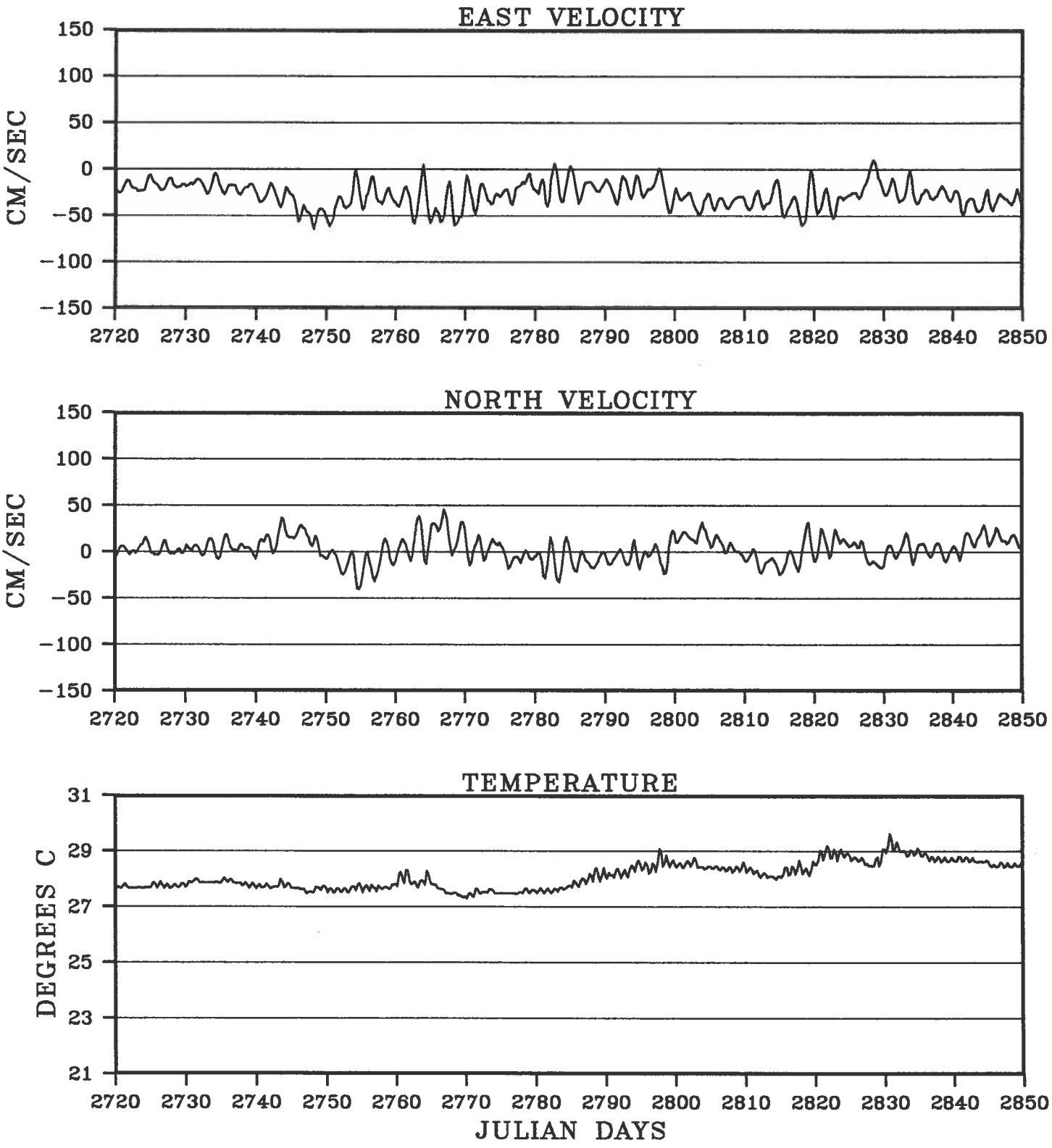
JULIAN DAYS

BUOY 2286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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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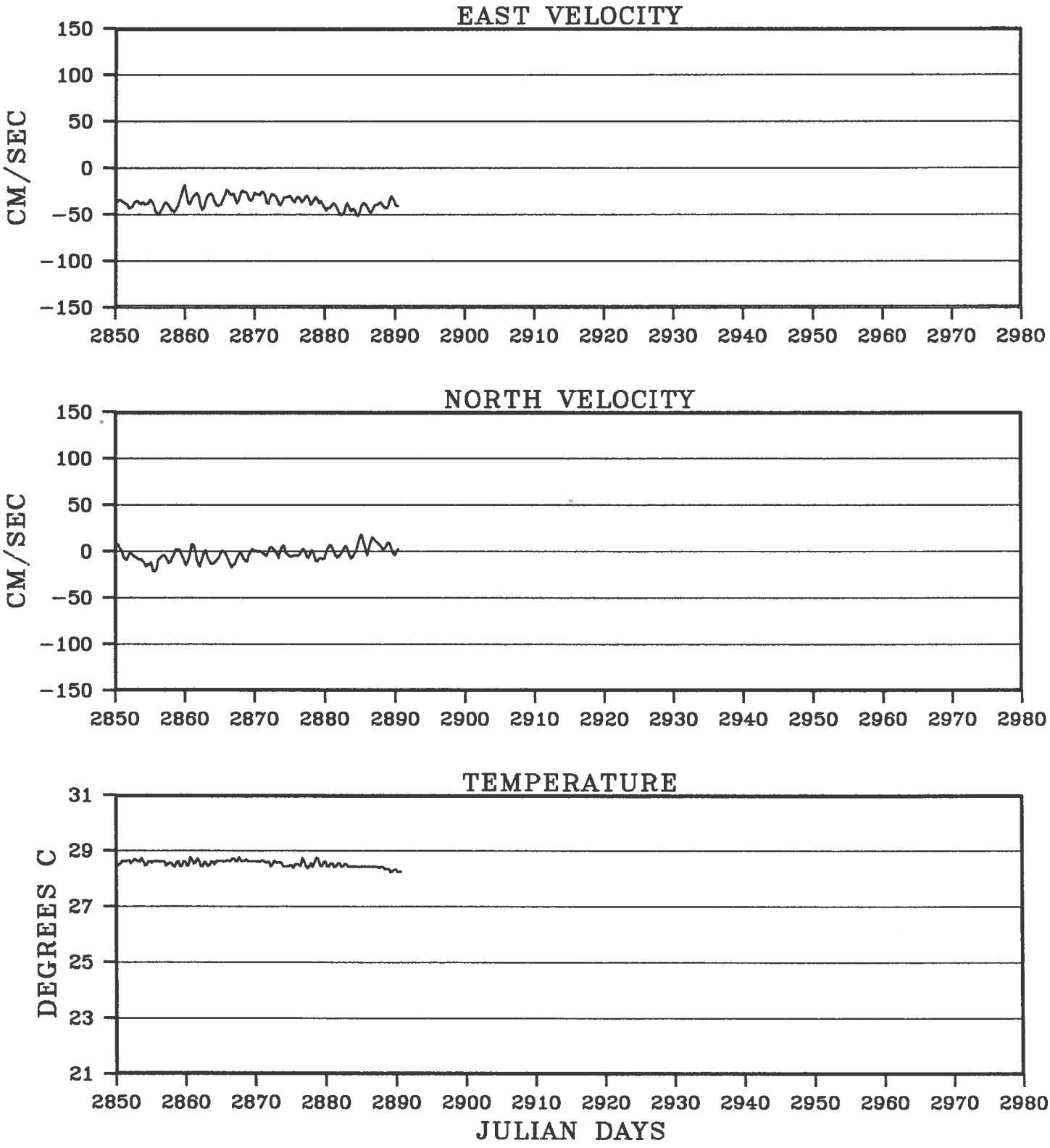
JULIAN DAYS

BUOY 2286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NORTH VELOCITY
CM/SEC
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2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980
TEMPERATURE
DEGREES C
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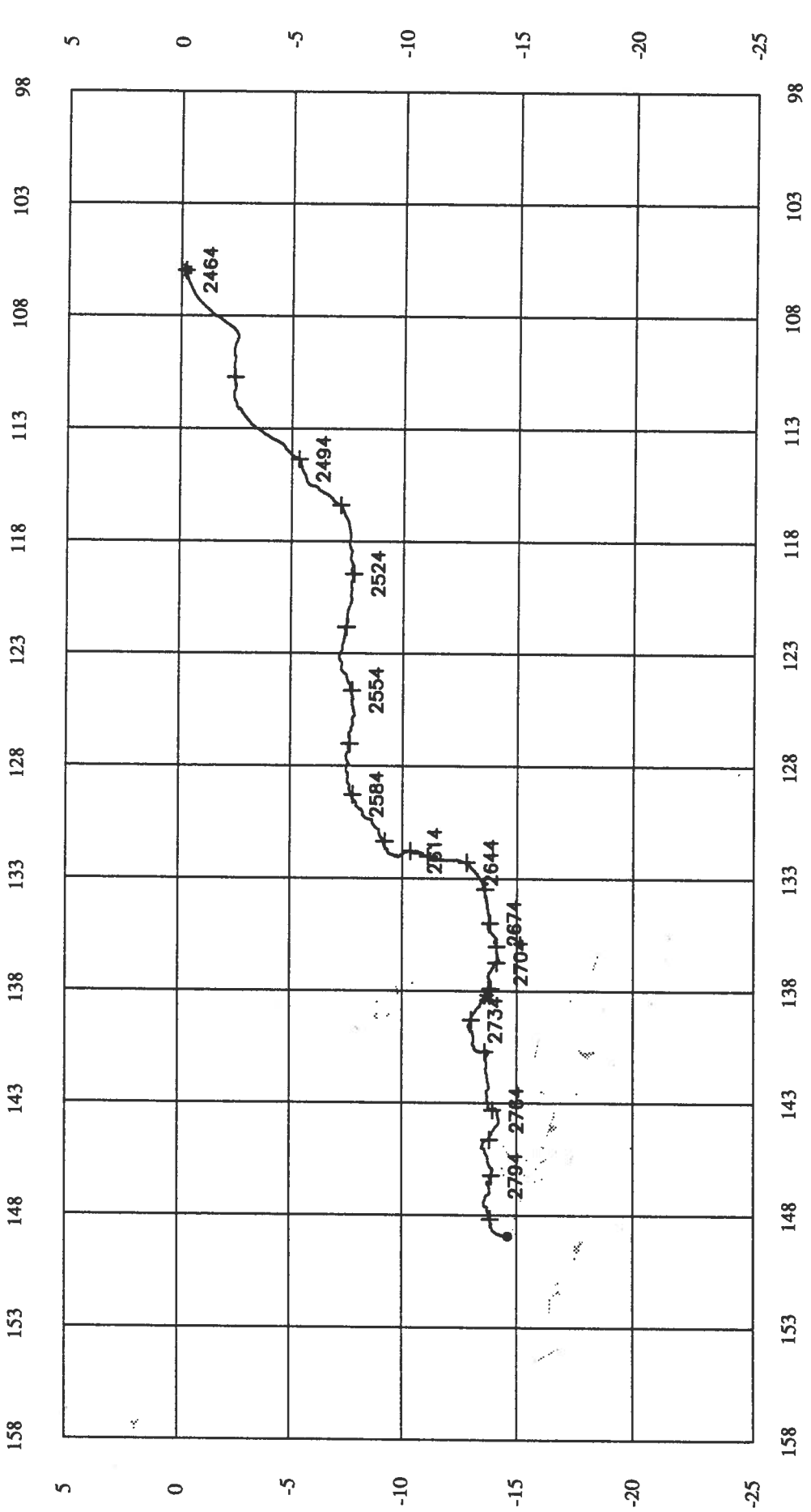
JULIAN DAYS

BUOY 2287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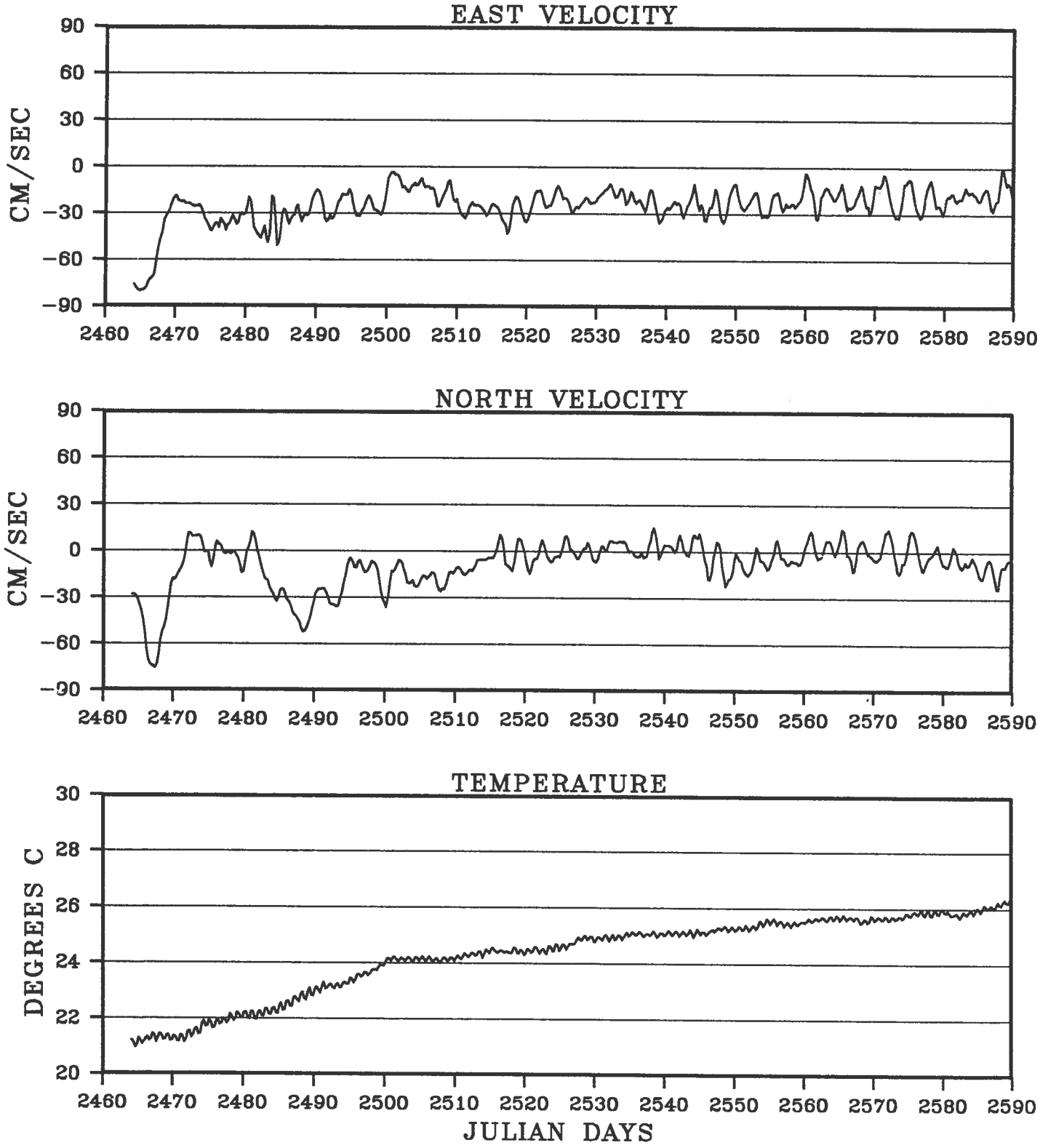
BUOY 2287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NORTH VELOCITY
CM/SEC
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-30
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-90
2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590
TEMPERATURE
DEGREES C
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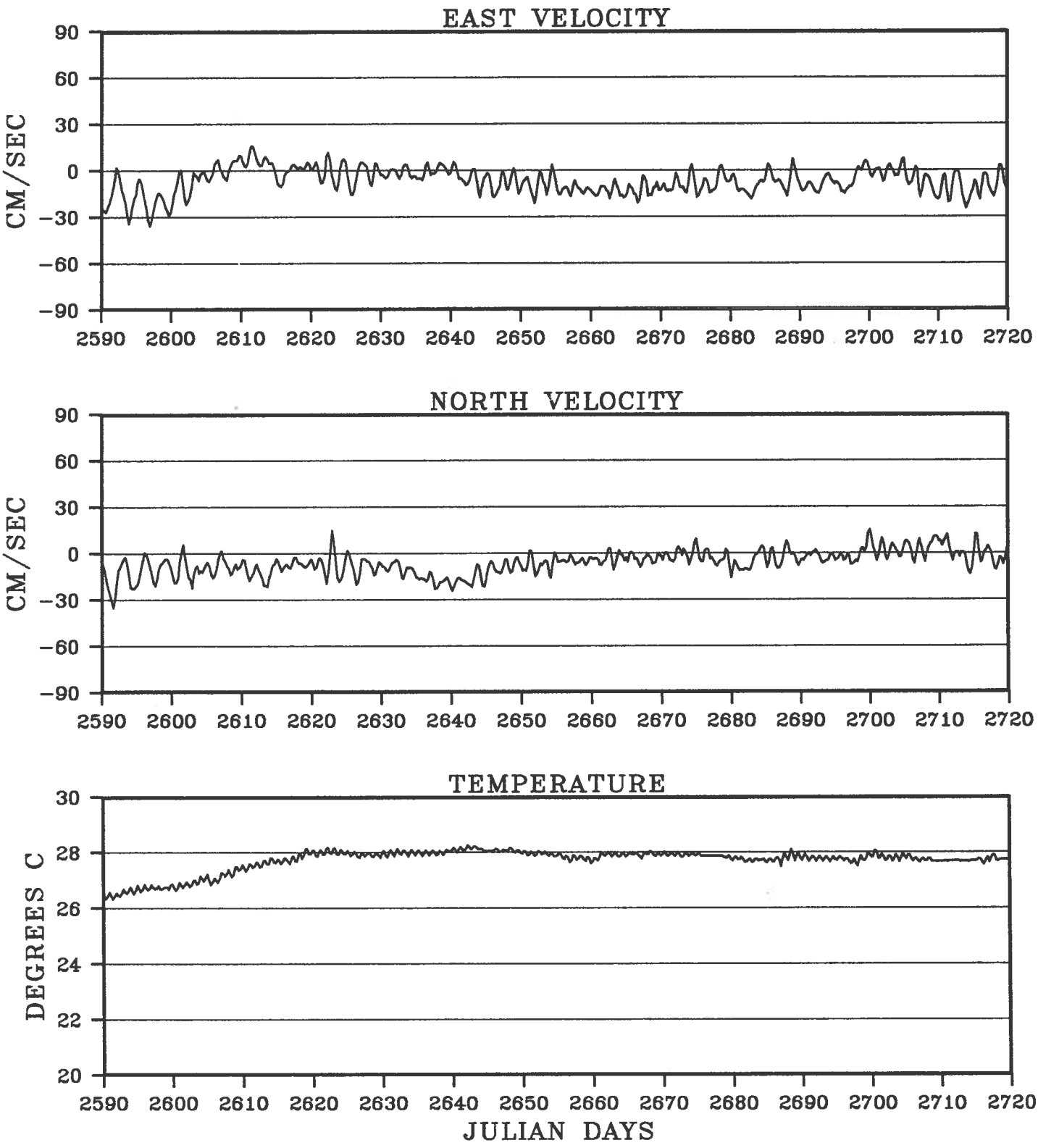
JULIAN DAYS

BUOY 2287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CM/SEC
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-90
2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720
NORTH VELOCITY
CM/SEC
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2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720
TEMPERATURE
DEGREES C
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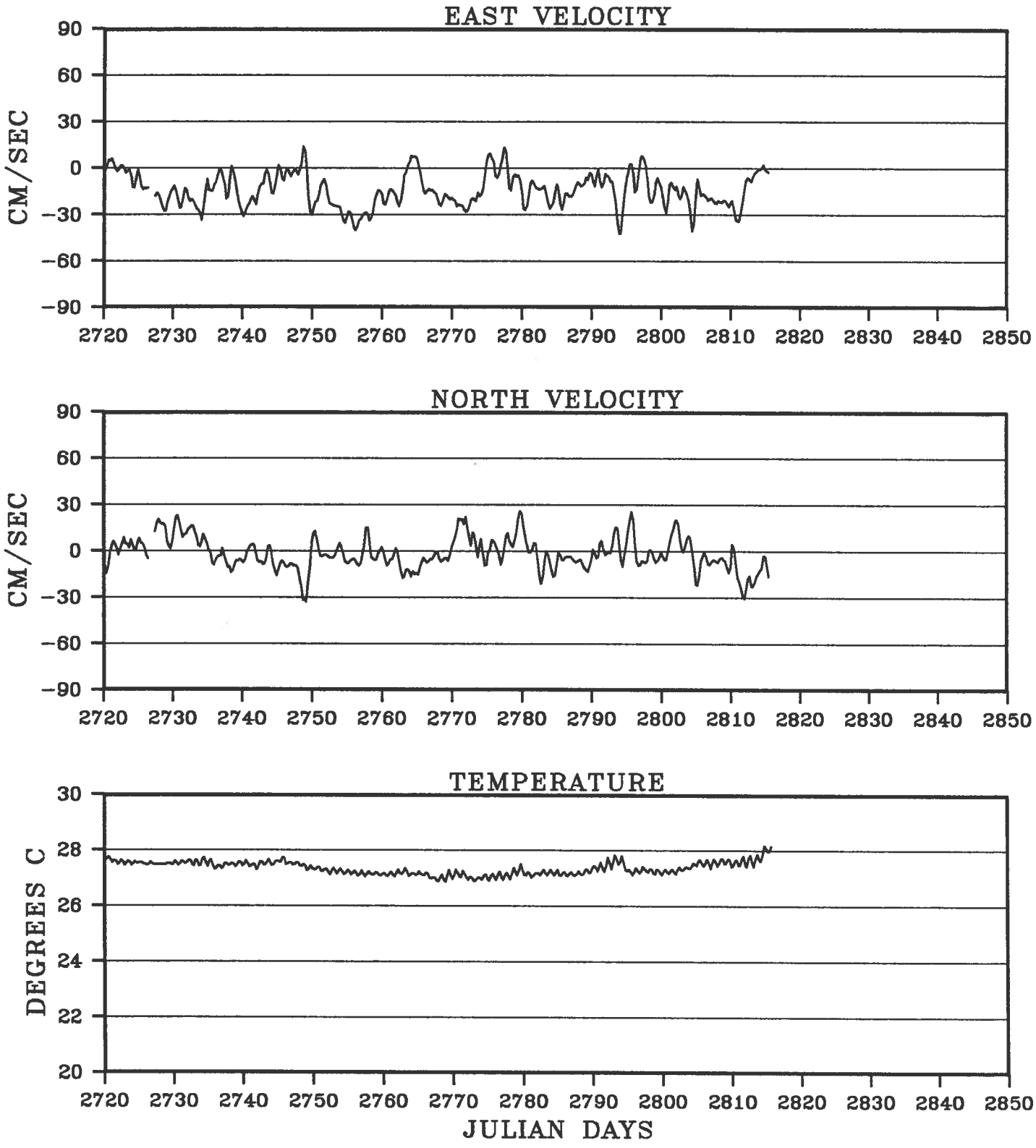
JULIAN DAYS

BUOY 2287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CM/SEC
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NORTH VELOCITY
CM/SEC
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-30
-60
-90
2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850
TEMPERATURE
DEGREES C
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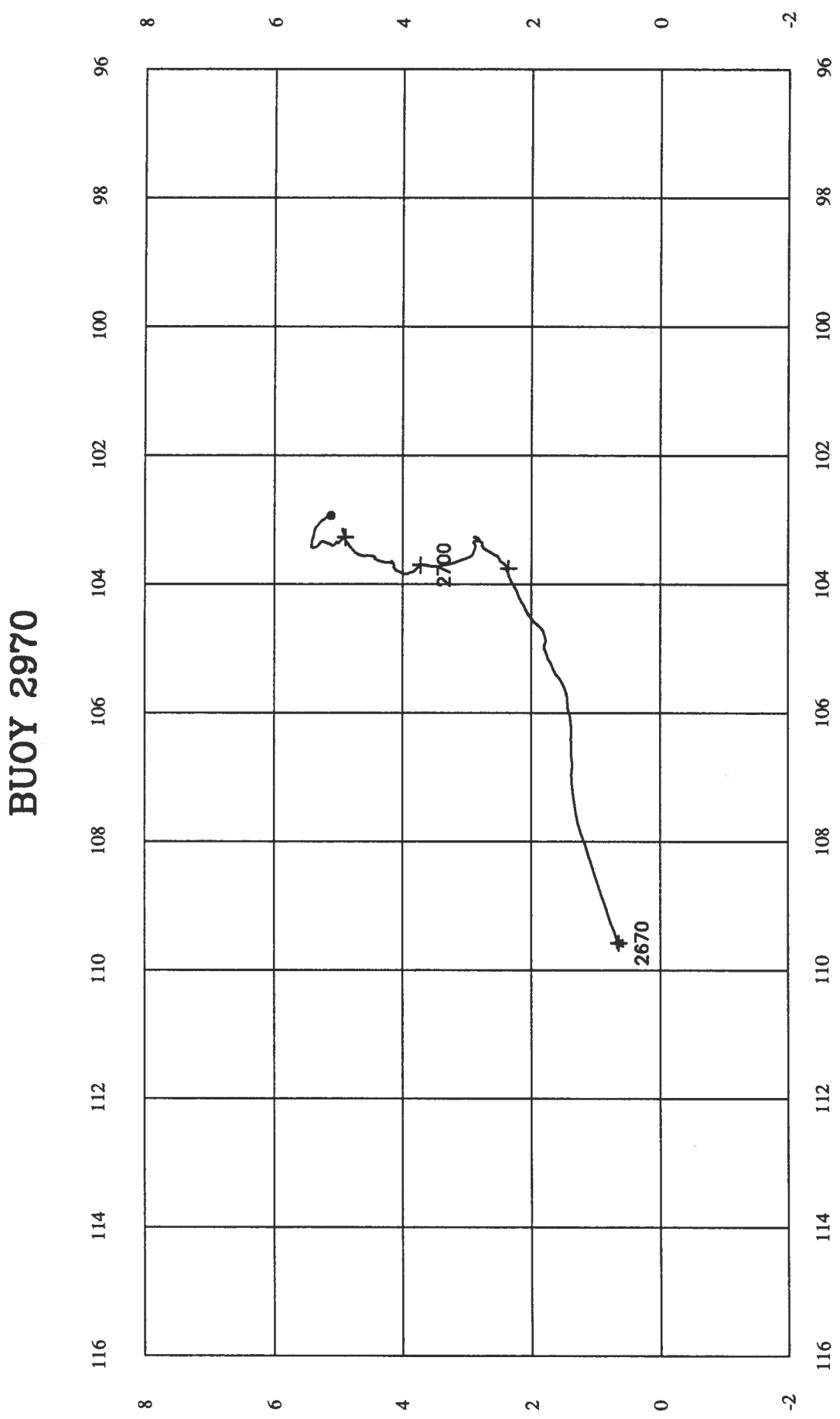
JULIAN DAYS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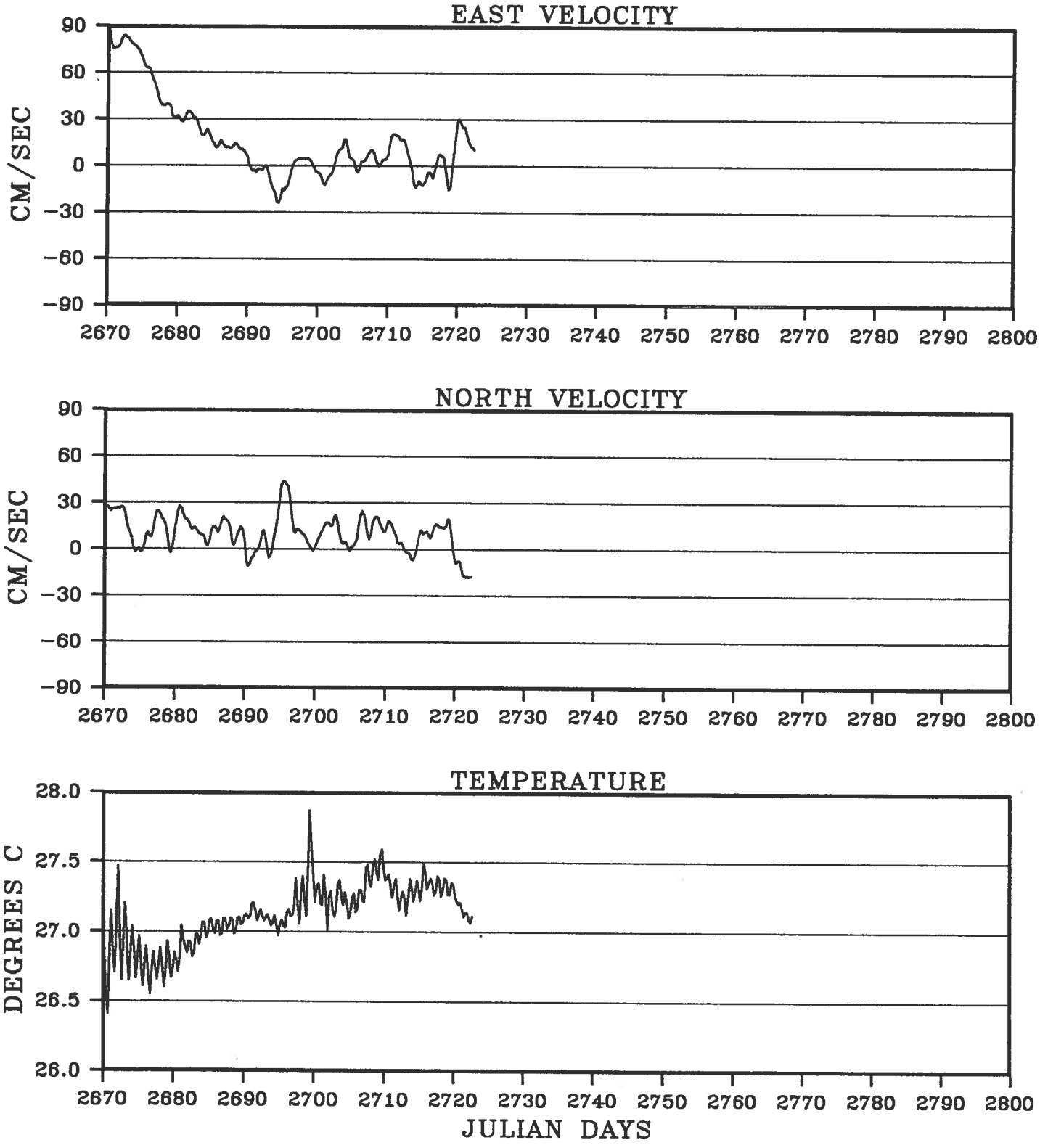
BUOY 2970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CM/SEC
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NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
TEMPERATURE
DEGREES C
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26.5
26.0
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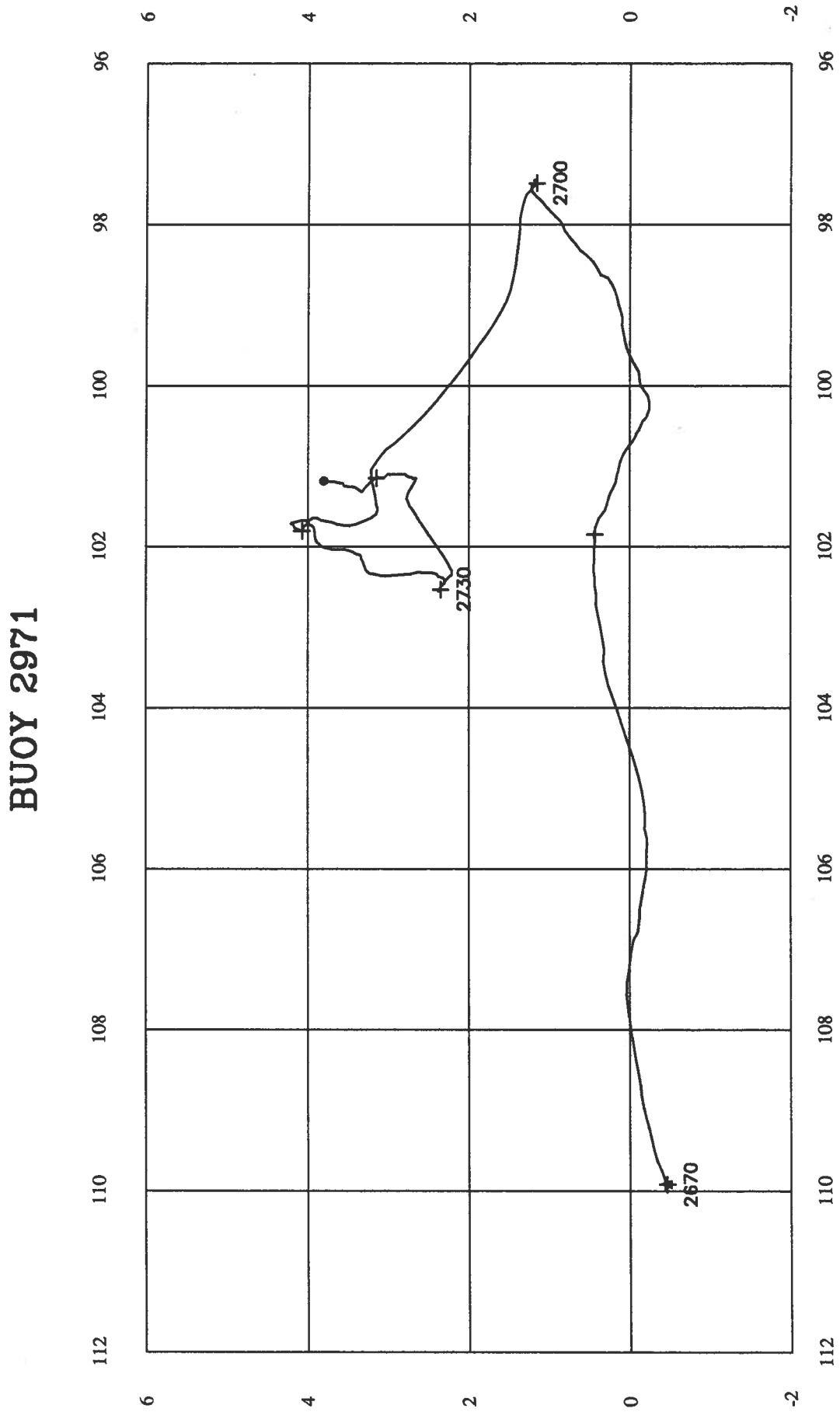
JULIAN DAYS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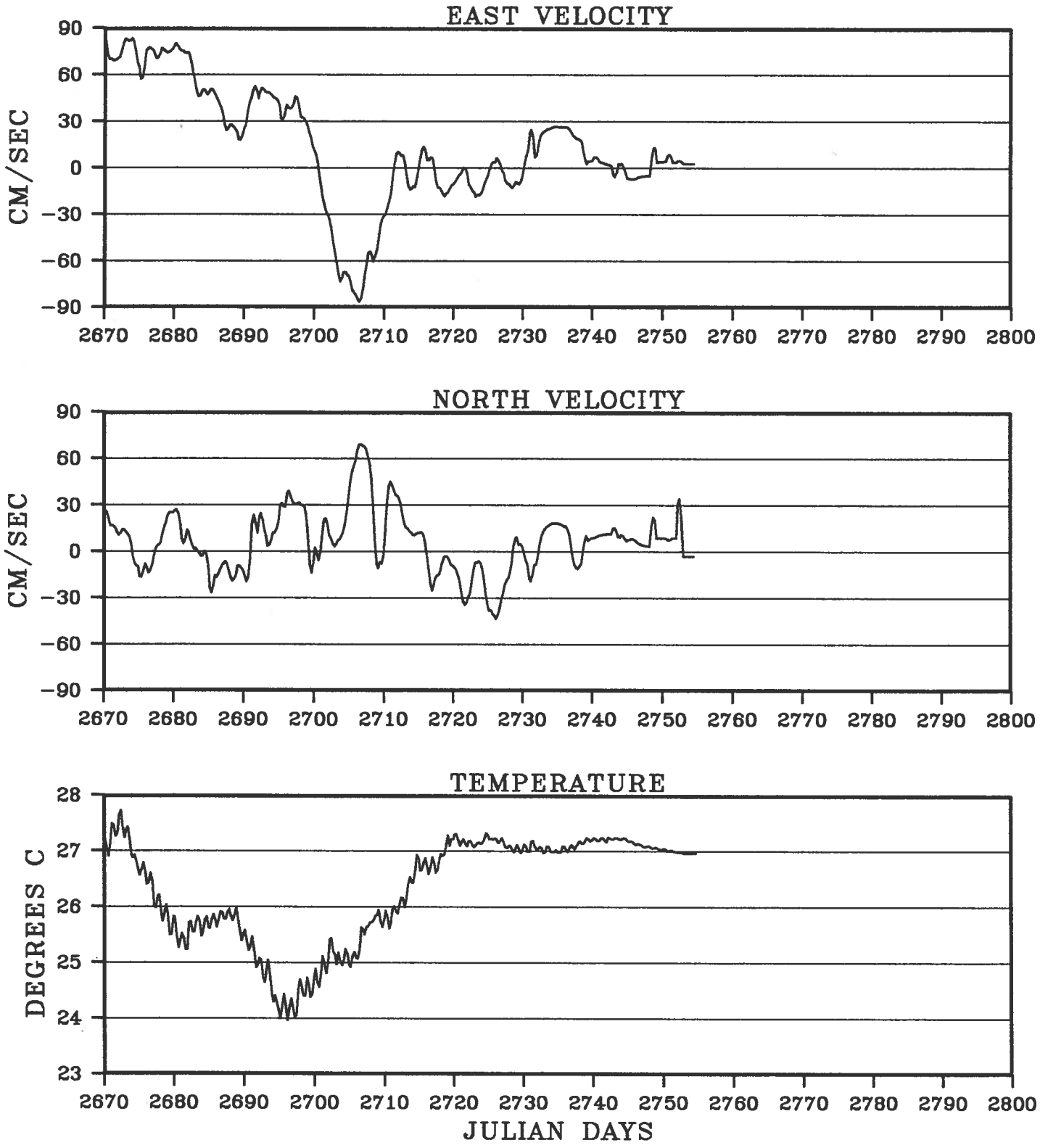
BUOY 2971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CM/SEC
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2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800
TEMPERATURE
DEGREES C
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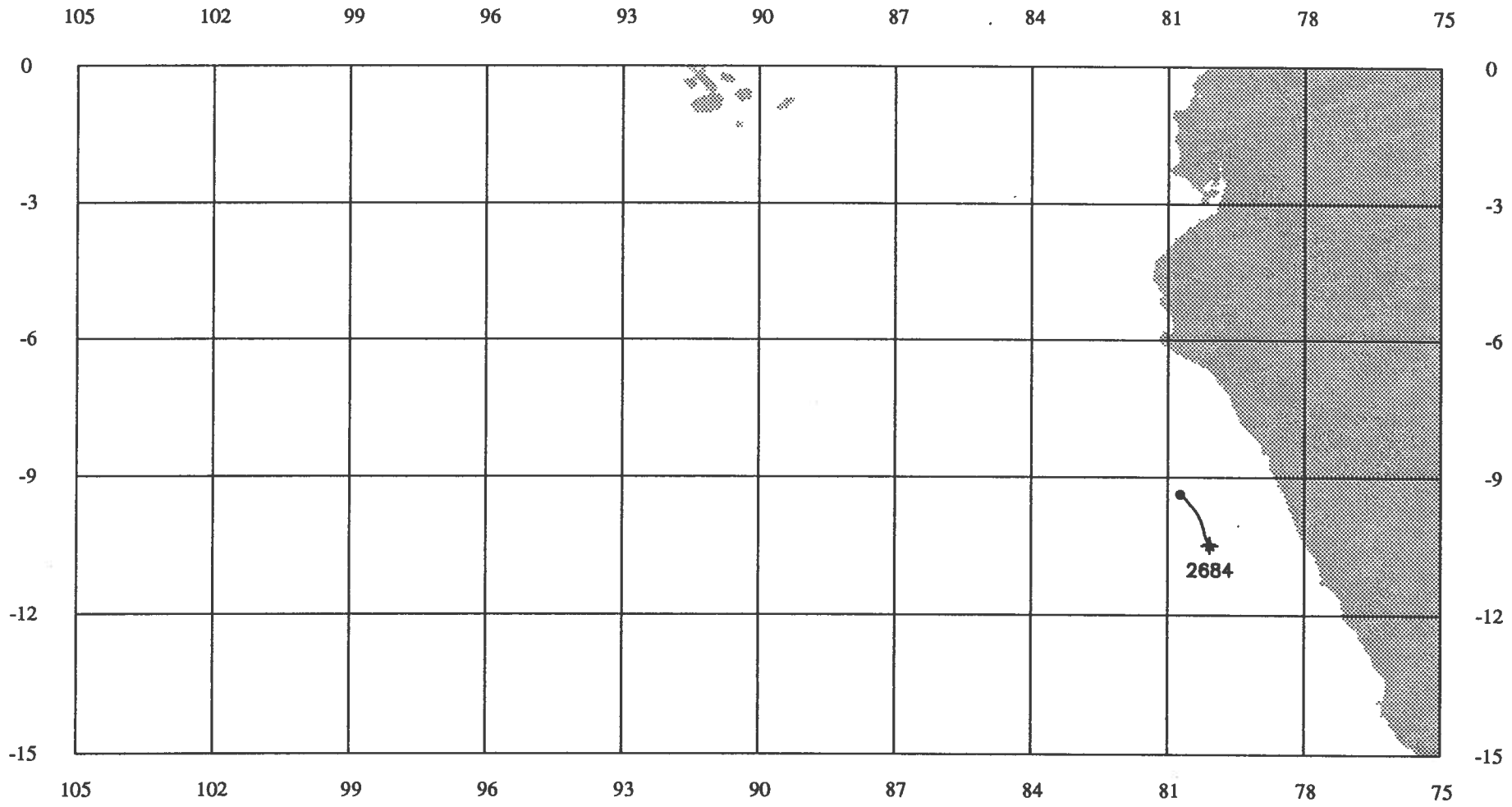
JULIAN DAYS

BUOY 2972



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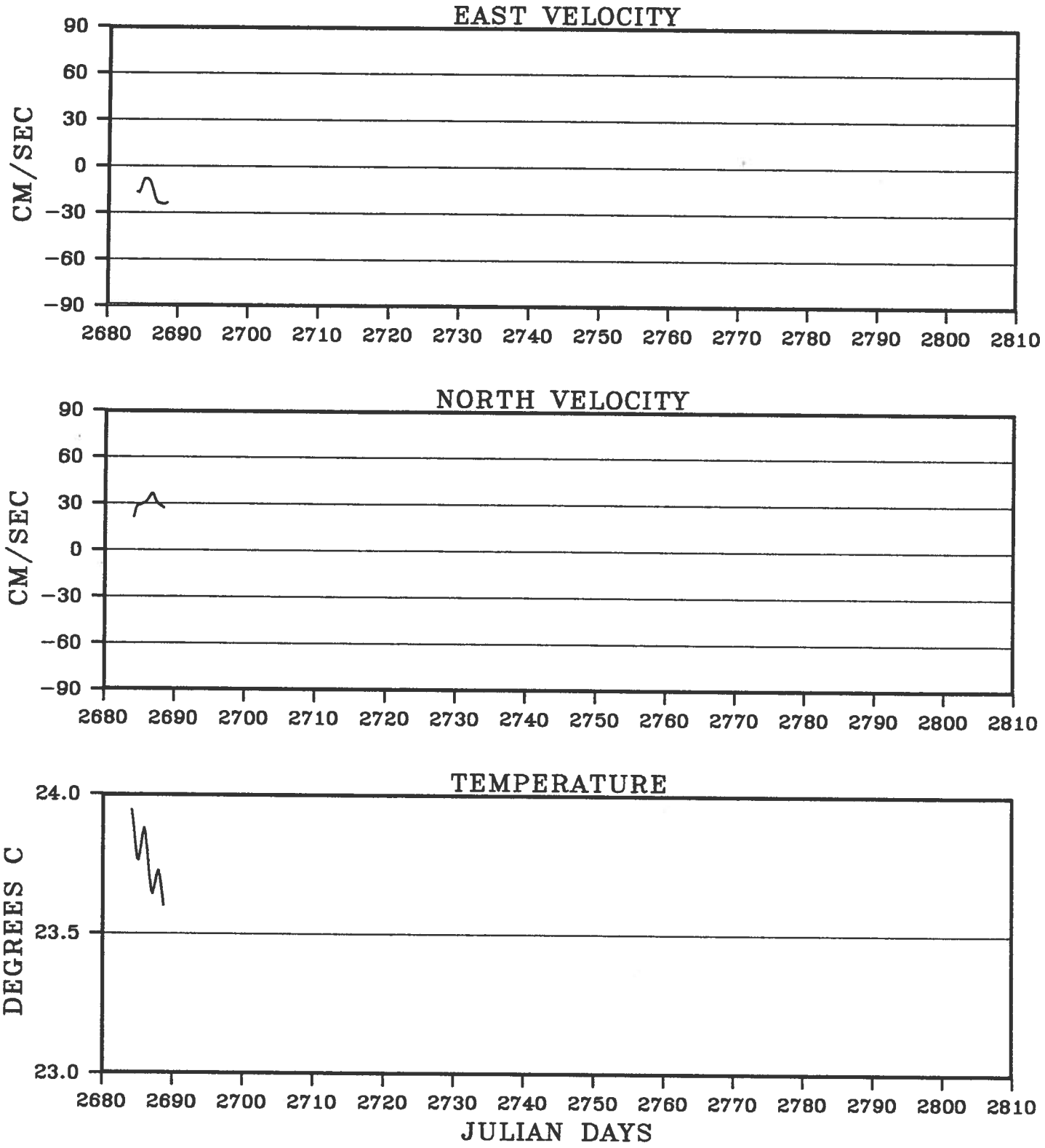
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CM/SEC
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NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810
TEMPERATURE
DEGREES C
24.0
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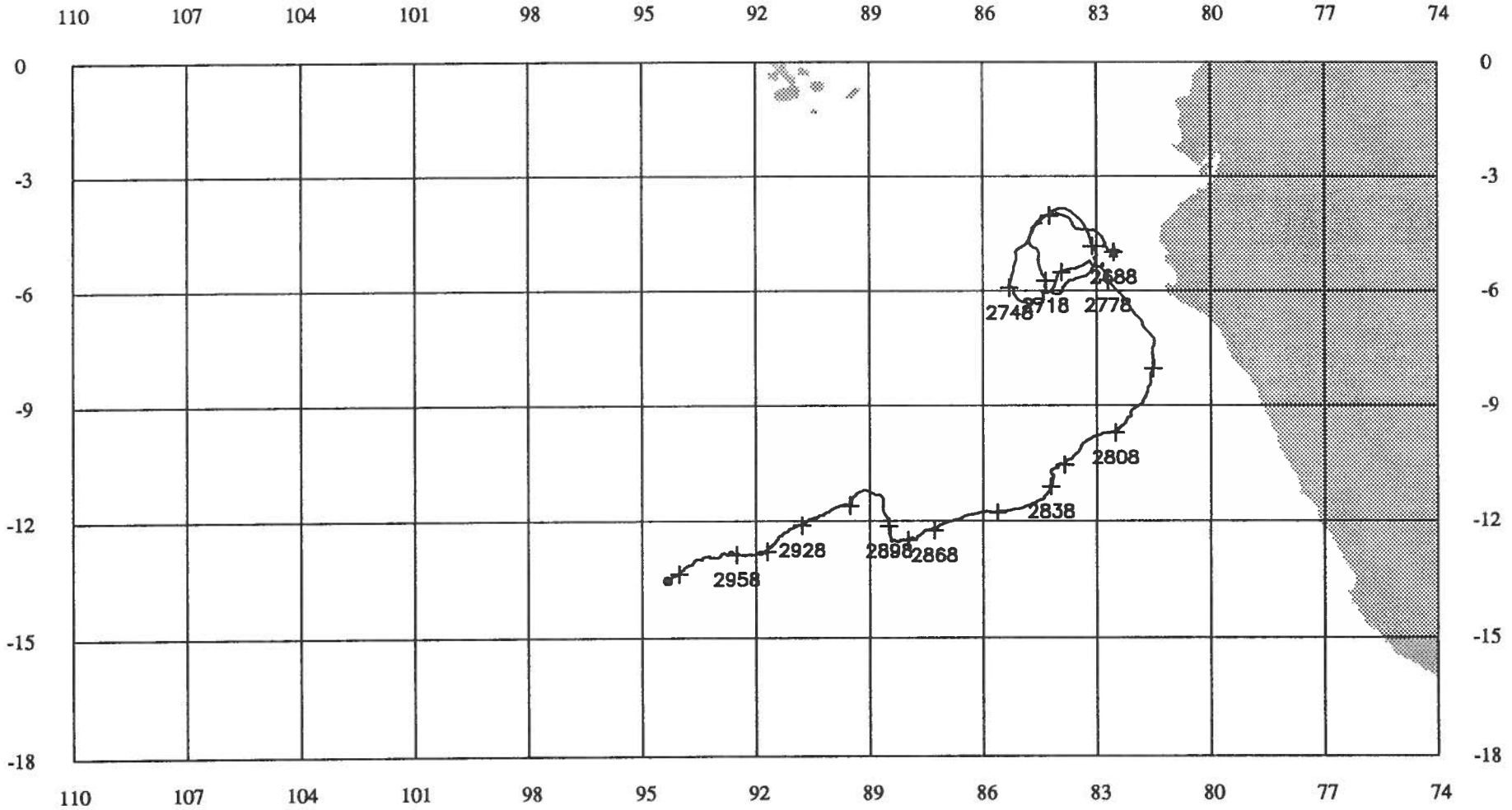
23.0
2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810
JULIAN DAYS

BUOY 2973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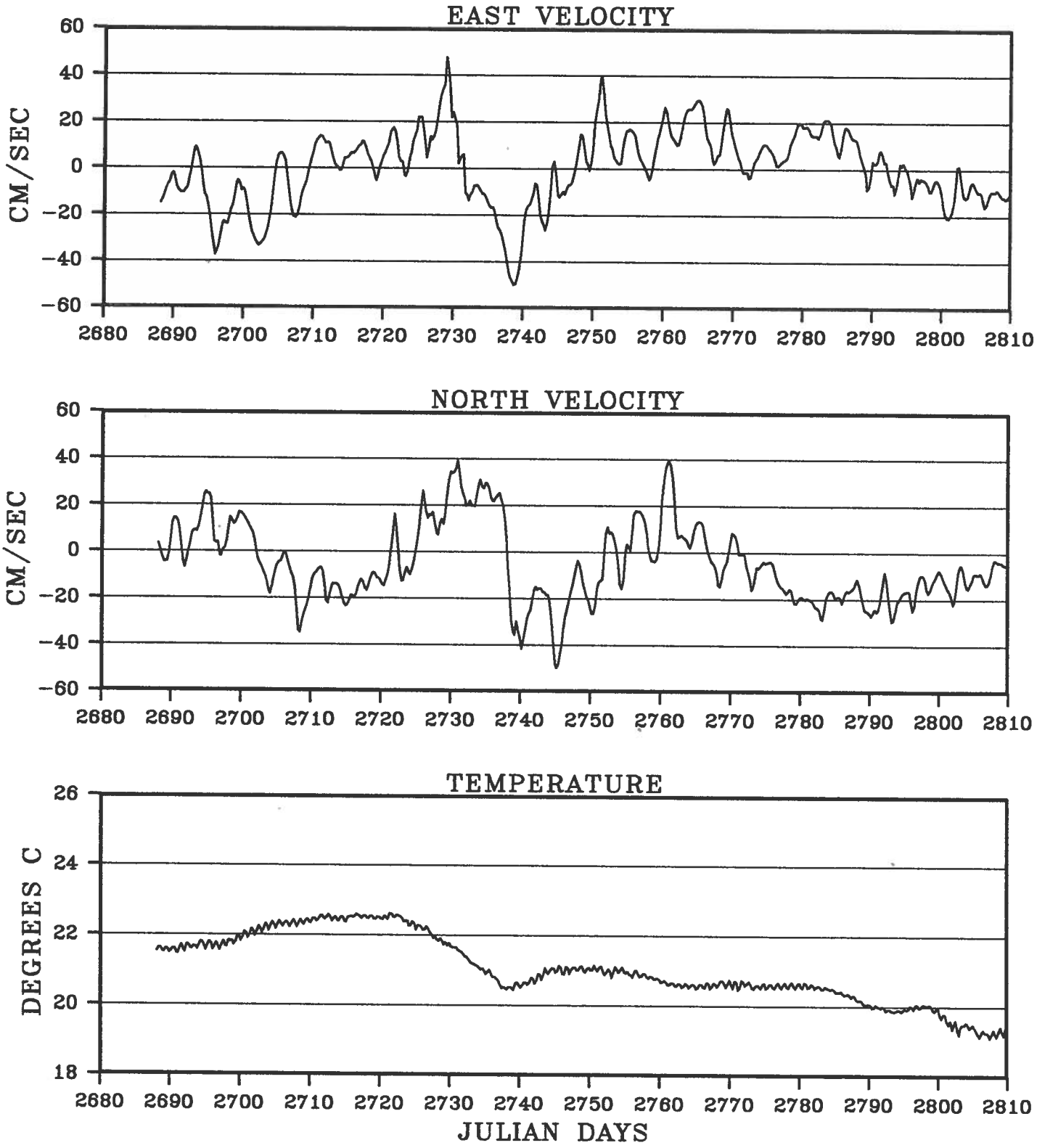
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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
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2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810
TEMPERATURE
DEGREES C
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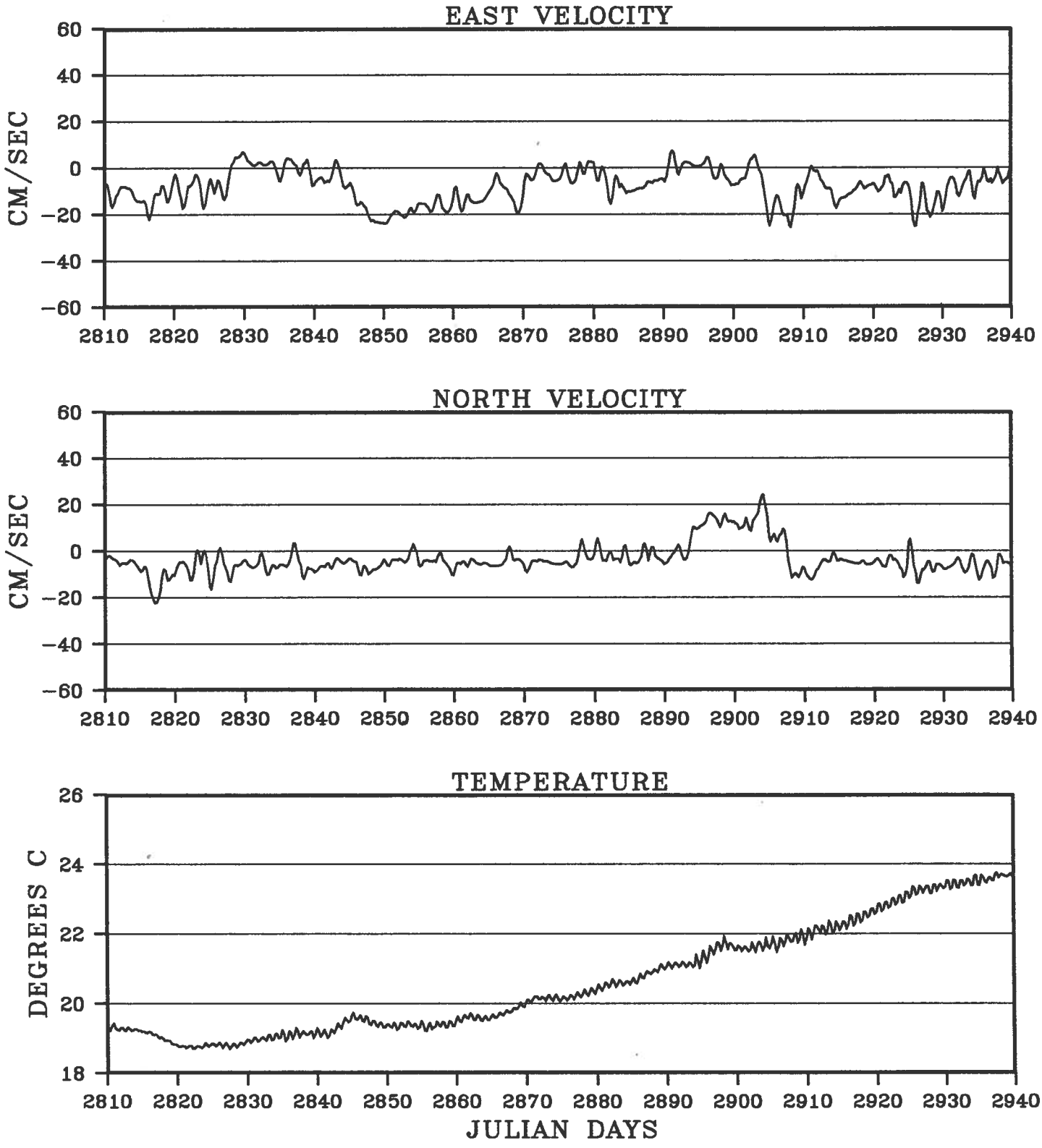
JULIAN DAYS

BUOY 2973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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940
TEMPERATURE
DEGREES C
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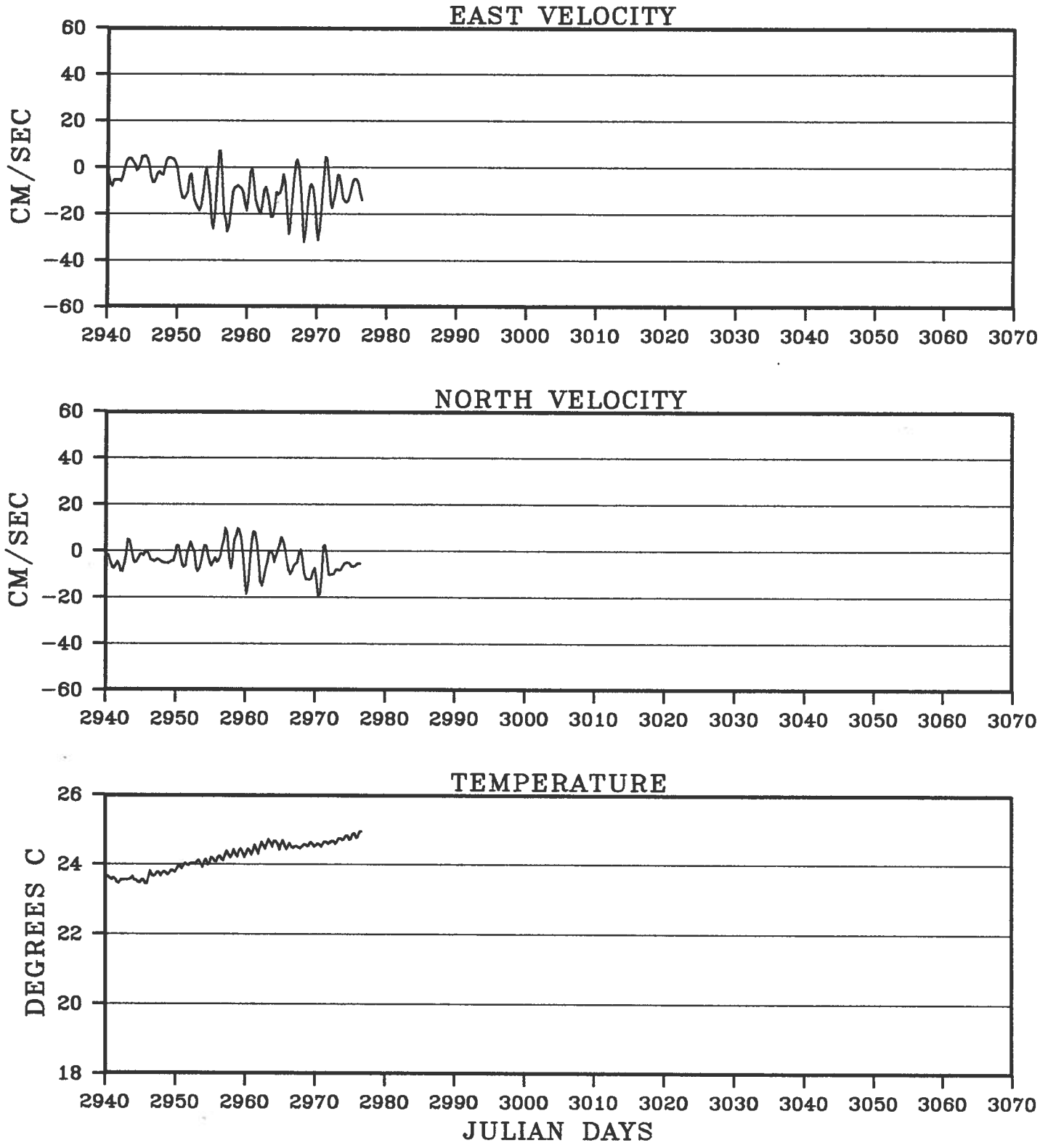
JULIAN DAYS

BUOY 2973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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070
TEMPERATURE
DEGREES C
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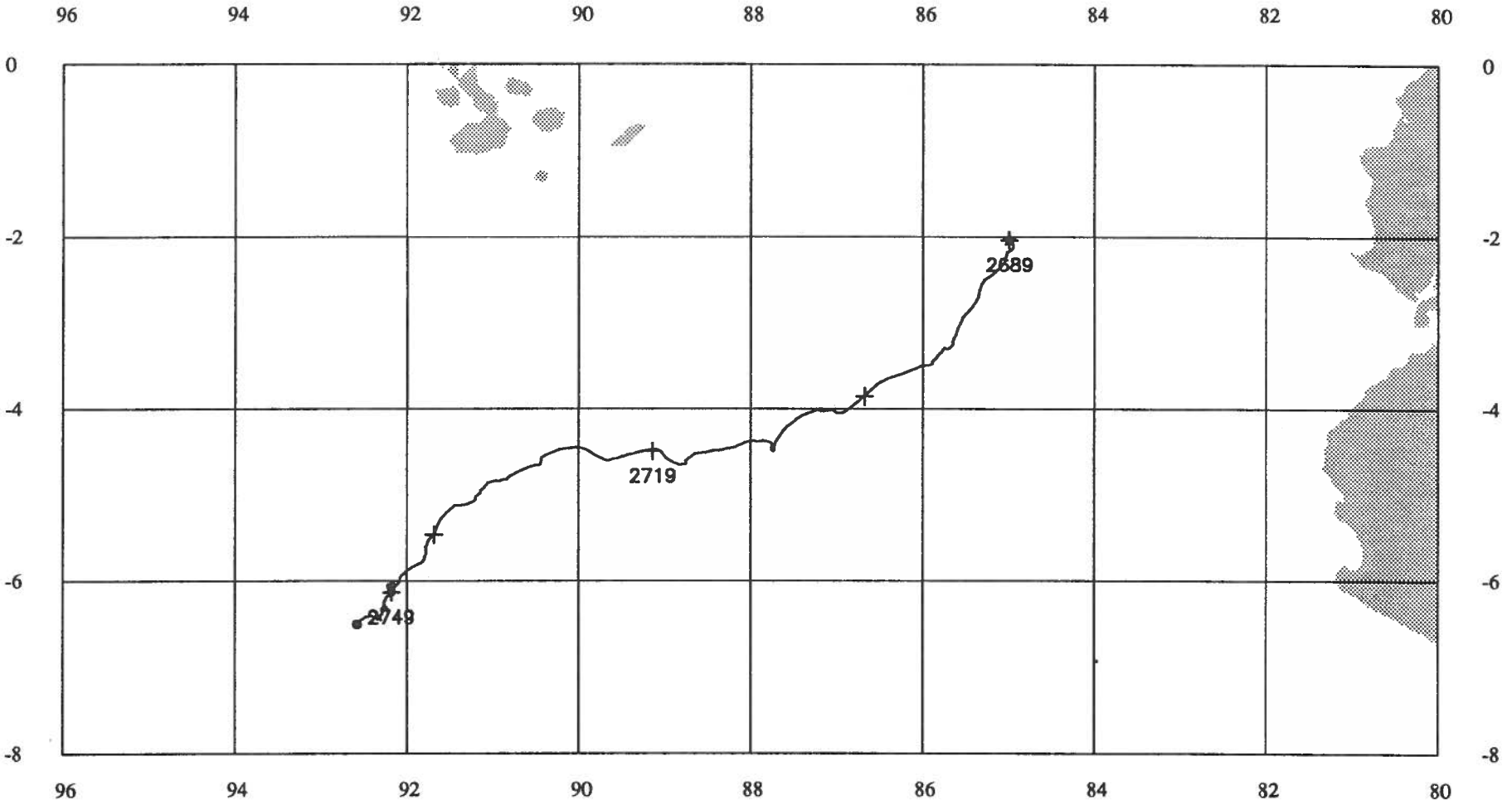
JULIAN DAYS

BUOY 2975



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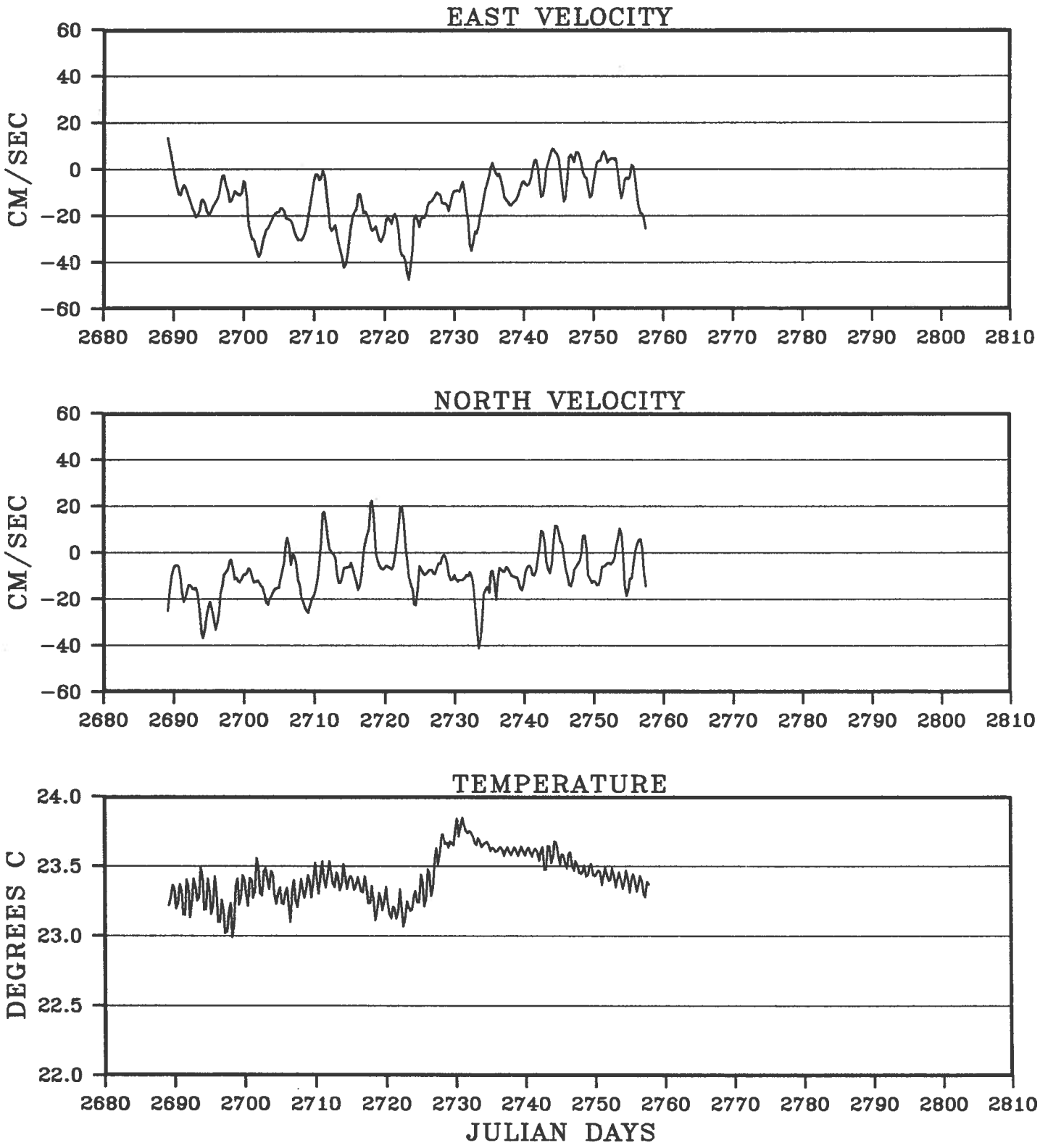
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810
TEMPERATURE
DEGREES C
24.0
23.5
23.0
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22.0
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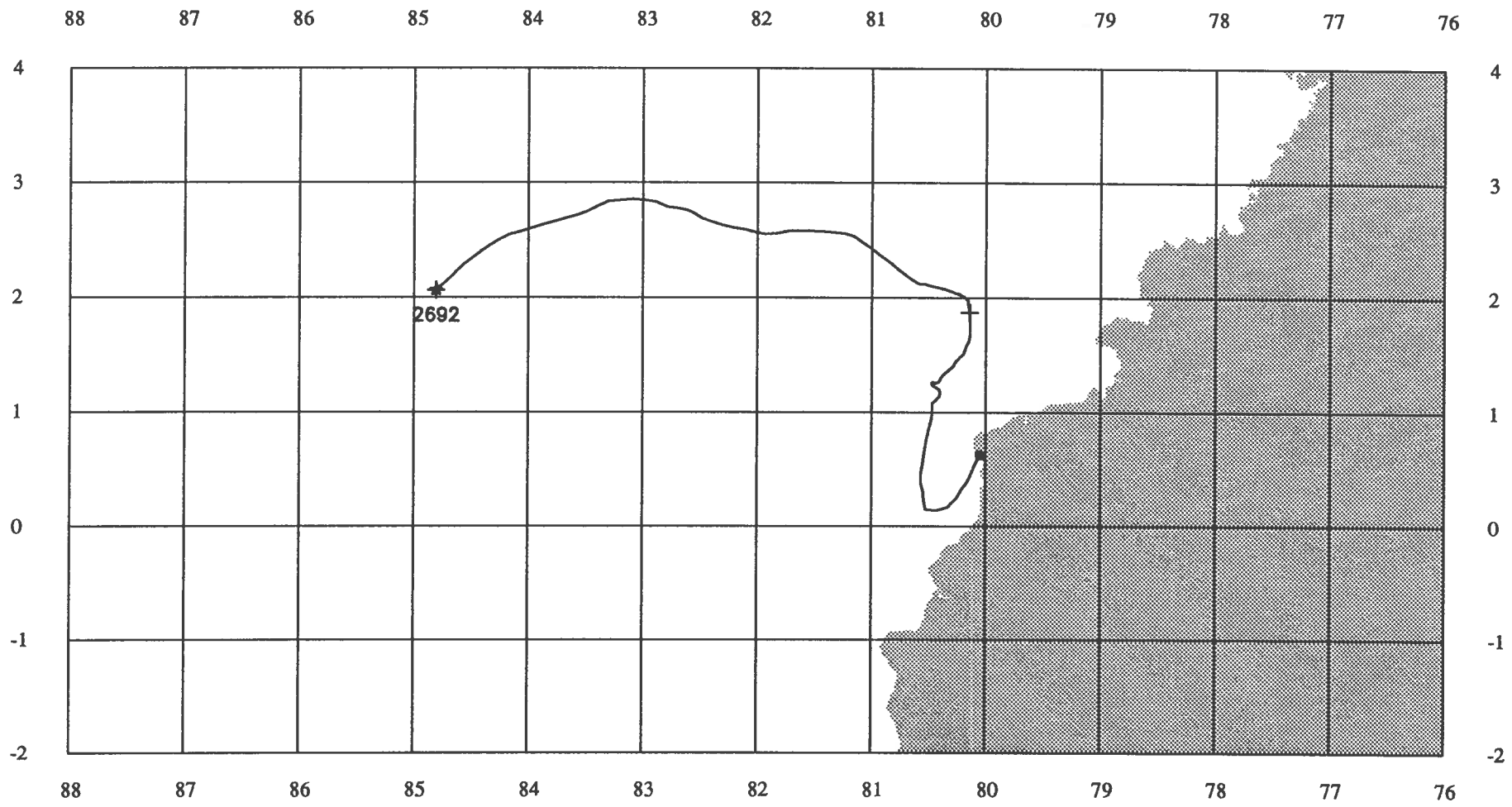
JULIAN DAYS

BUOY 2976



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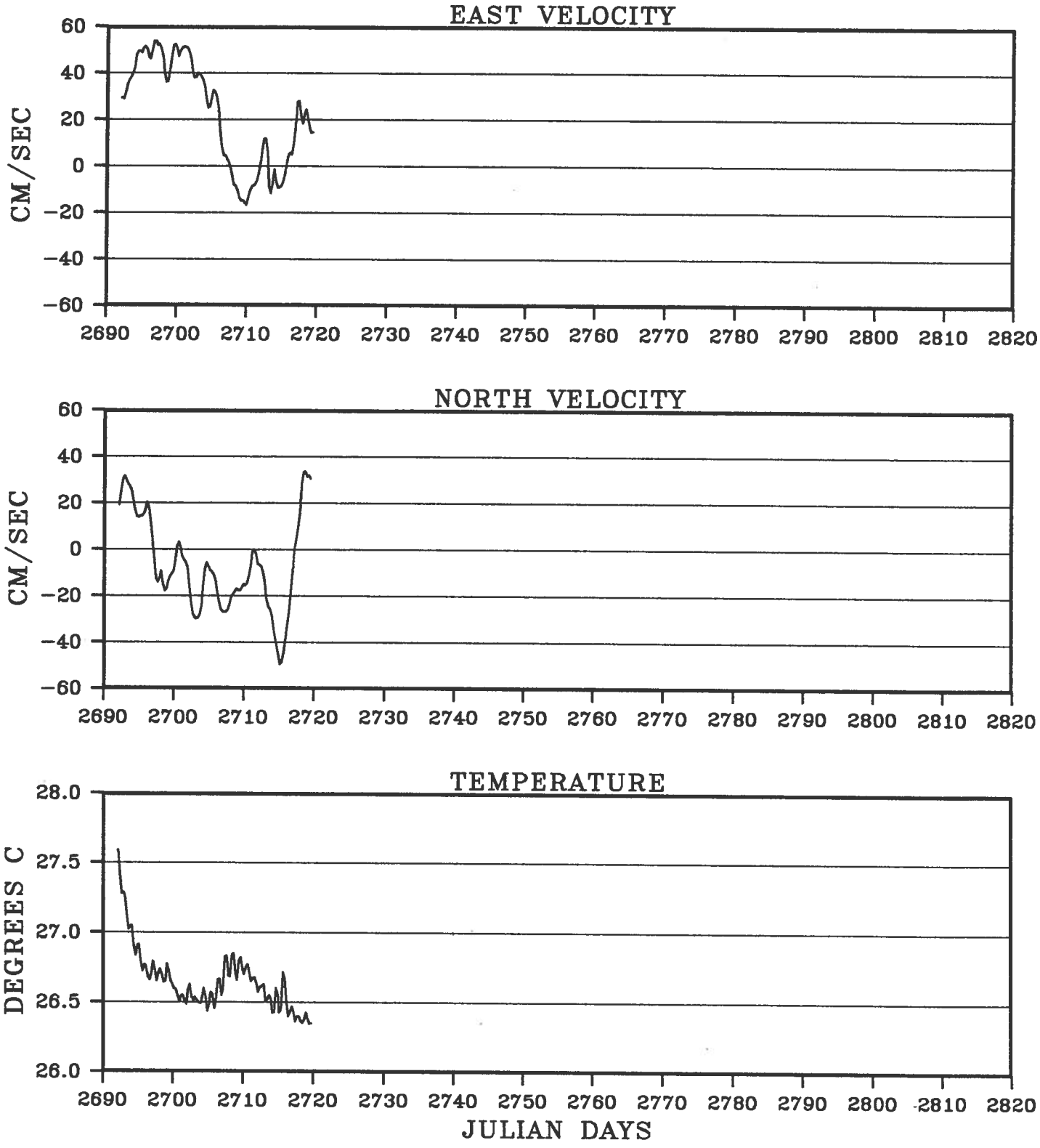
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CM/SEC
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2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820
NORTH VELOCITY
CM/SEC
60
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0
-20
-40
-60
2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820
TEMPERATURE
DEGREES C
28.0
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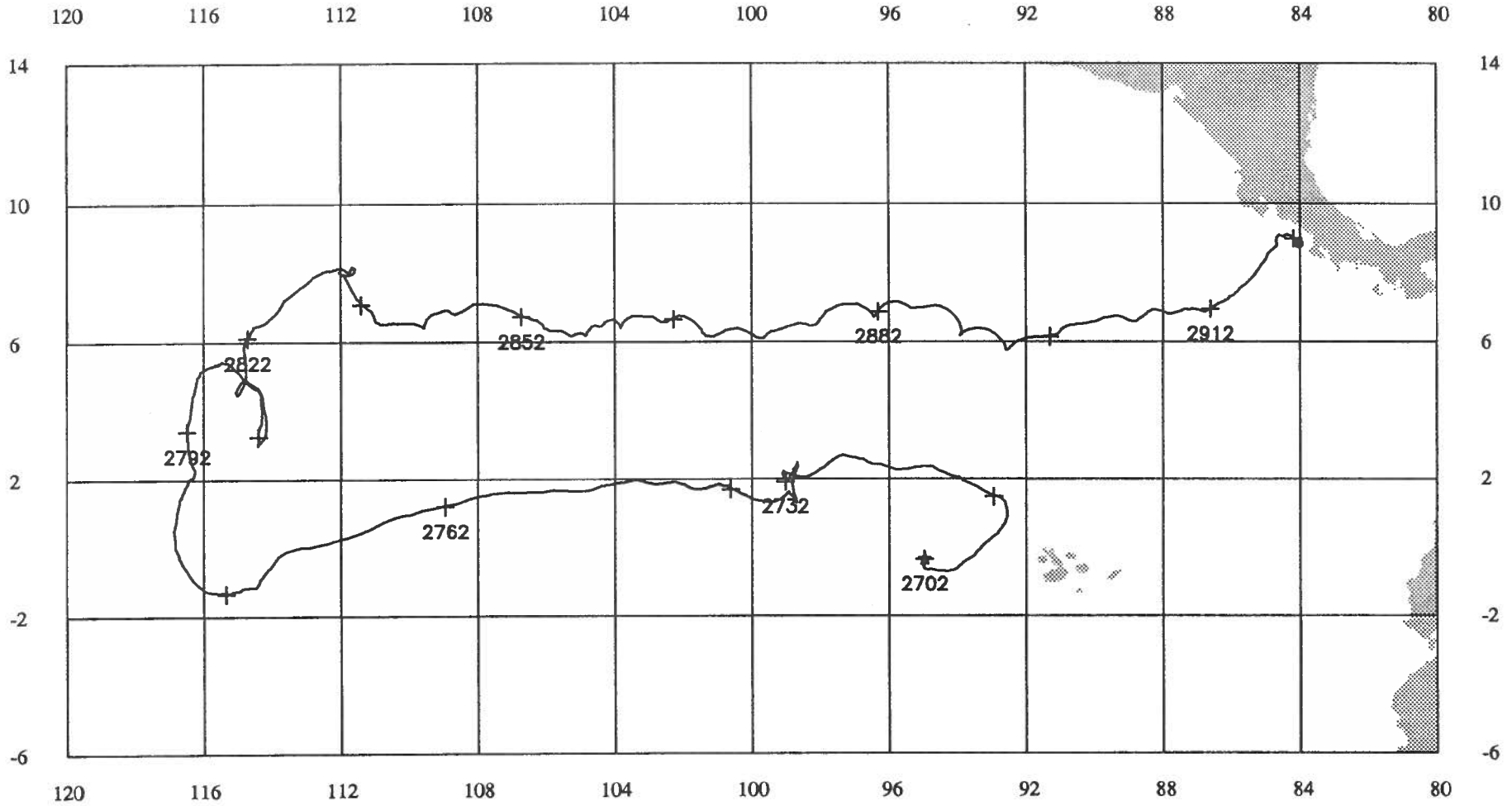
JULIAN DAYS

BUOY 2980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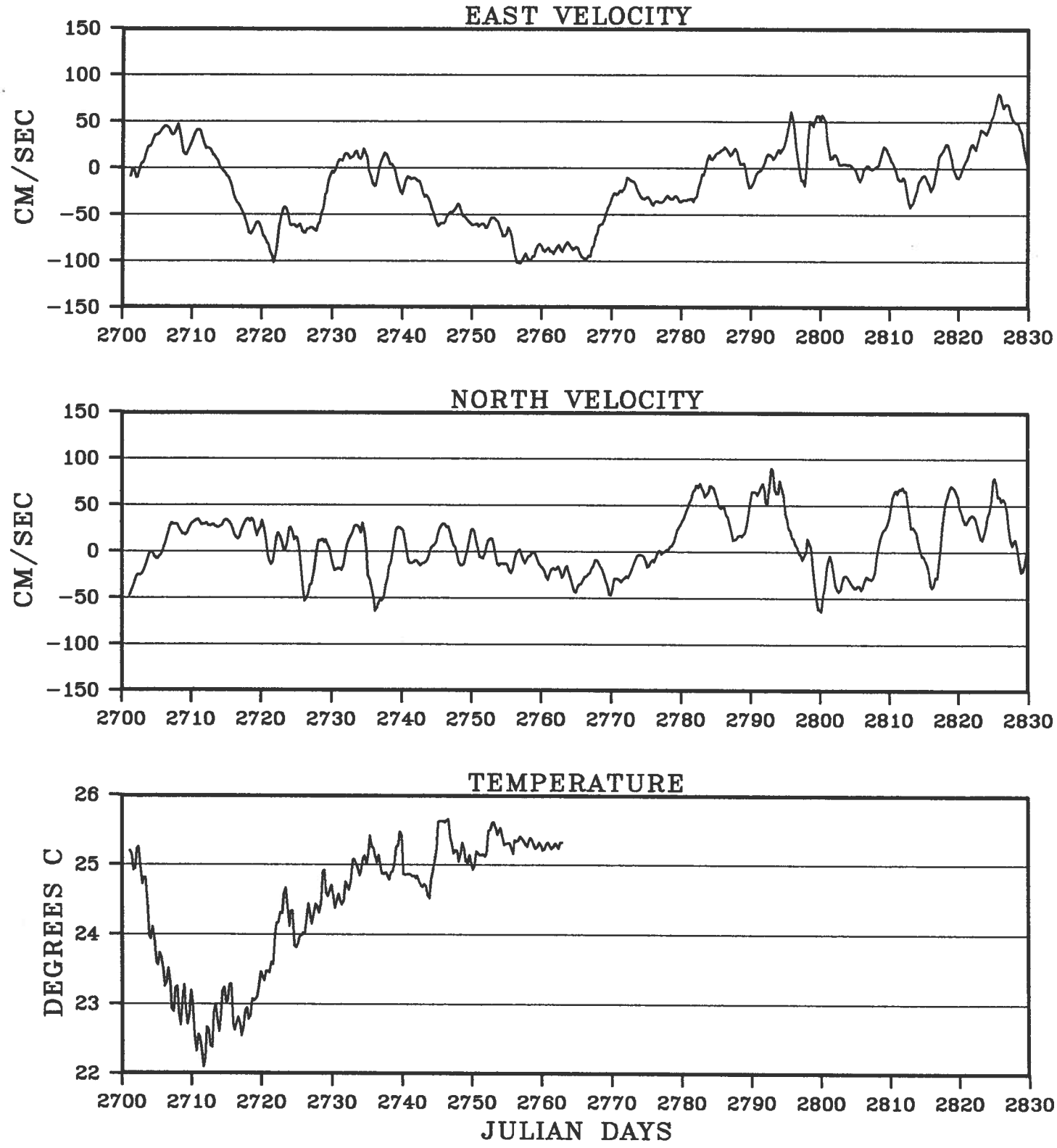
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CM/SEC
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NORTH VELOCITY
CM/SEC
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−50
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2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830
TEMPERATURE
DEGREES C
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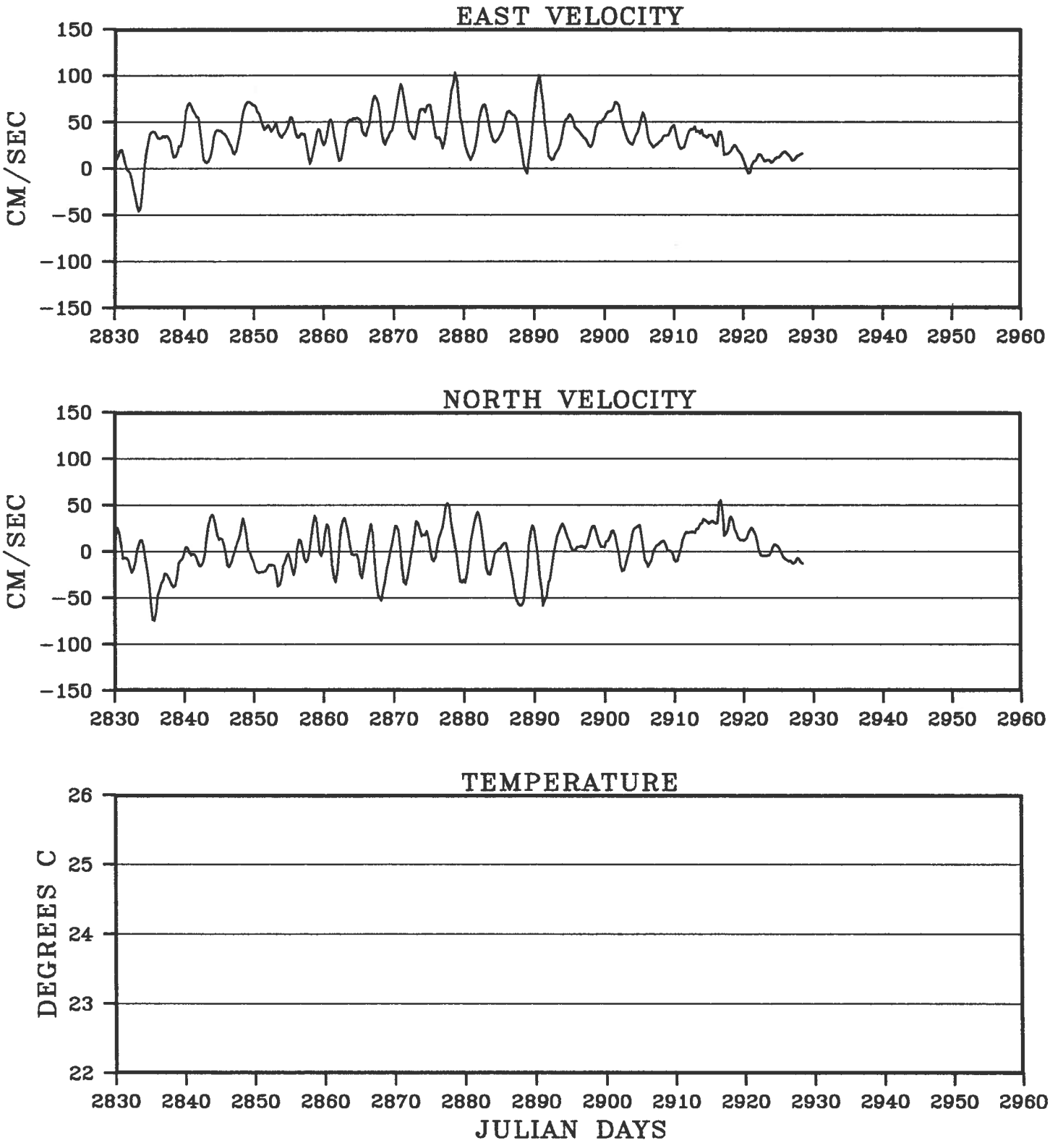
JULIAN DAYS

BUOY 2980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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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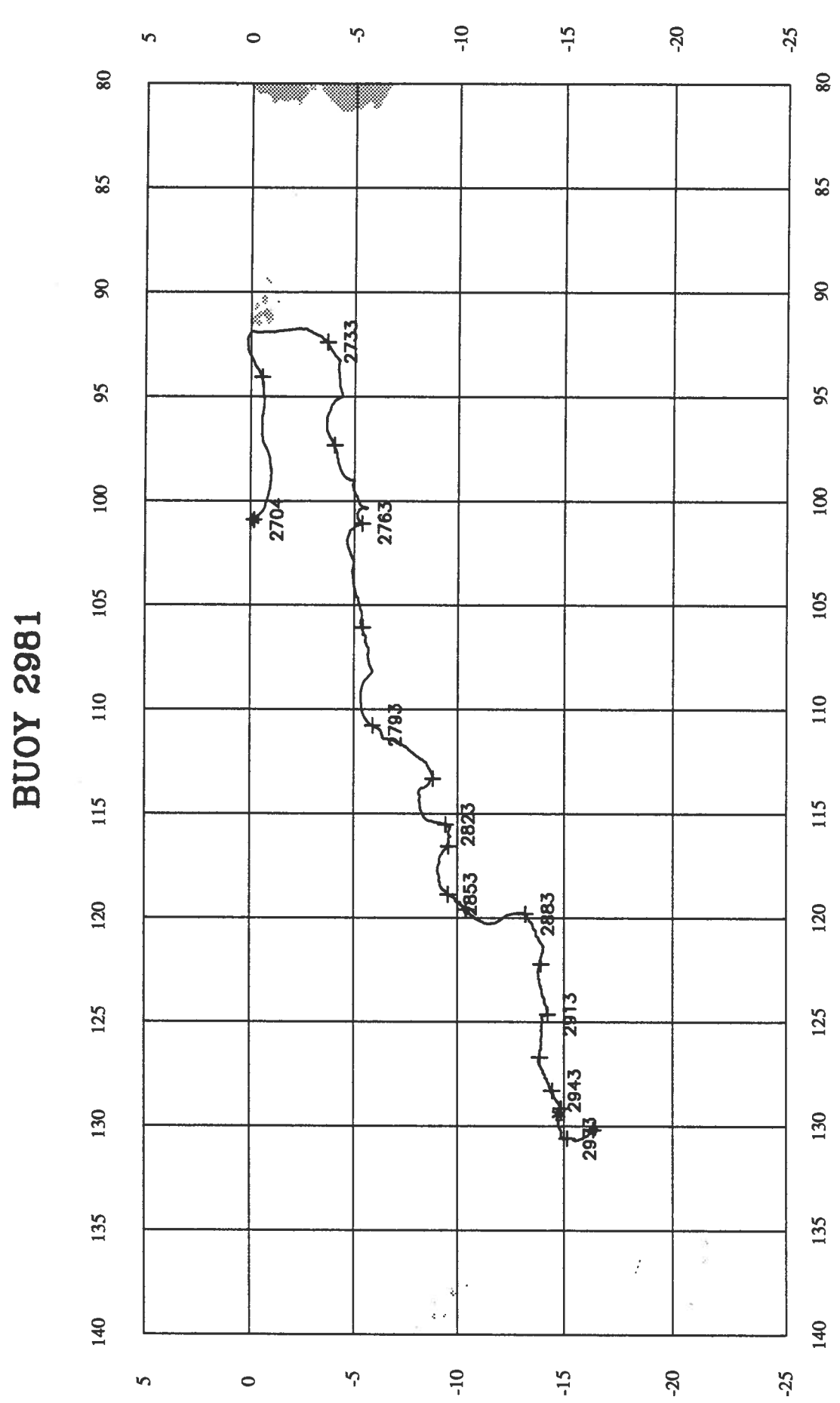
JULIAN DAYS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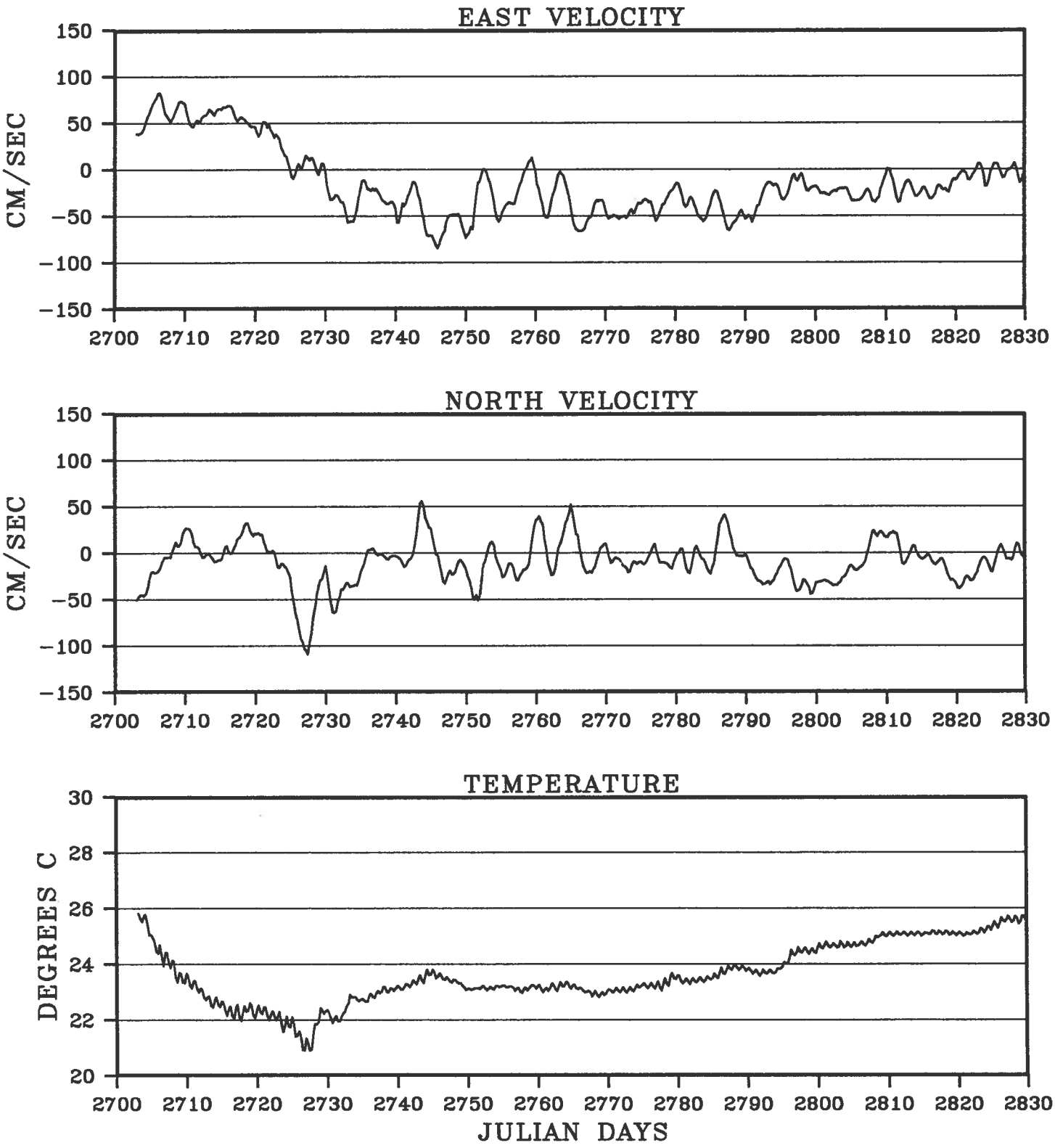
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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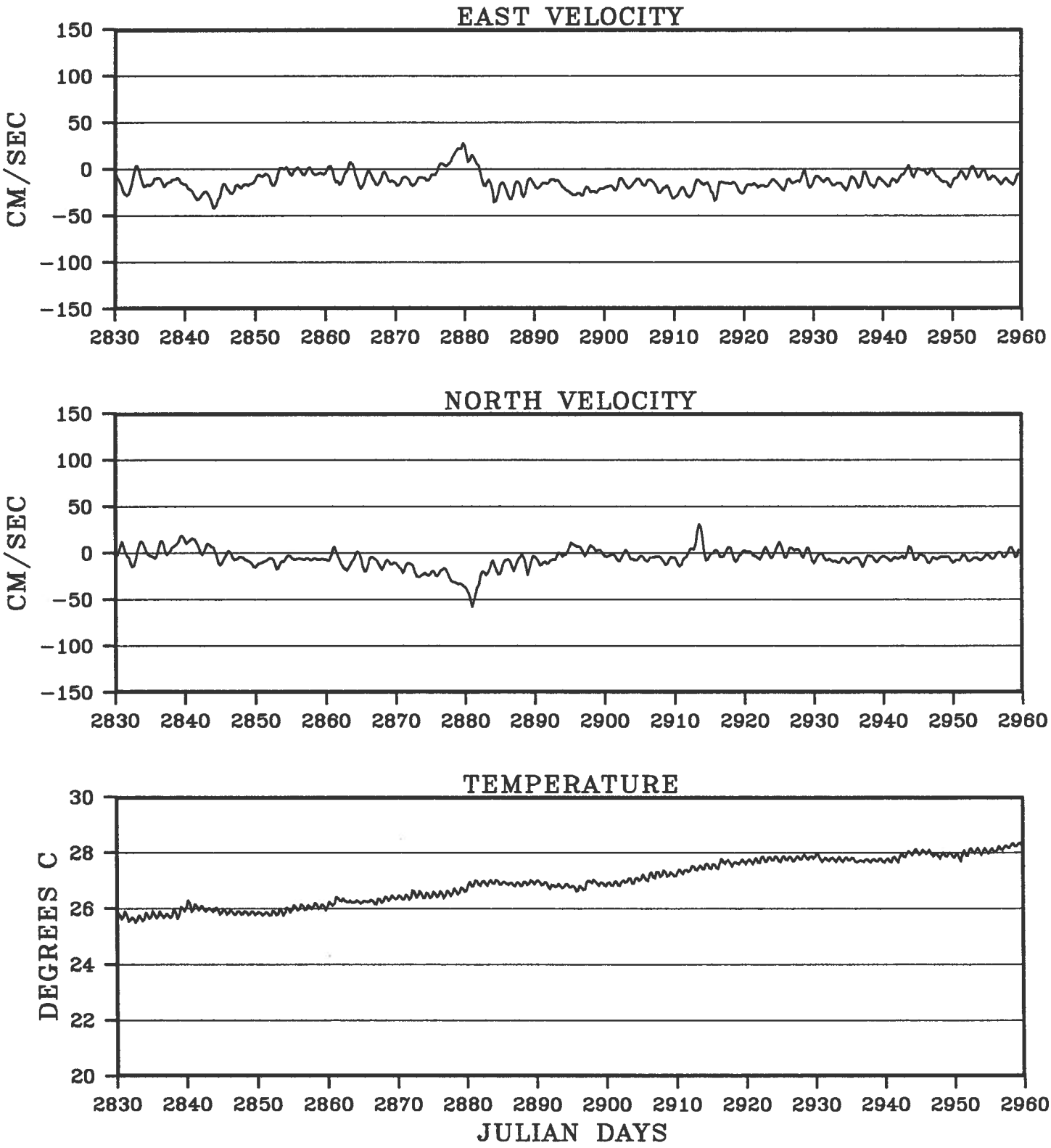
JULIAN DAYS

BUOY 2981


EAST VELOCITY
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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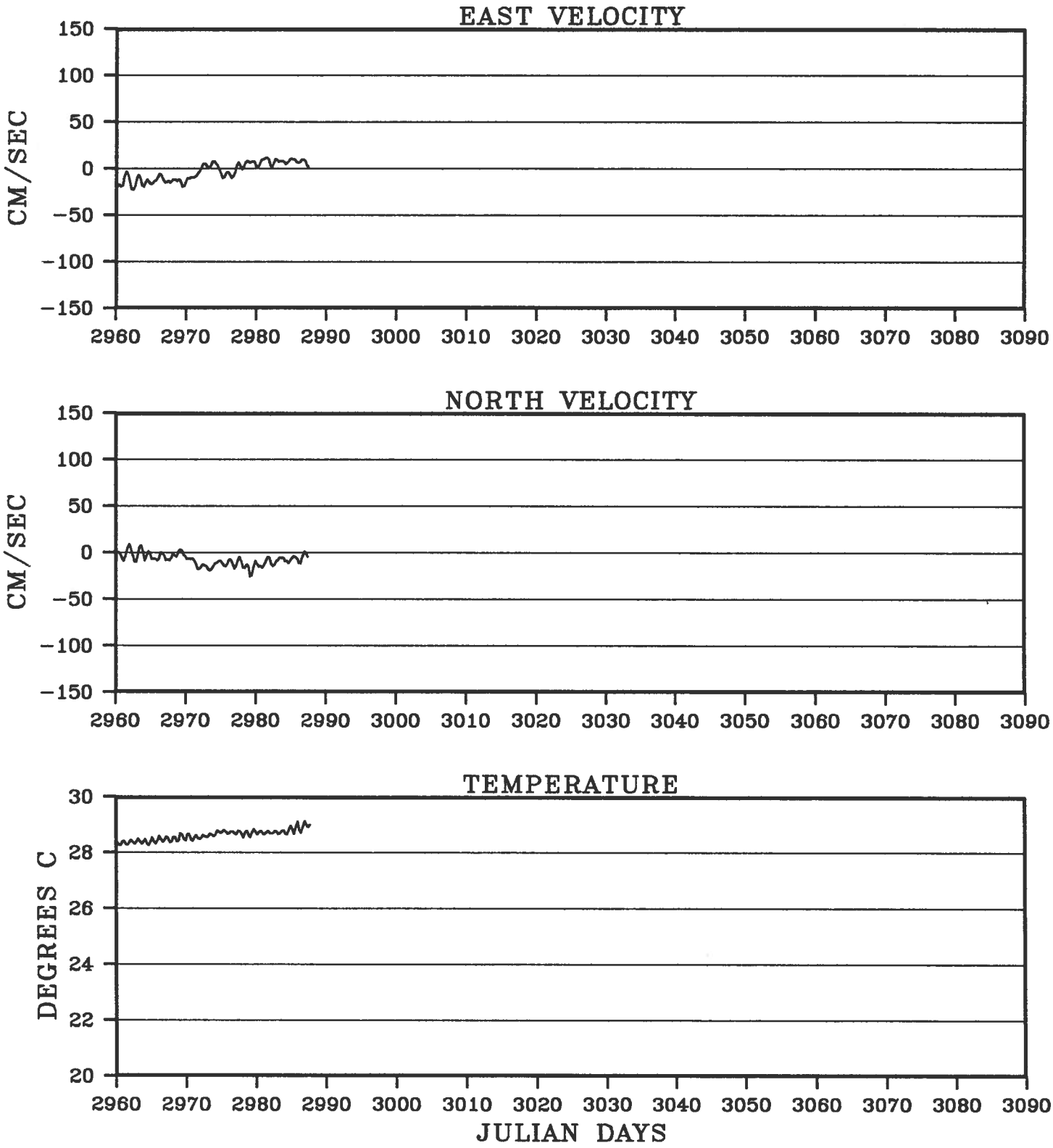
JULIAN DAYS

BUOY 2981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CM/SEC
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NORTH VELOCITY
CM/SEC
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100
50
0
-50
-100
-150
2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090
TEMPERATURE
DEGREES C
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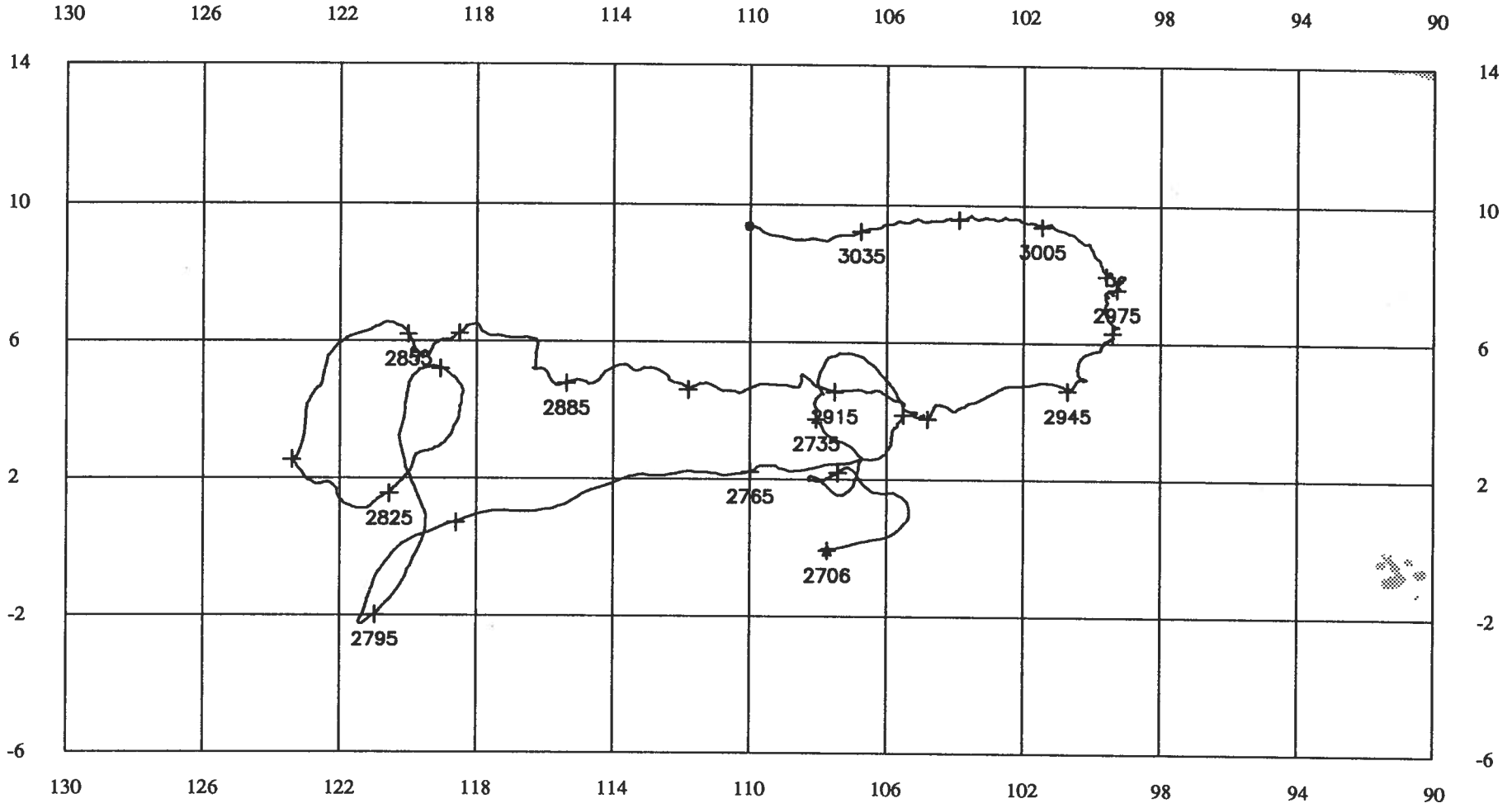
2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090
JULIAN DAYS

BUOY 2982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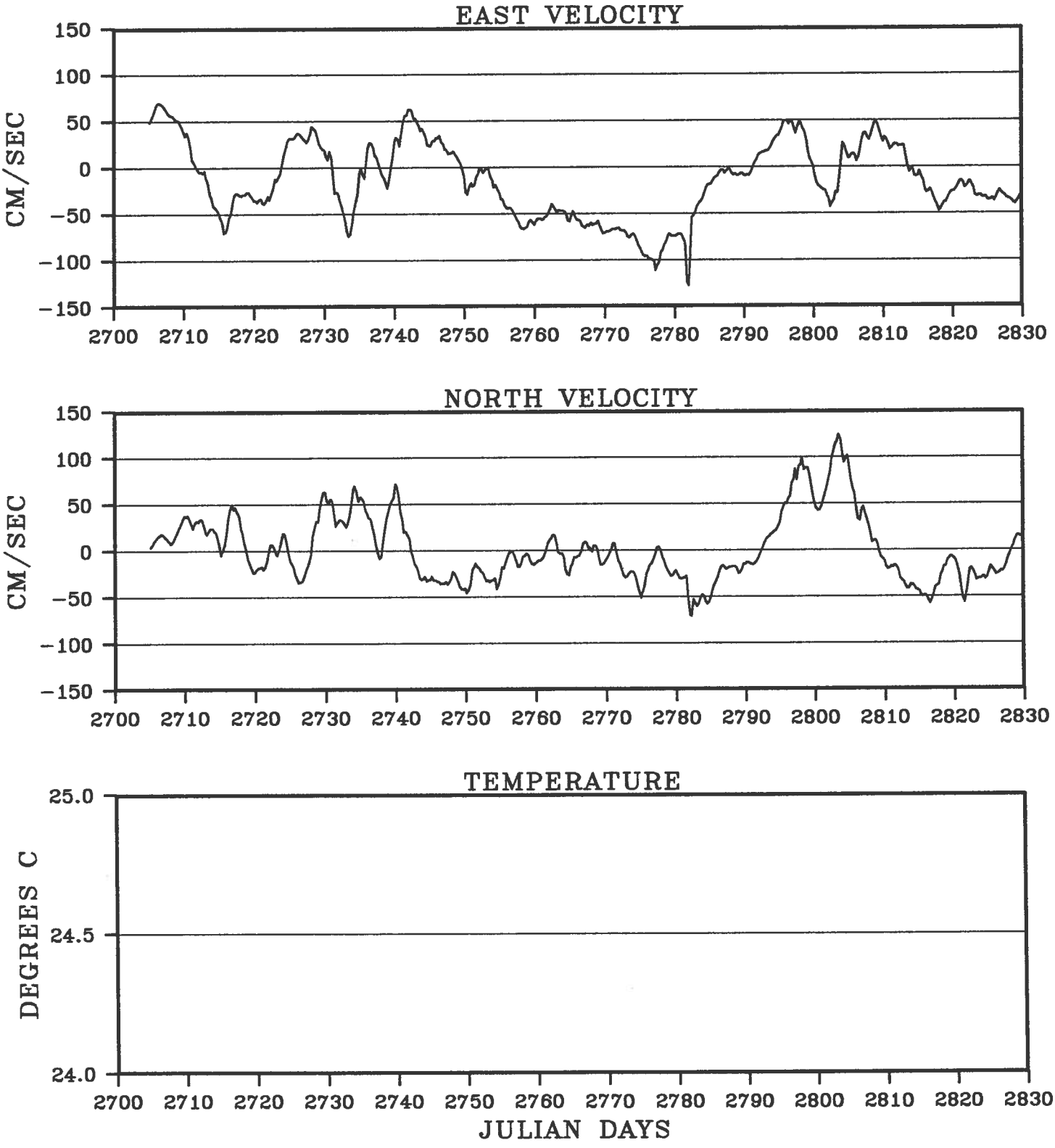
2795

BUOY 2982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2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830
NORTH VELOCITY
CM/SEC
150
100
50
0
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TEMPERATURE
DEGREES C
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24.0
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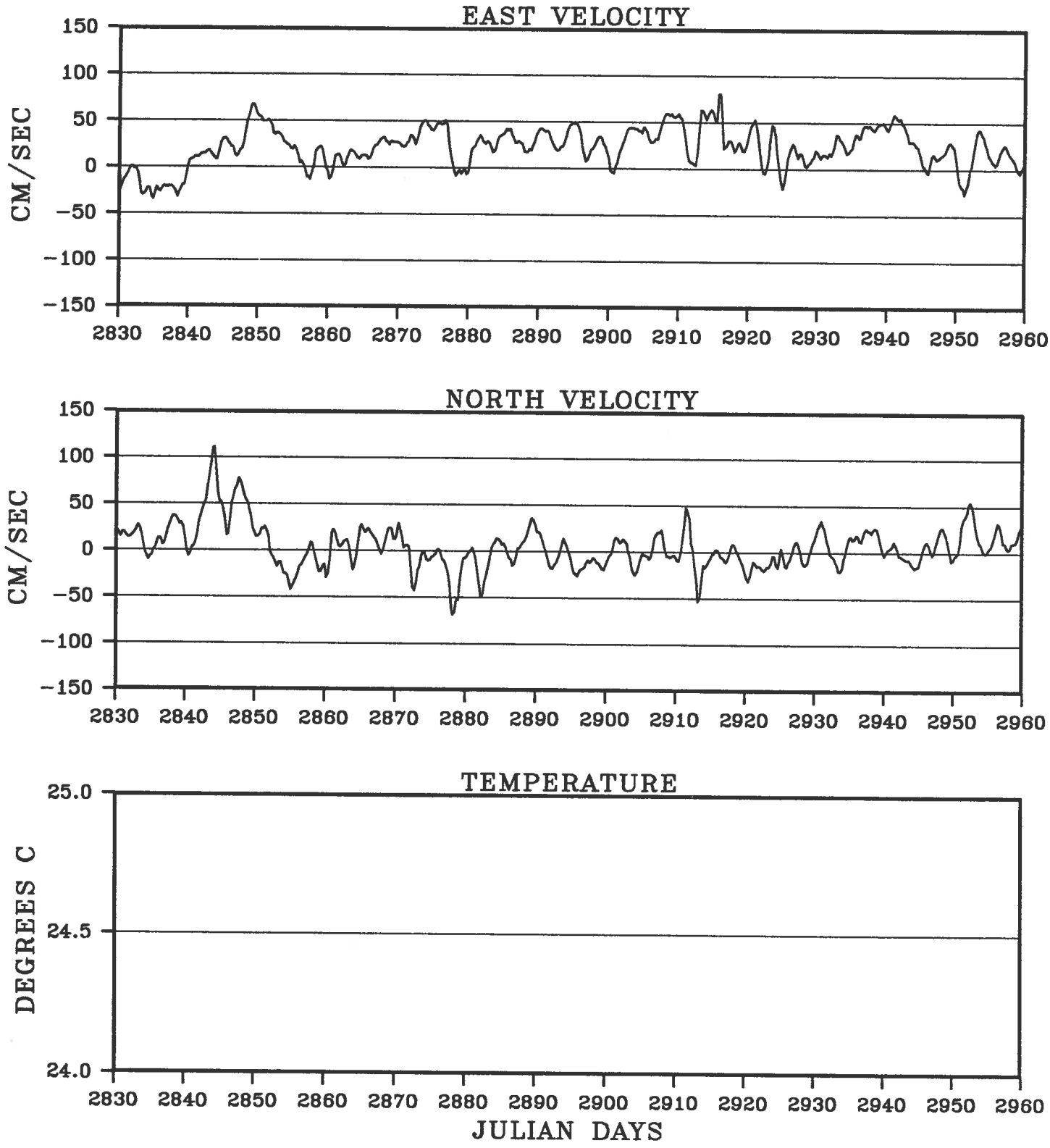
JULIAN DAYS

BUOY 2982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NORTH VELOCITY
CM/SEC
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100
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0
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2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960
TEMPERATURE
DEGREES C
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24.0
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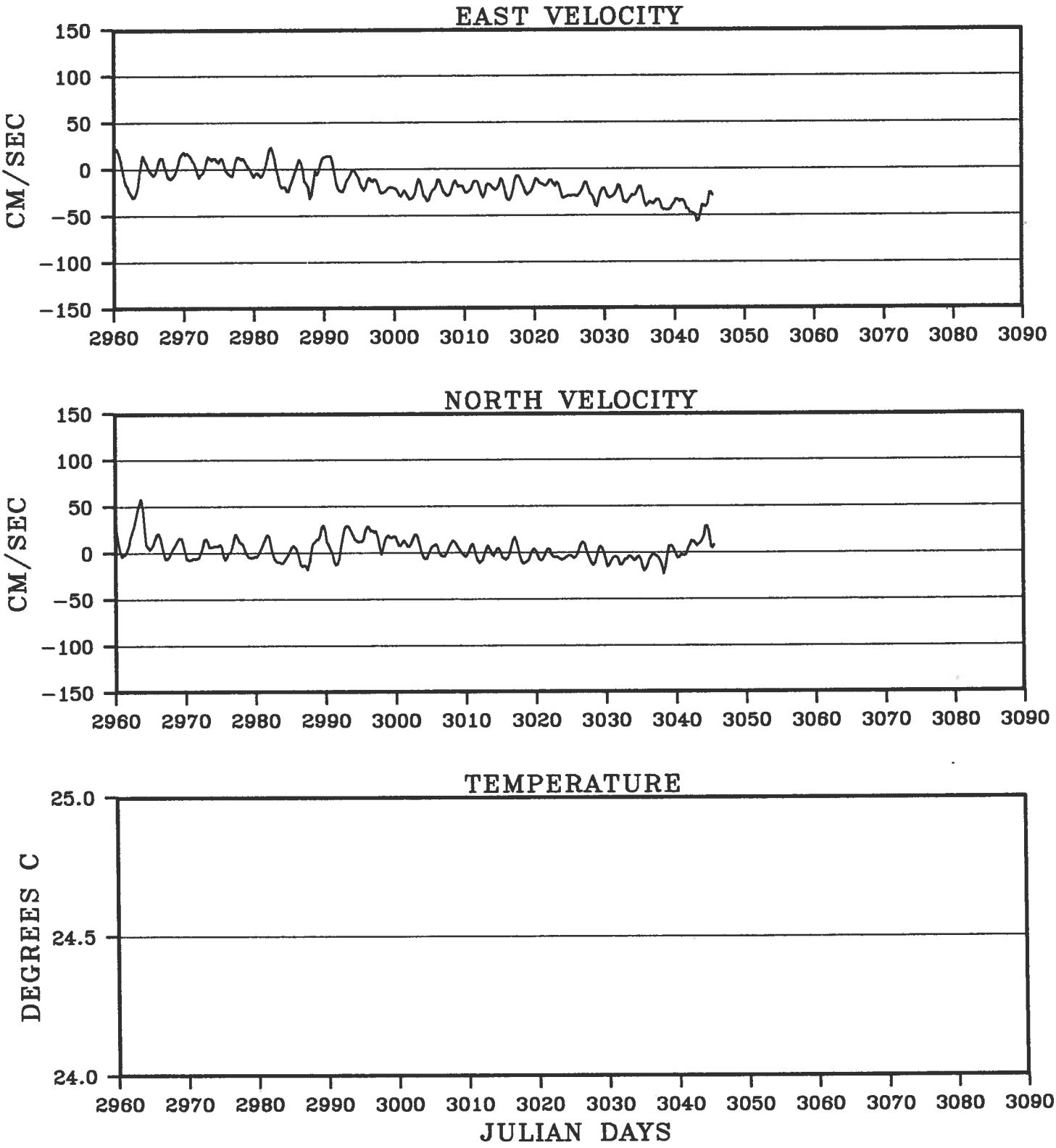
JULIAN DAYS

BUOY 2982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CM/SEC
2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090
NORTH VELOCITY
150
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CM/SEC
2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090
TEMPERATURE
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DEGREES C
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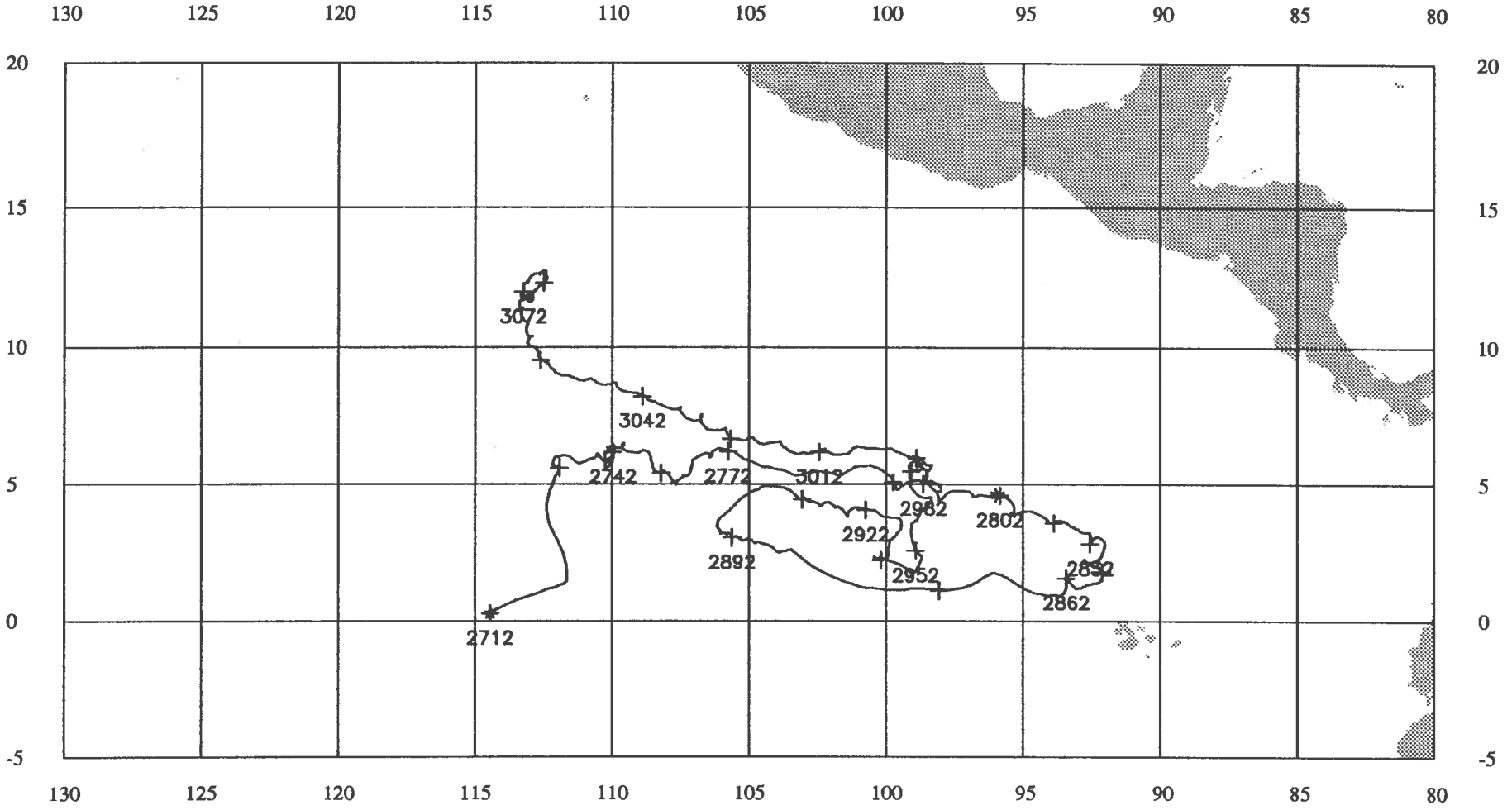
JULIAN DAYS

BUOY 2983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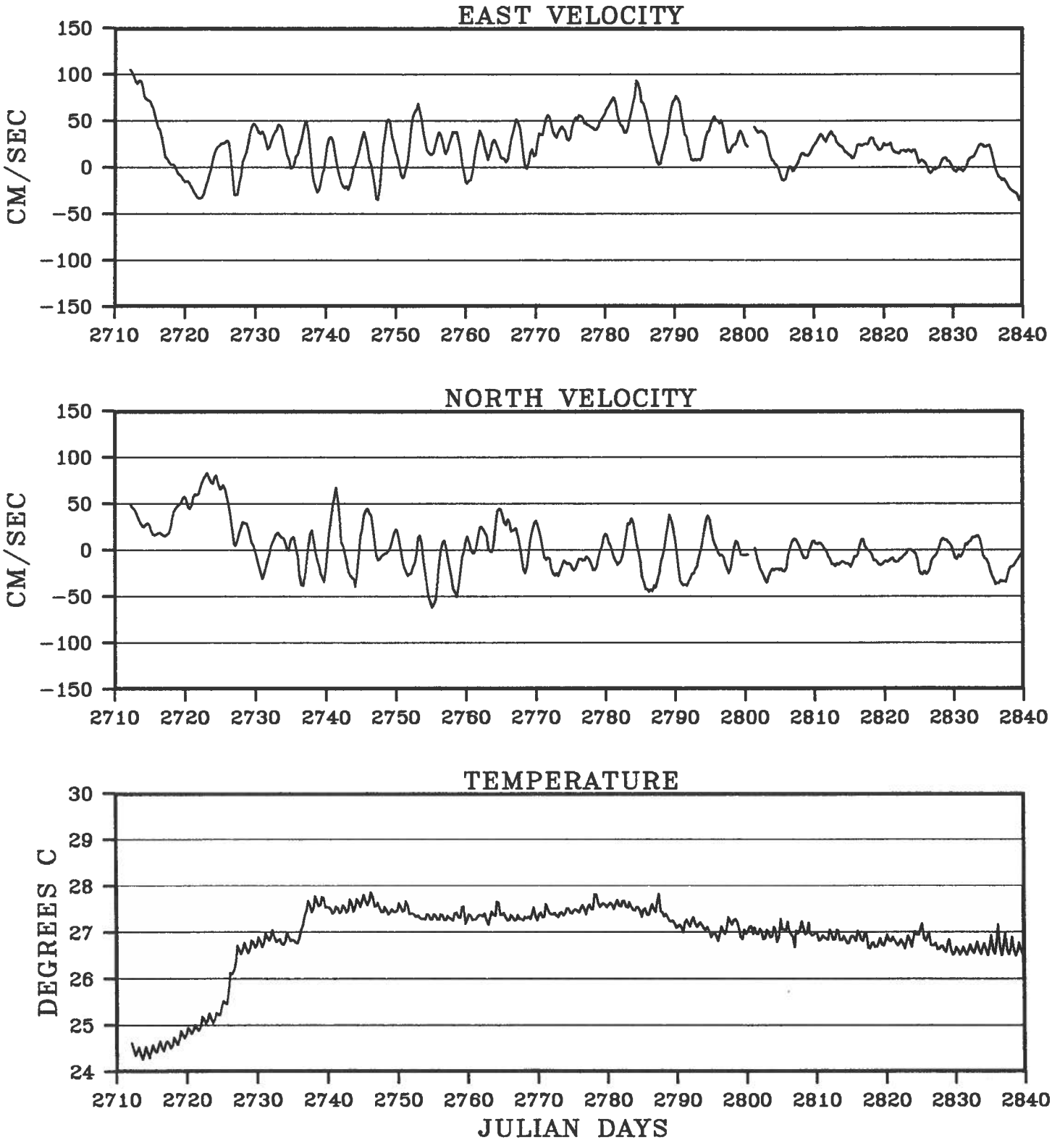
2712

BUOY 2983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NORTH VELOCITY
CM/SEC
150
100
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0
-50
-100
-150
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840
TEMPERATURE
DEGREES C
30
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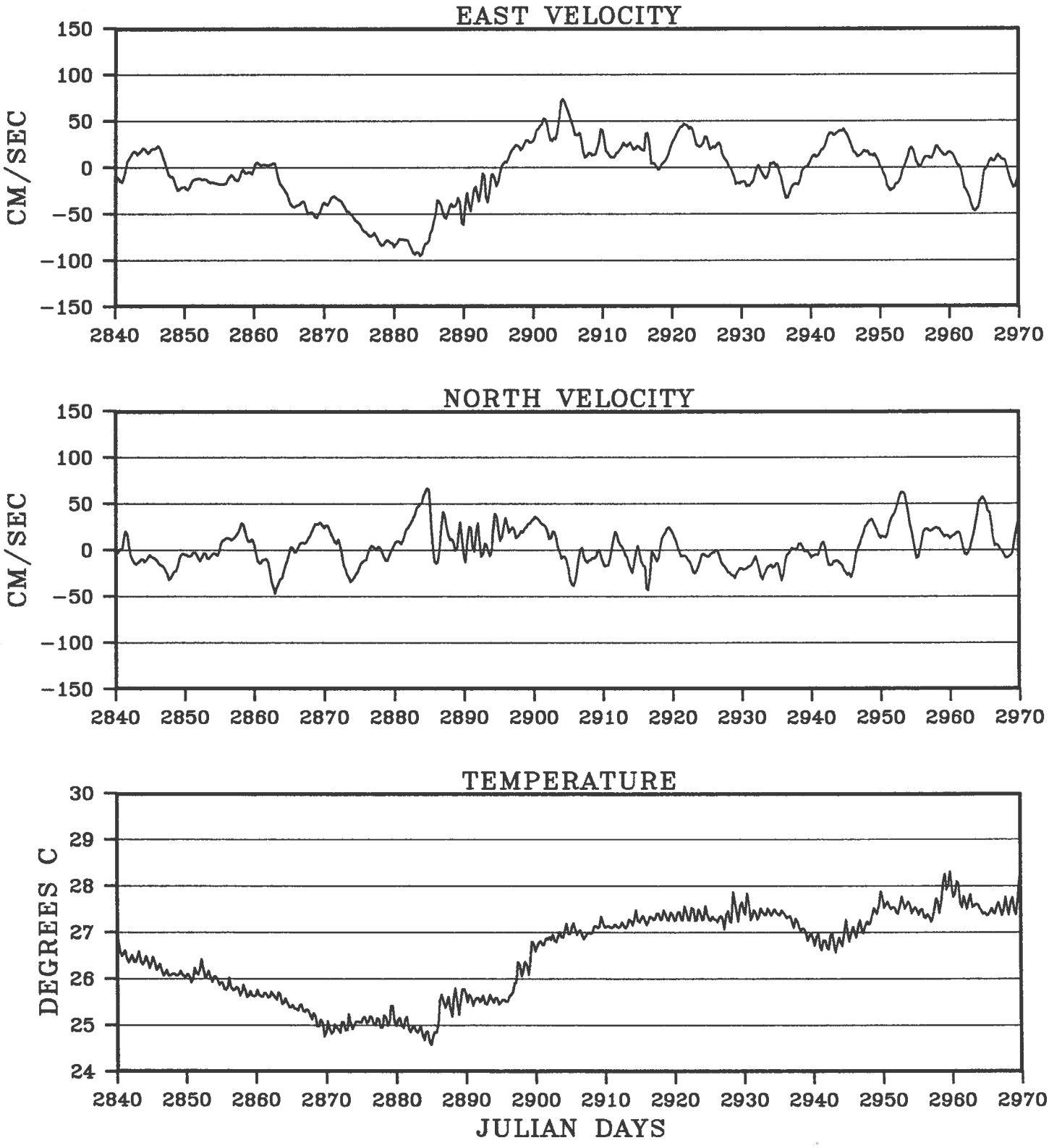
2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840
JULIAN DAYS

BUOY 2983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2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970
NORTH VELOCITY
CM/SEC
150
100
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−50
−100
−150
2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970
TEMPERATURE
DEGREES C
30
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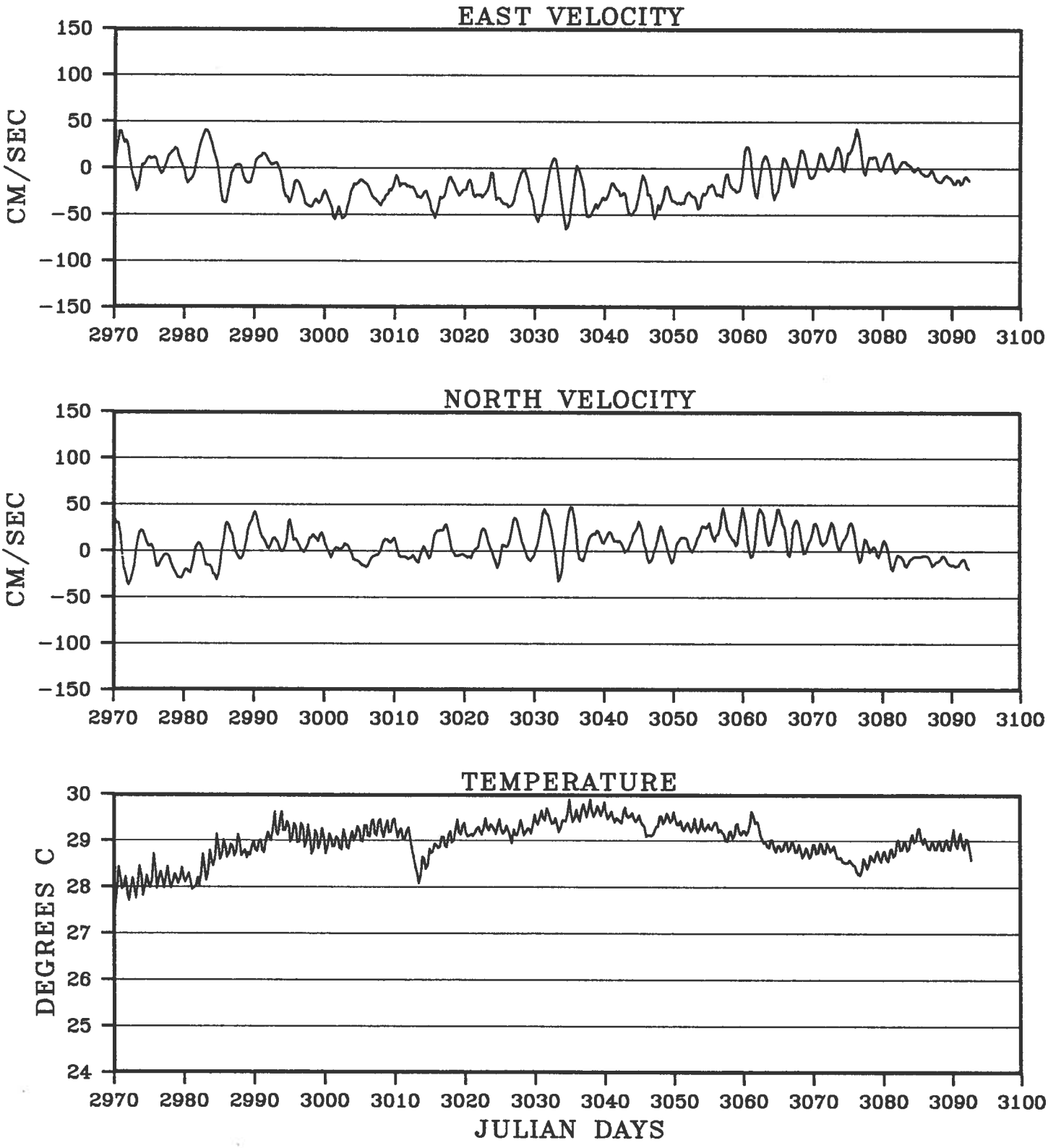
JULIAN DAYS

BUOY 2983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CM/SEC
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TEMPERATURE
DEGREES C
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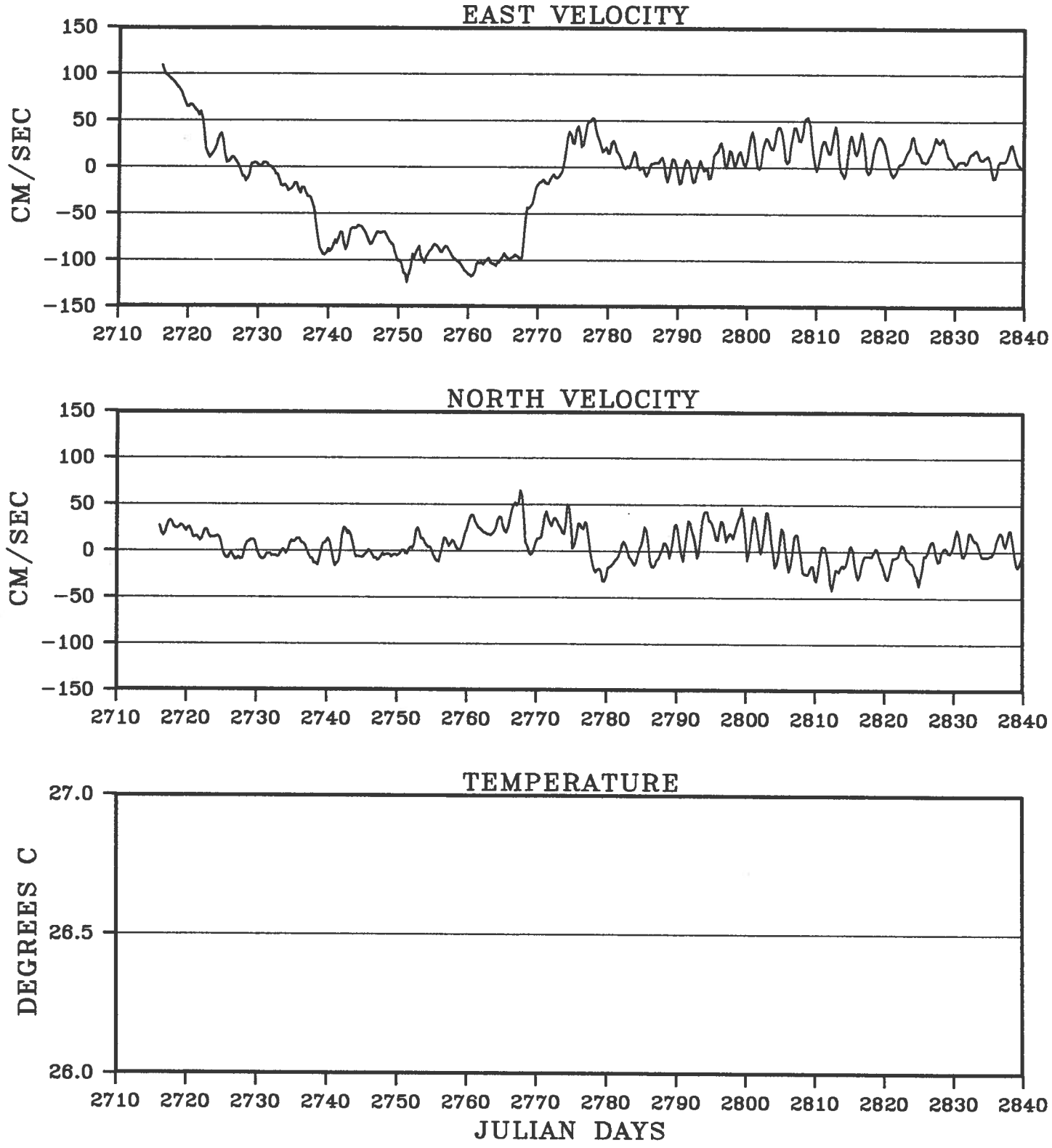
JULIAN DAYS

BUOY 2984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−150
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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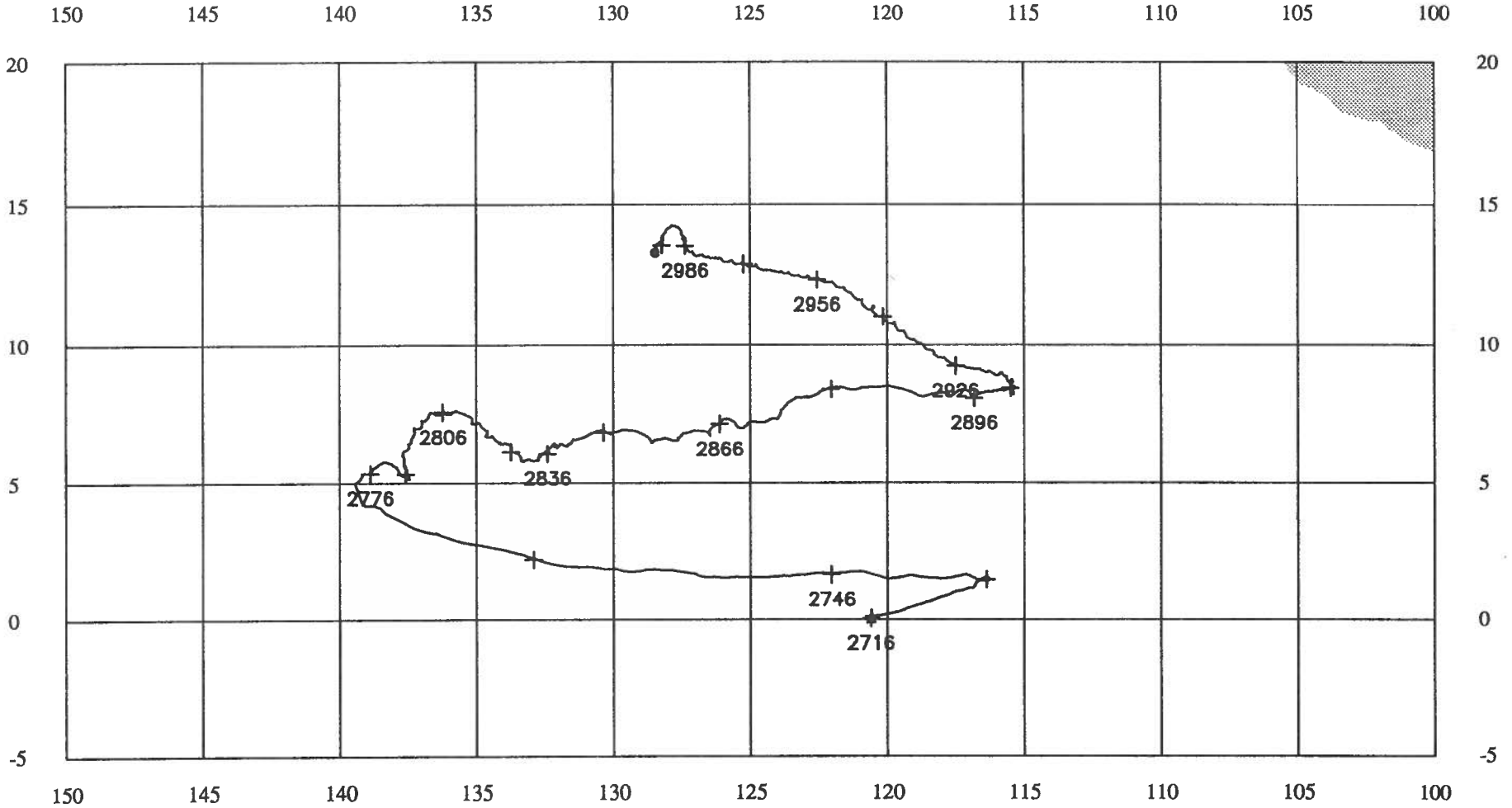
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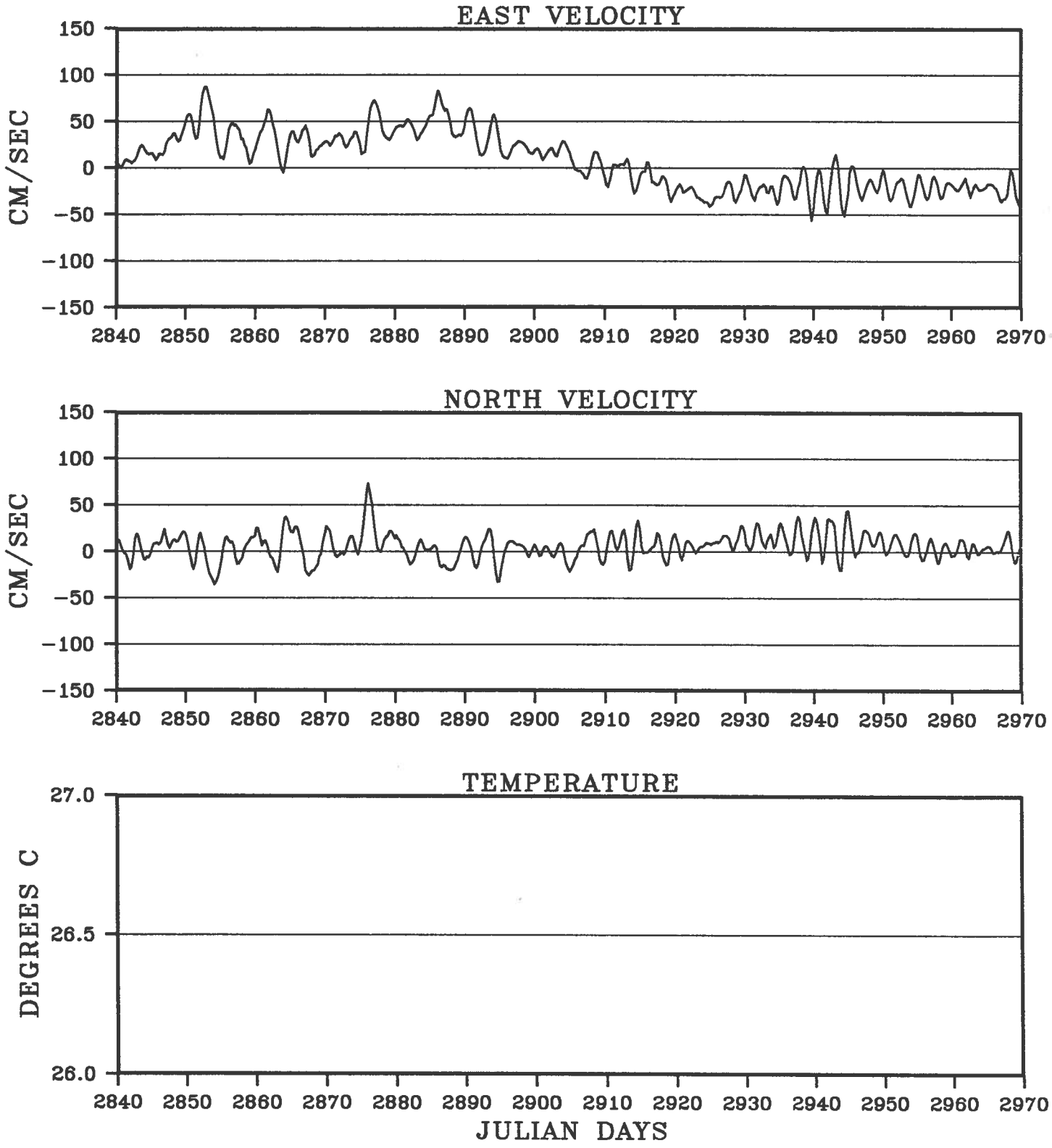
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CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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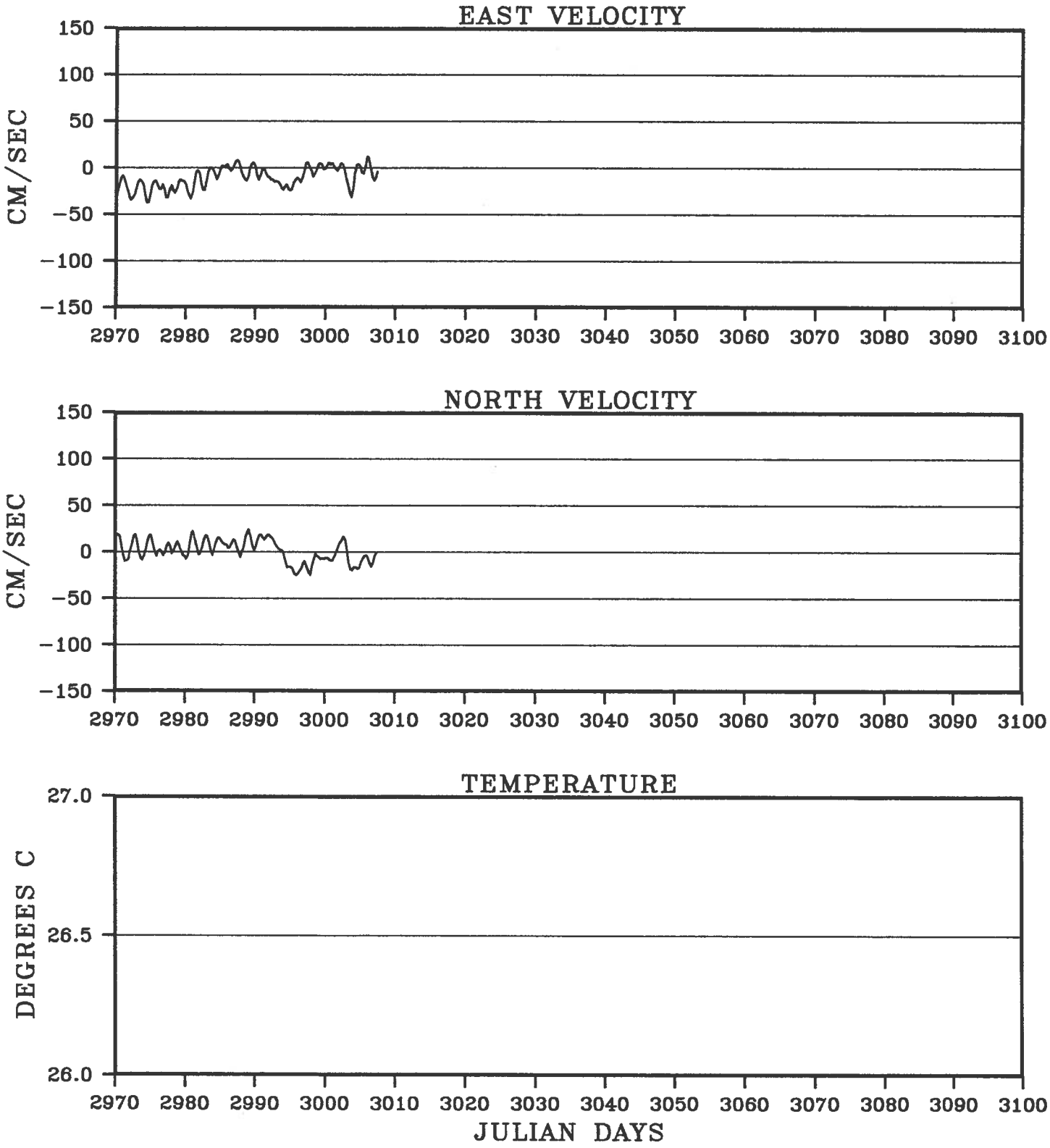
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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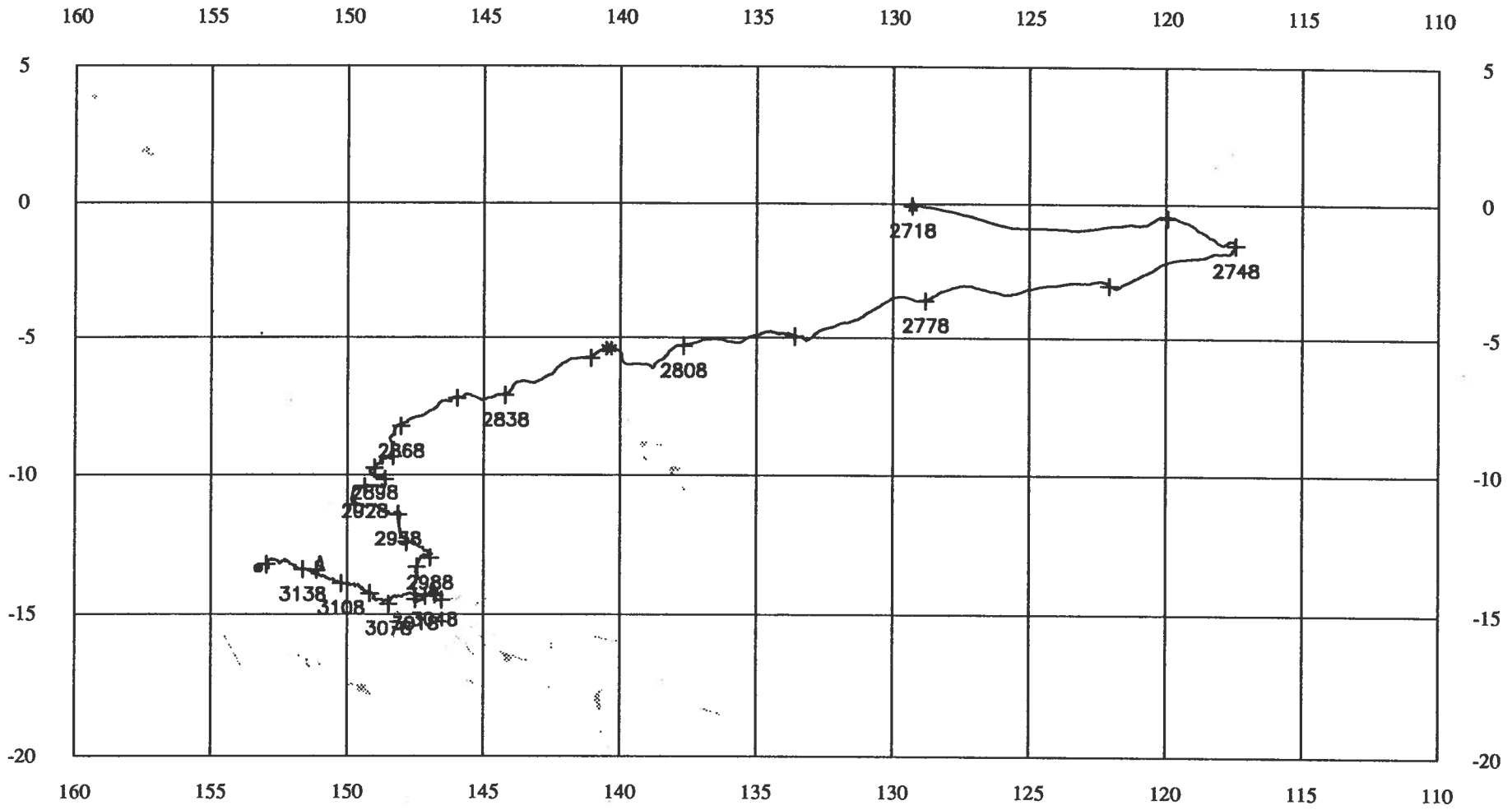
JULIAN DAYS

BUOY 2985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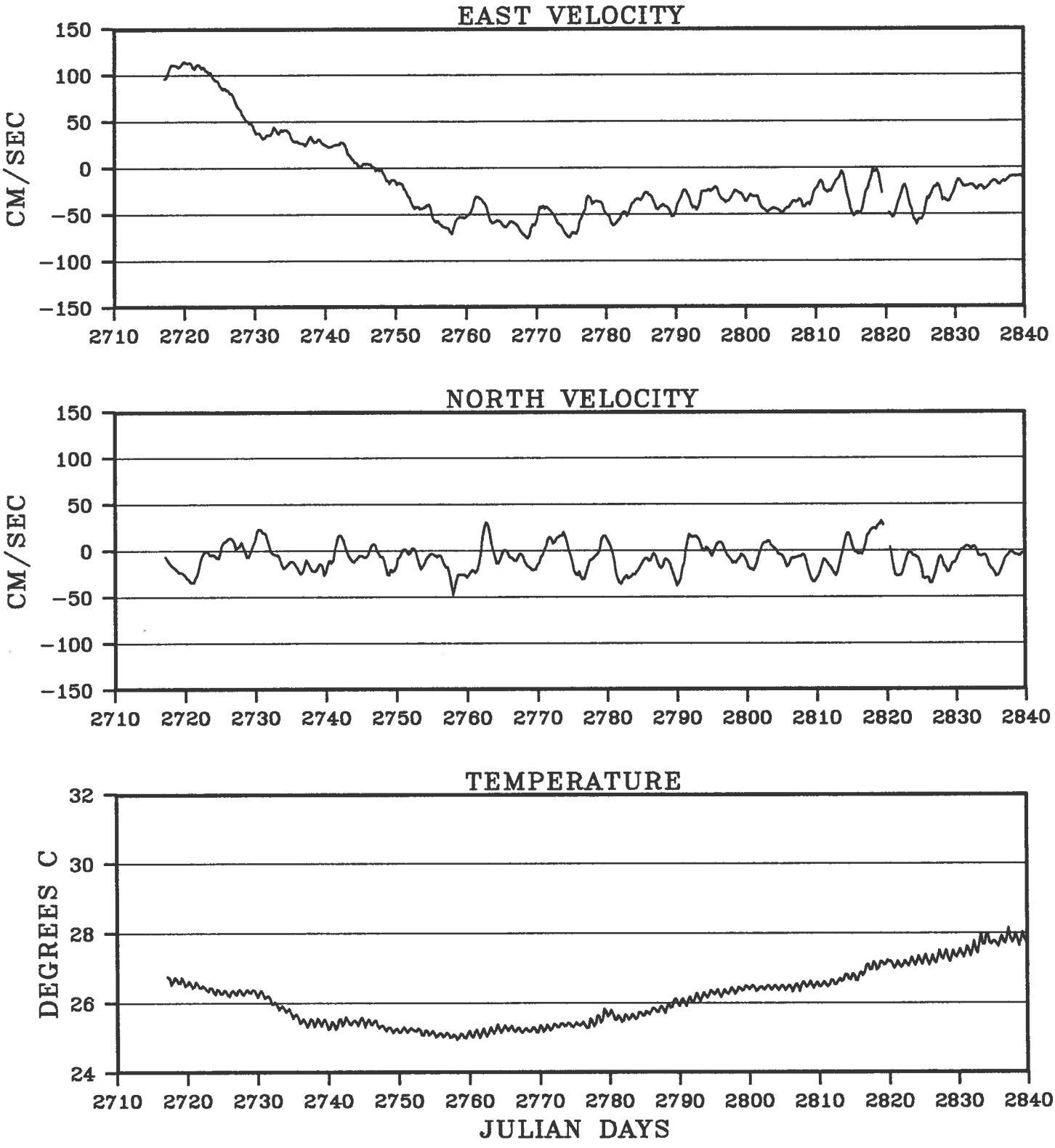
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CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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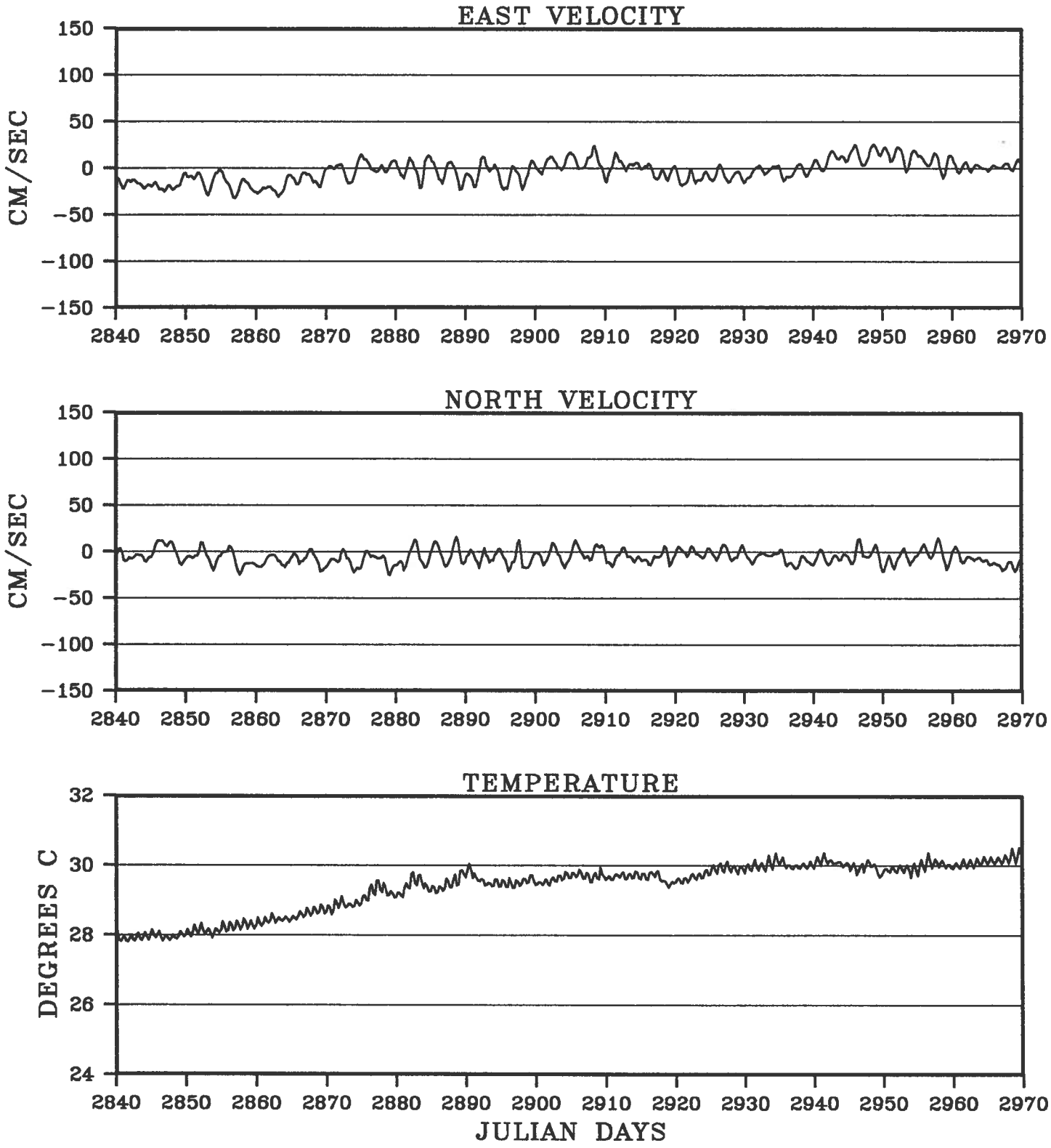
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CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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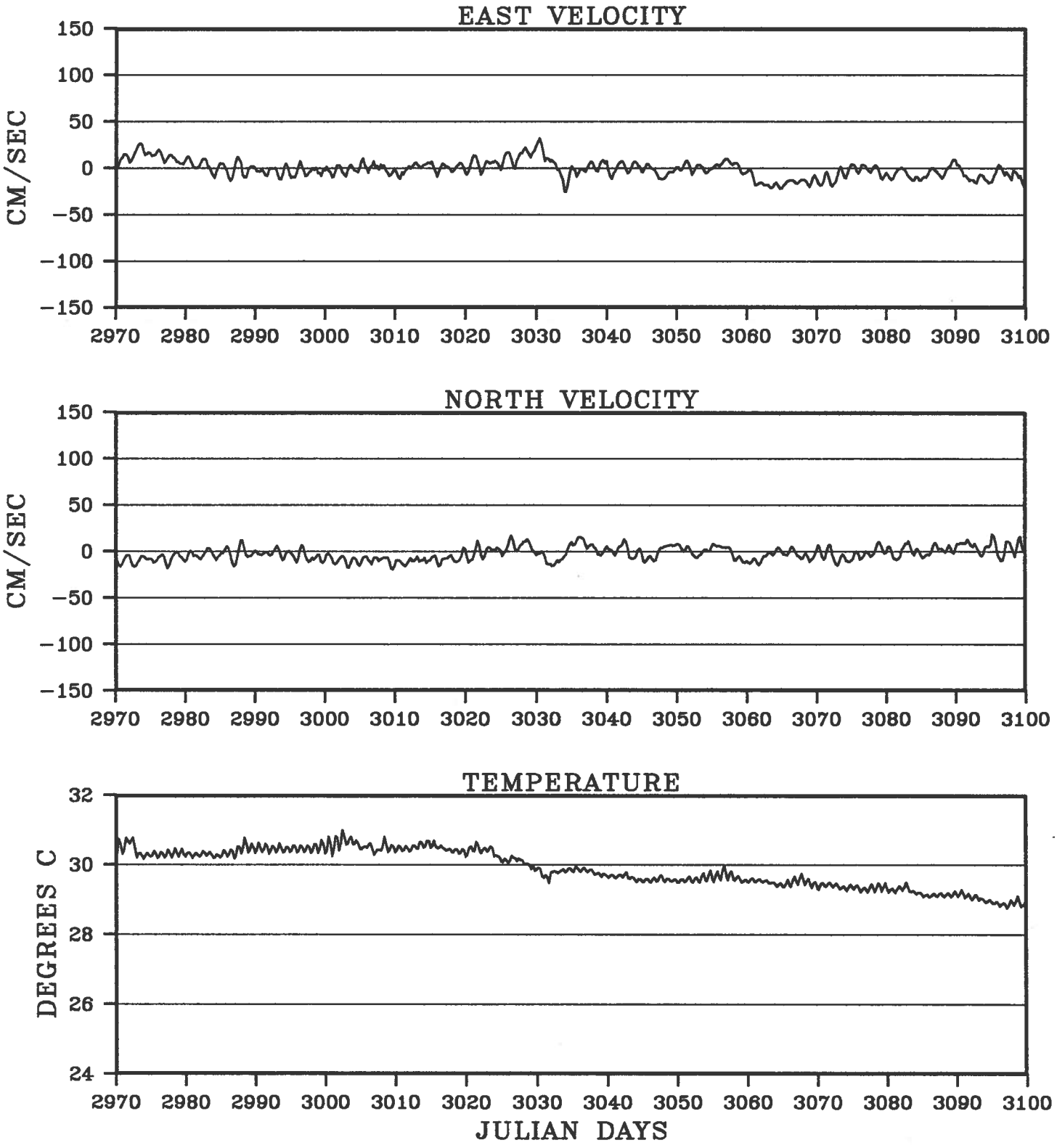
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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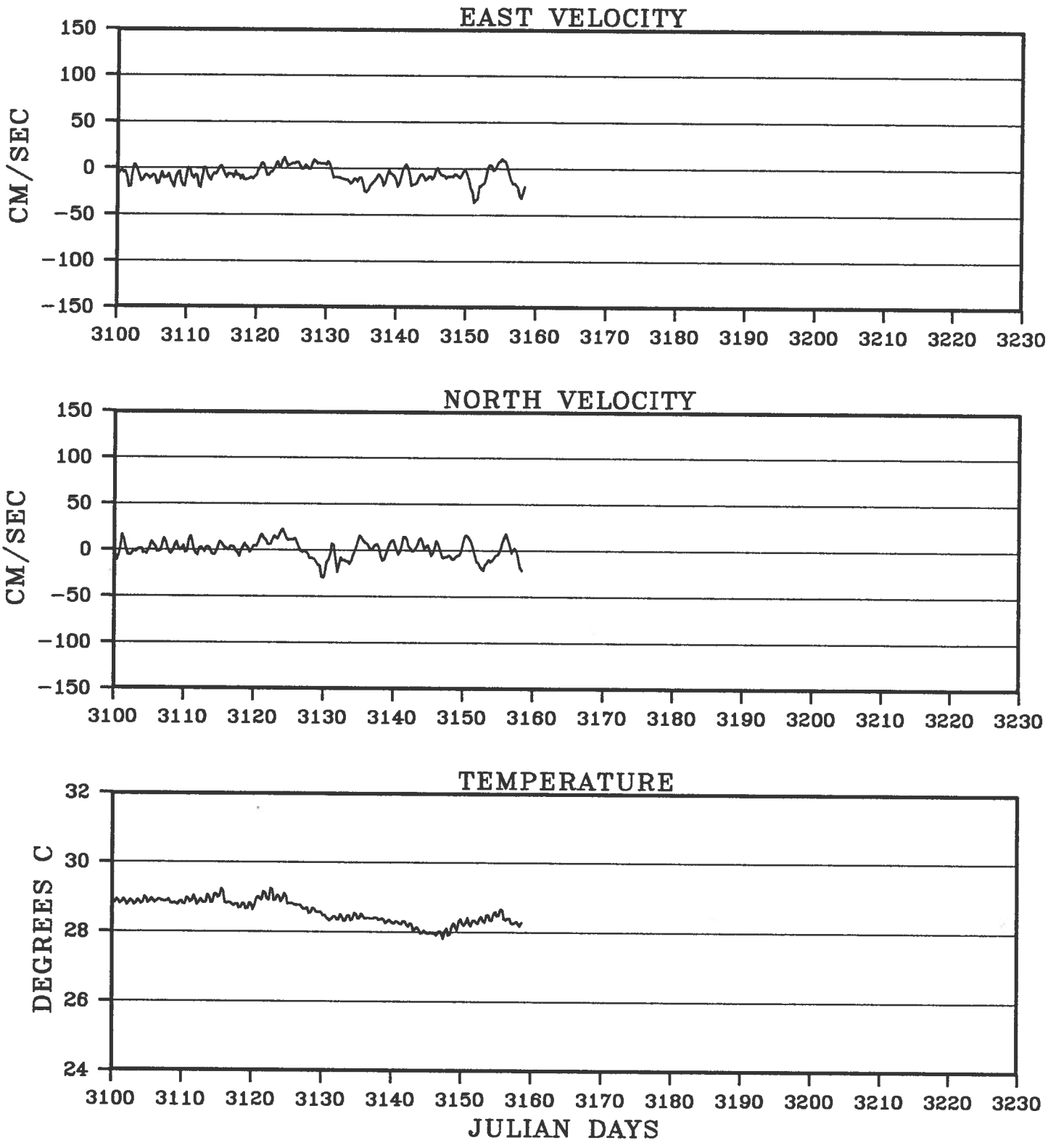
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NORTH VELOCITY
CM/SEC
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3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230
TEMPERATURE
DEGREES C
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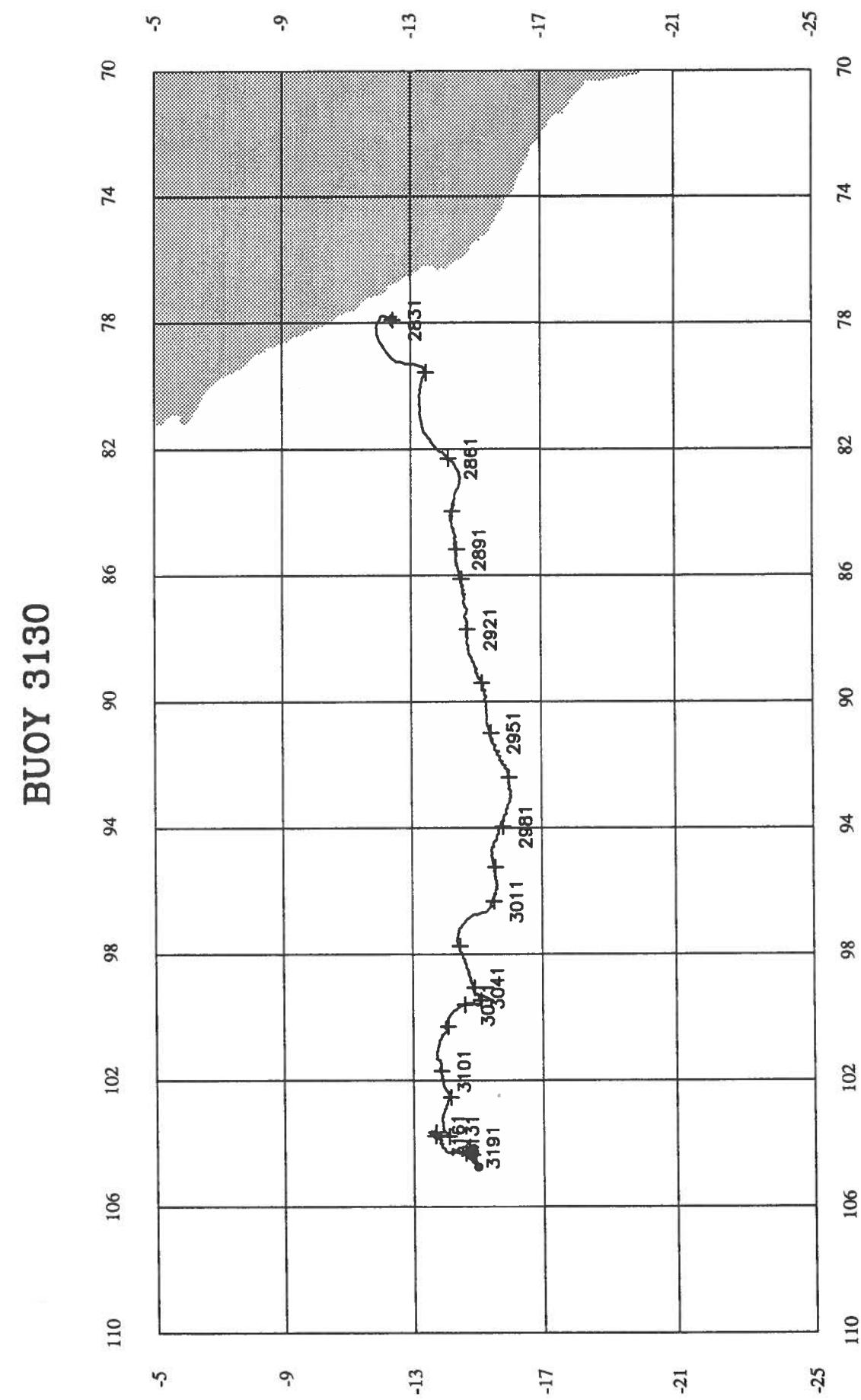
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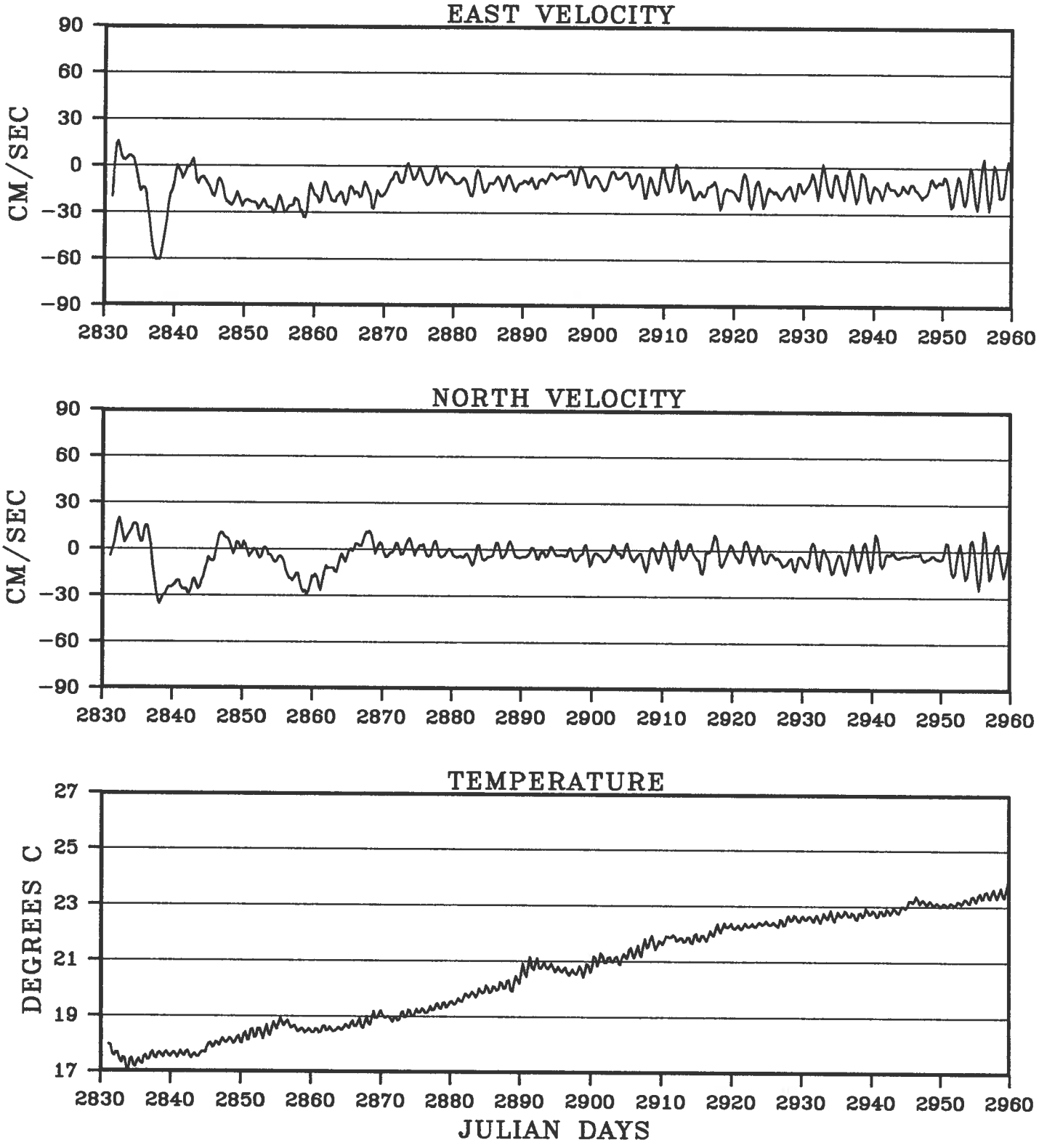
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CM/SEC
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CM/SEC
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TEMPERATURE
DEGREES C
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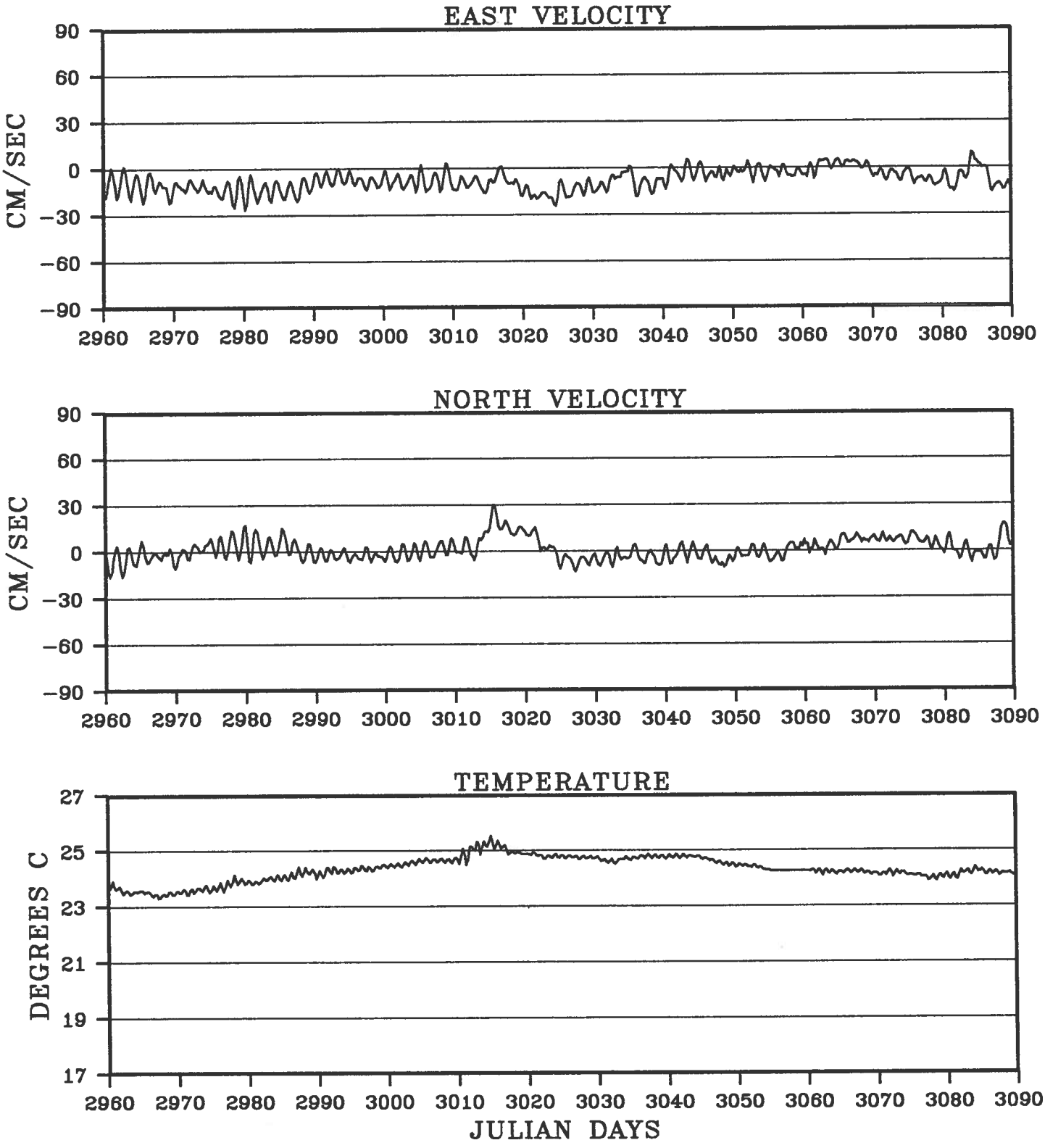
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CM/SEC
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TEMPERATURE
DEGREES C
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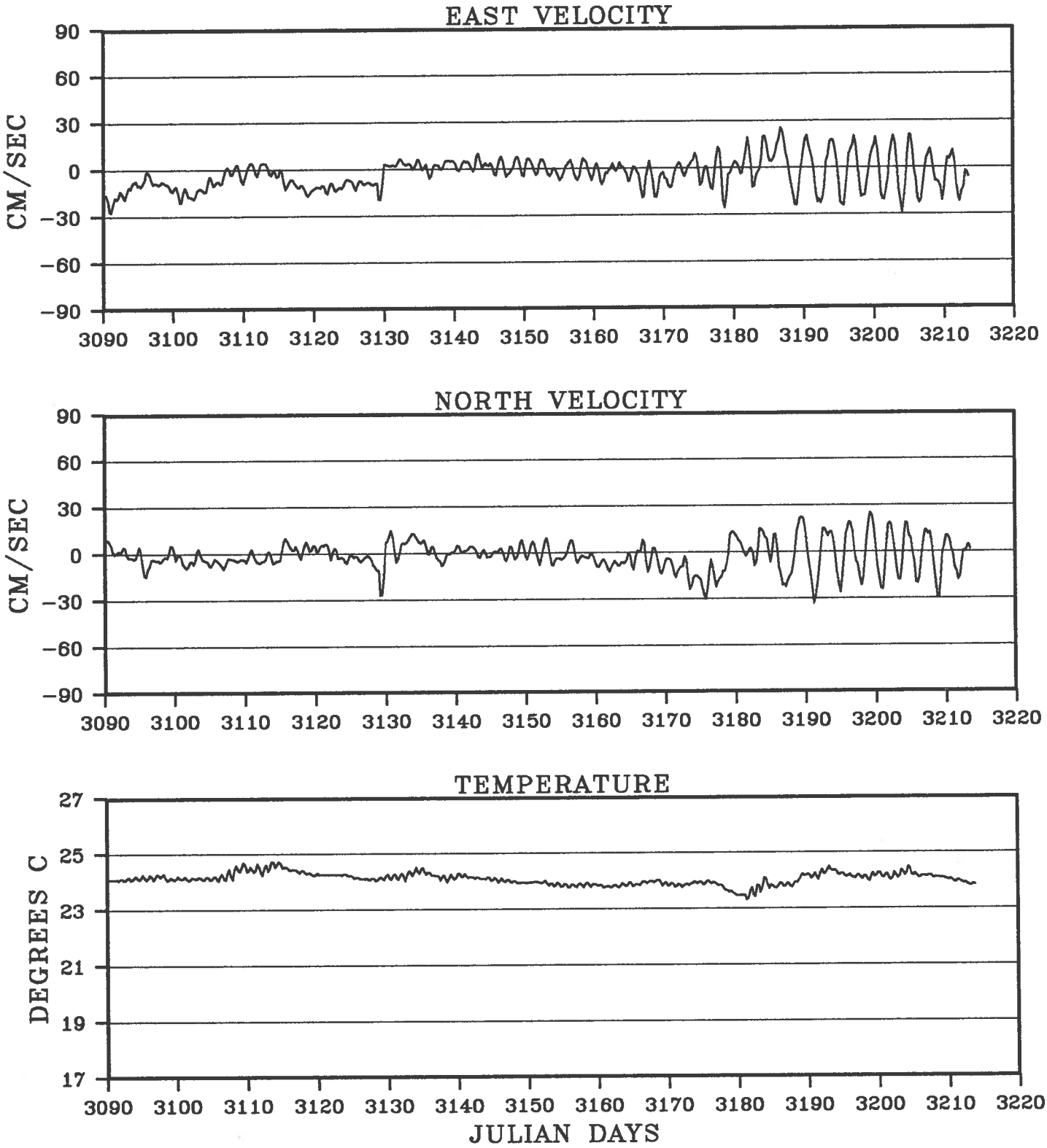
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CM/SEC
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TEMPERATURE
DEGREES C
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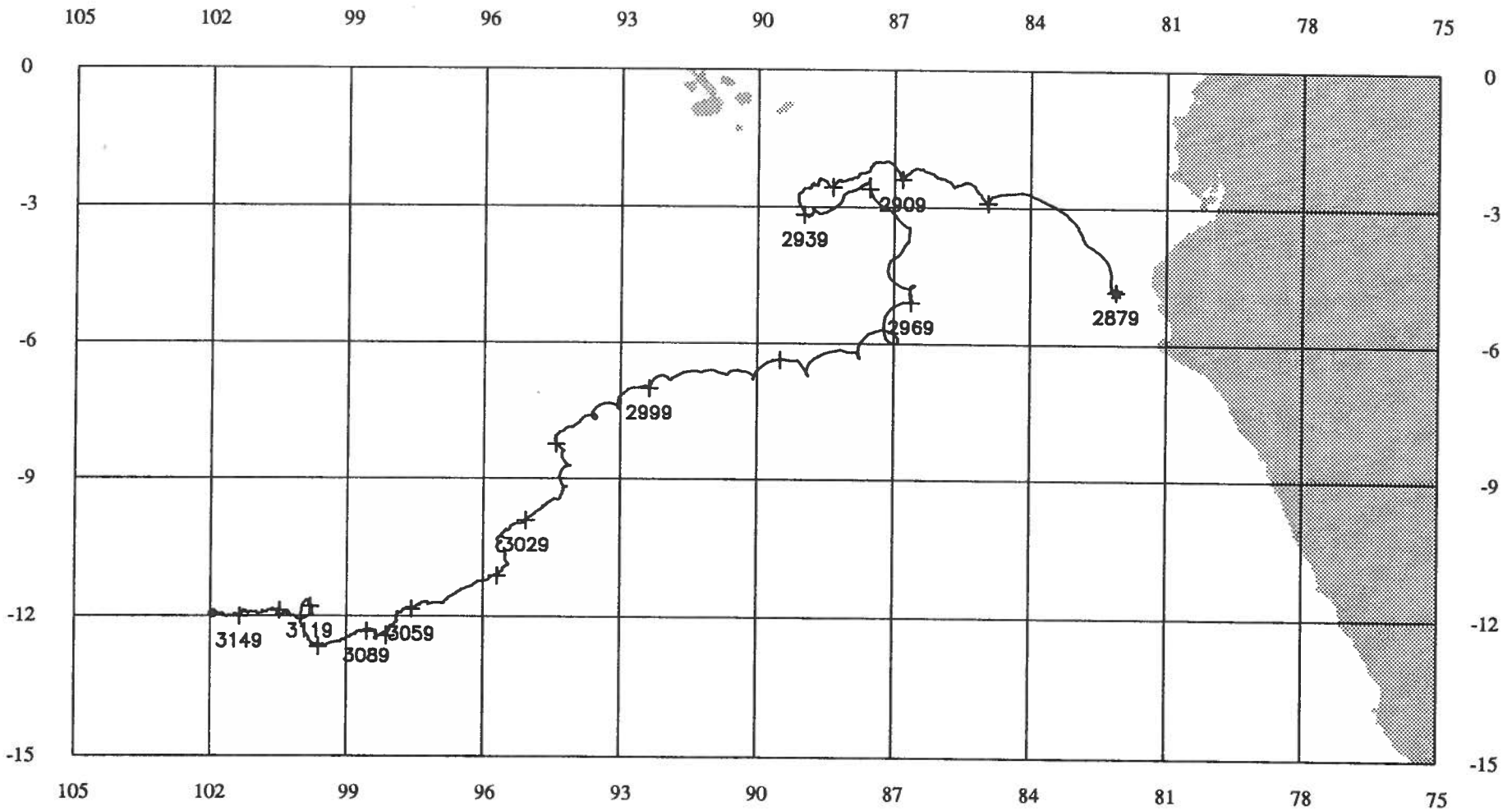
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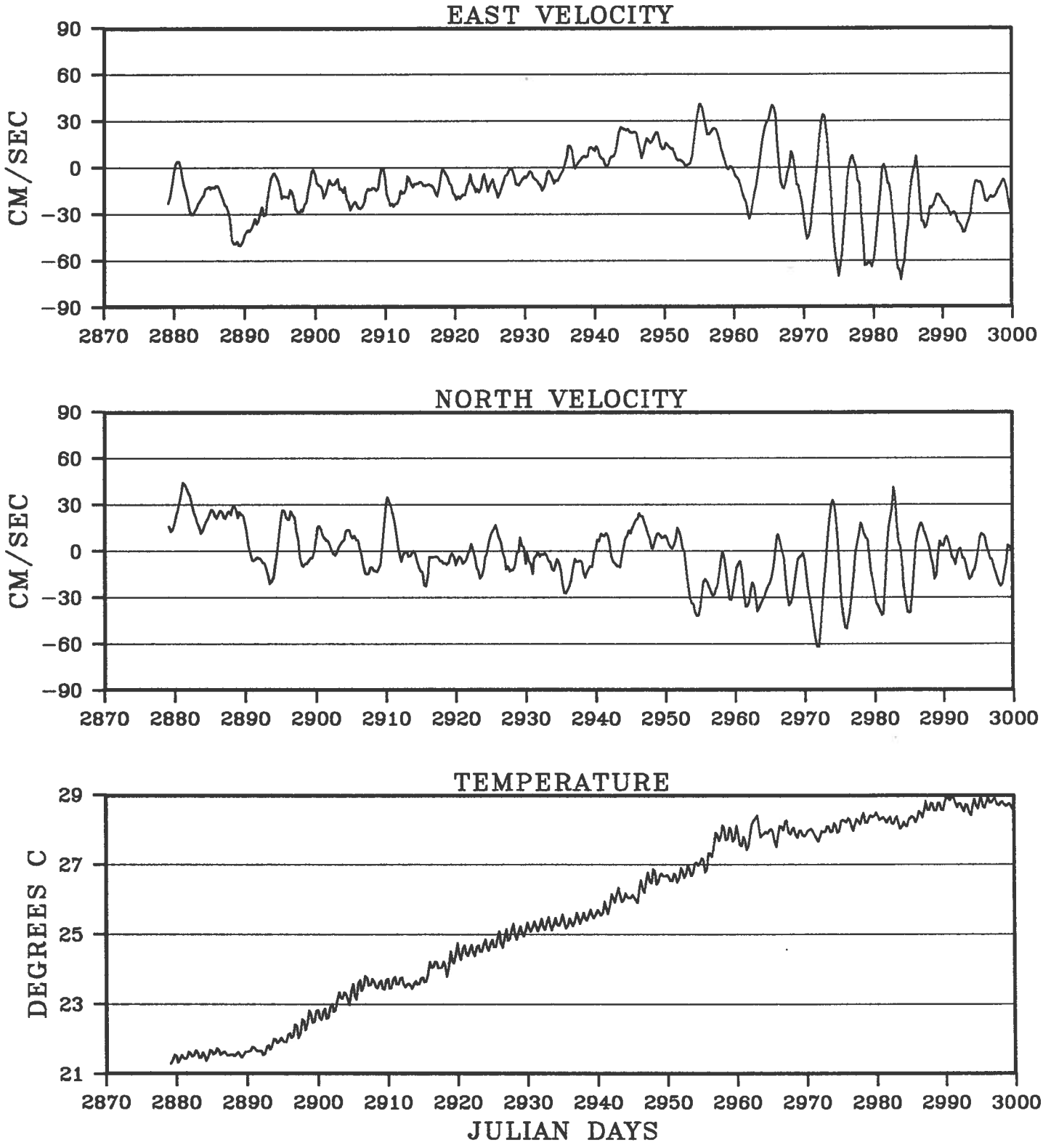
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
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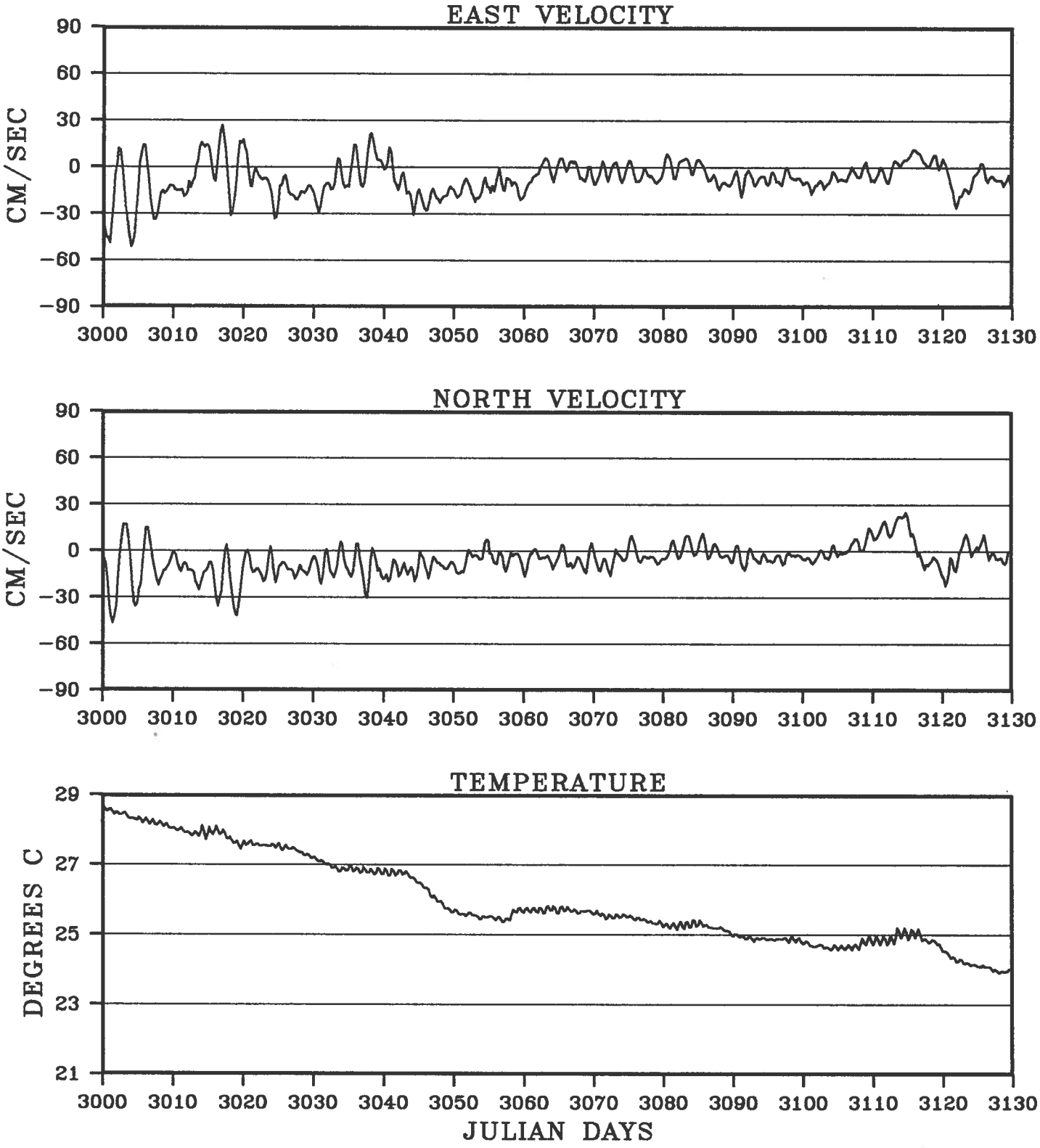
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NORTH VELOCITY
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TEMPERATURE
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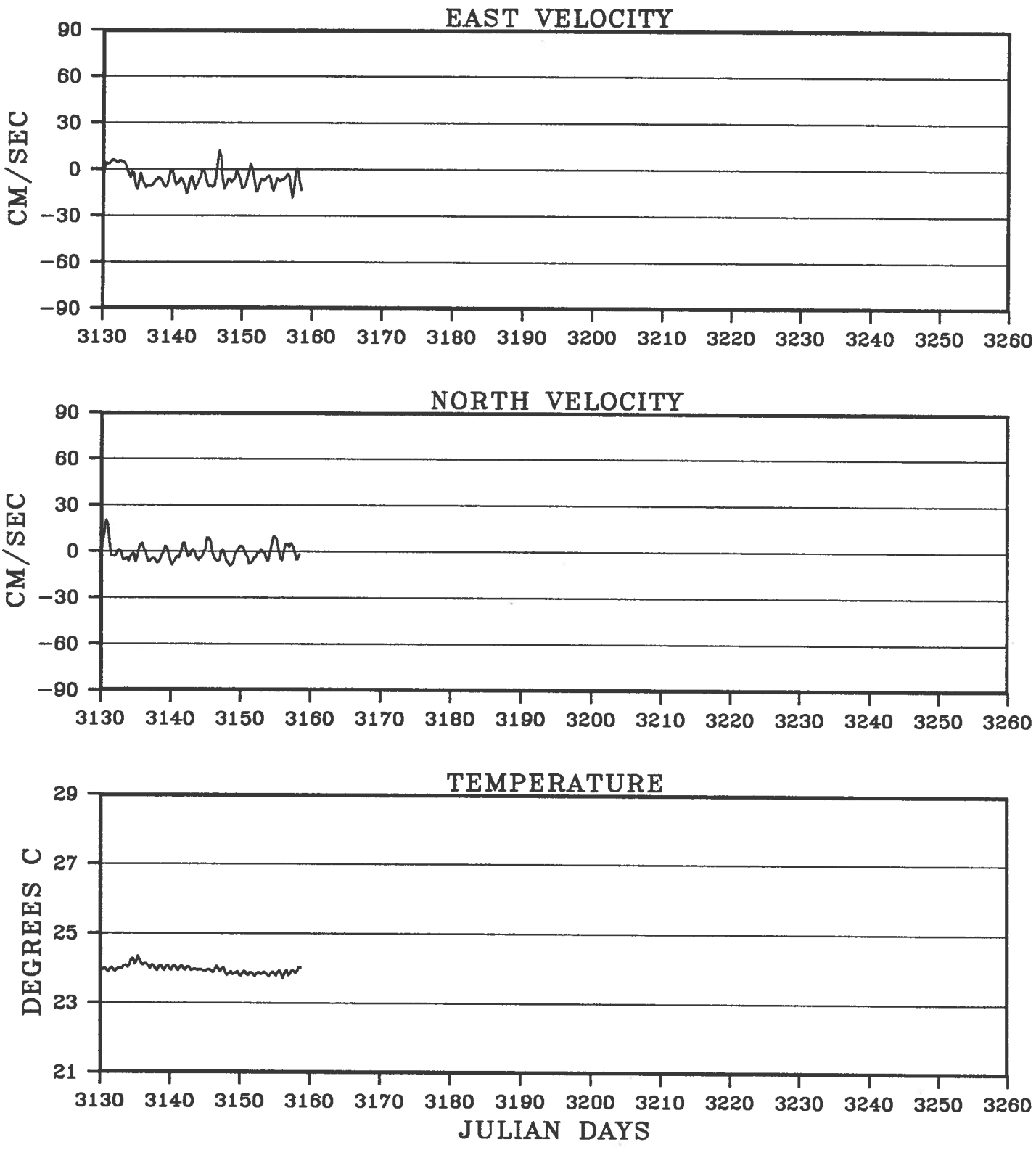
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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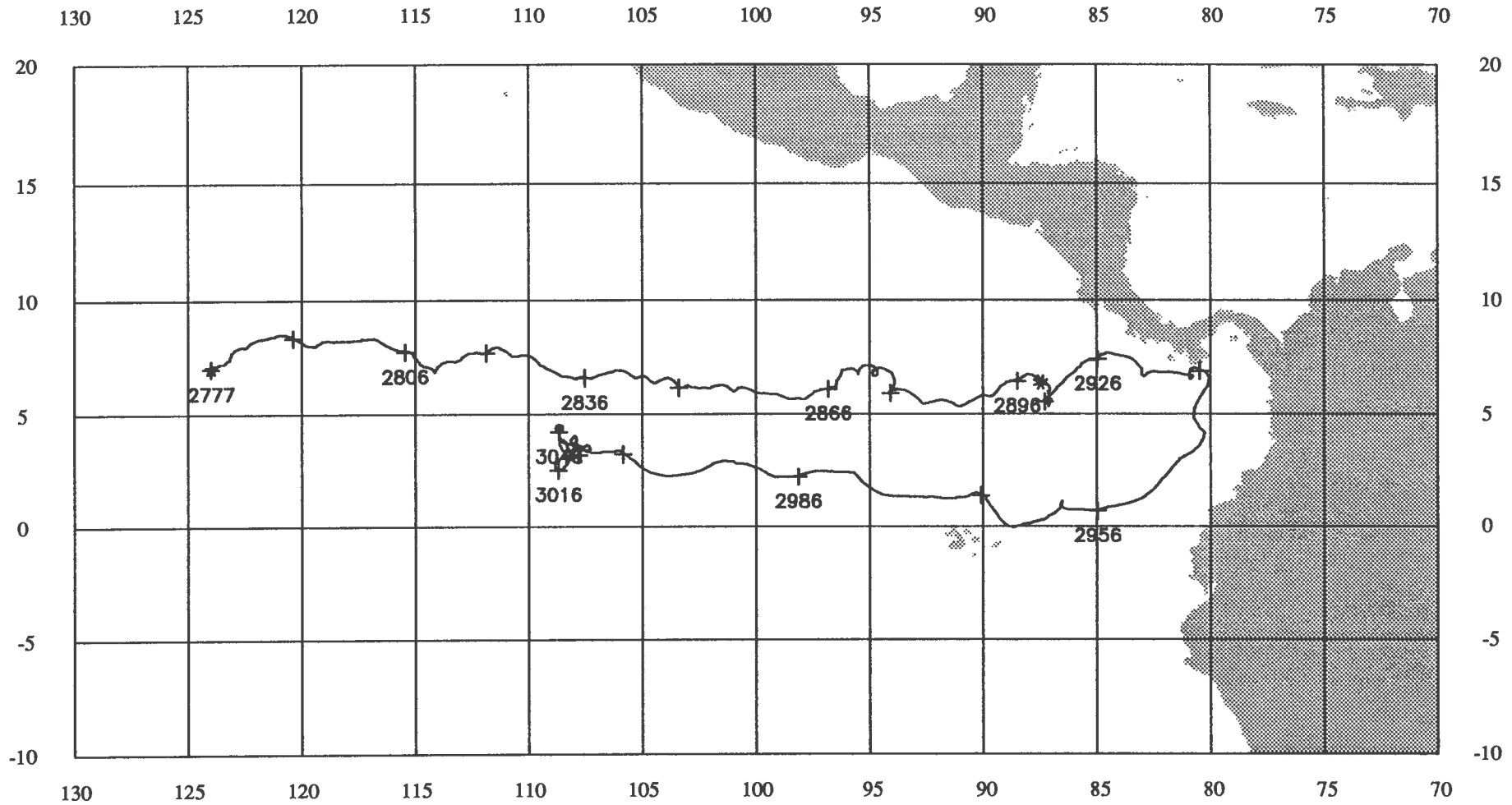
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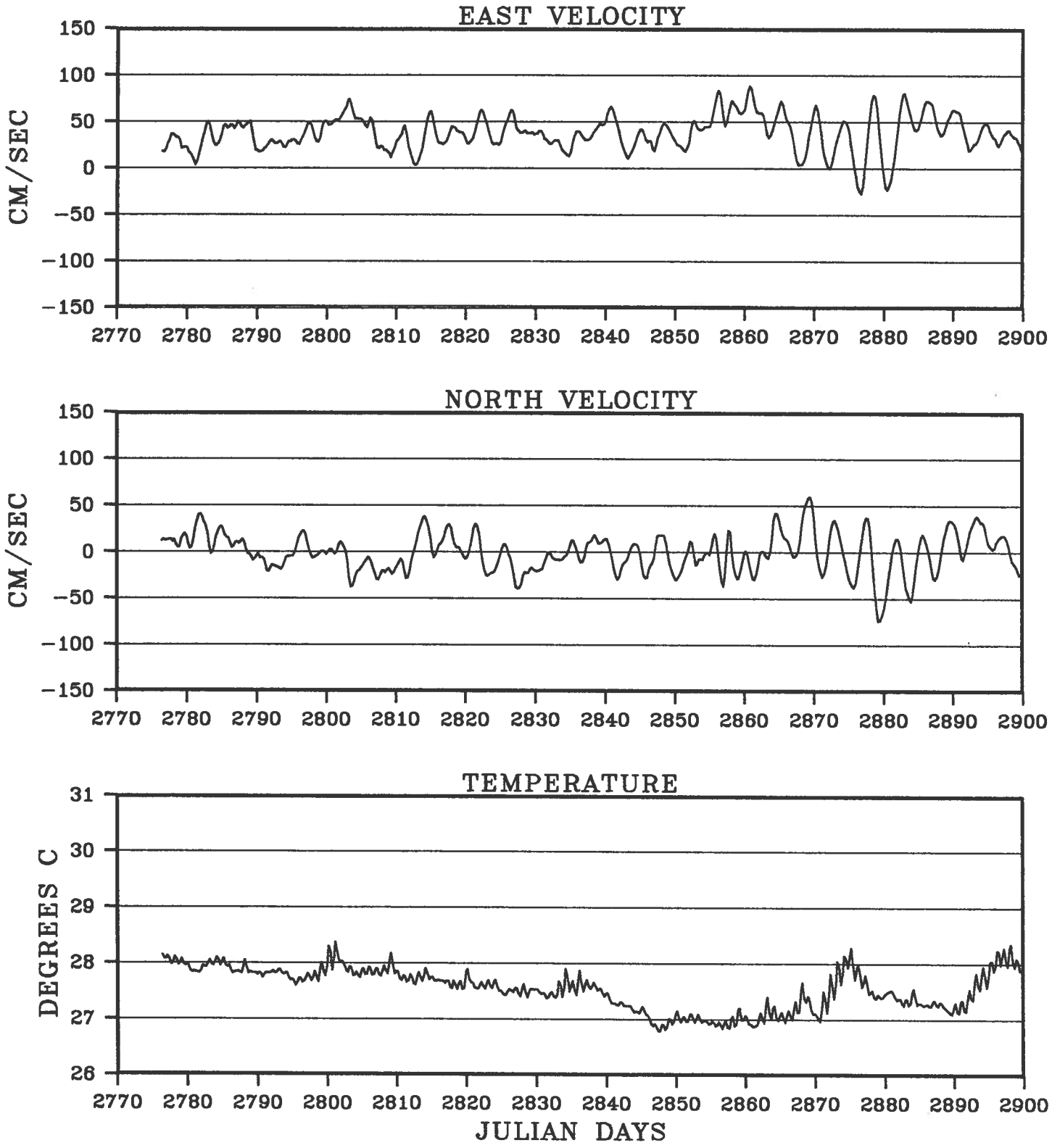
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TEMPERATURE
DEGREES C
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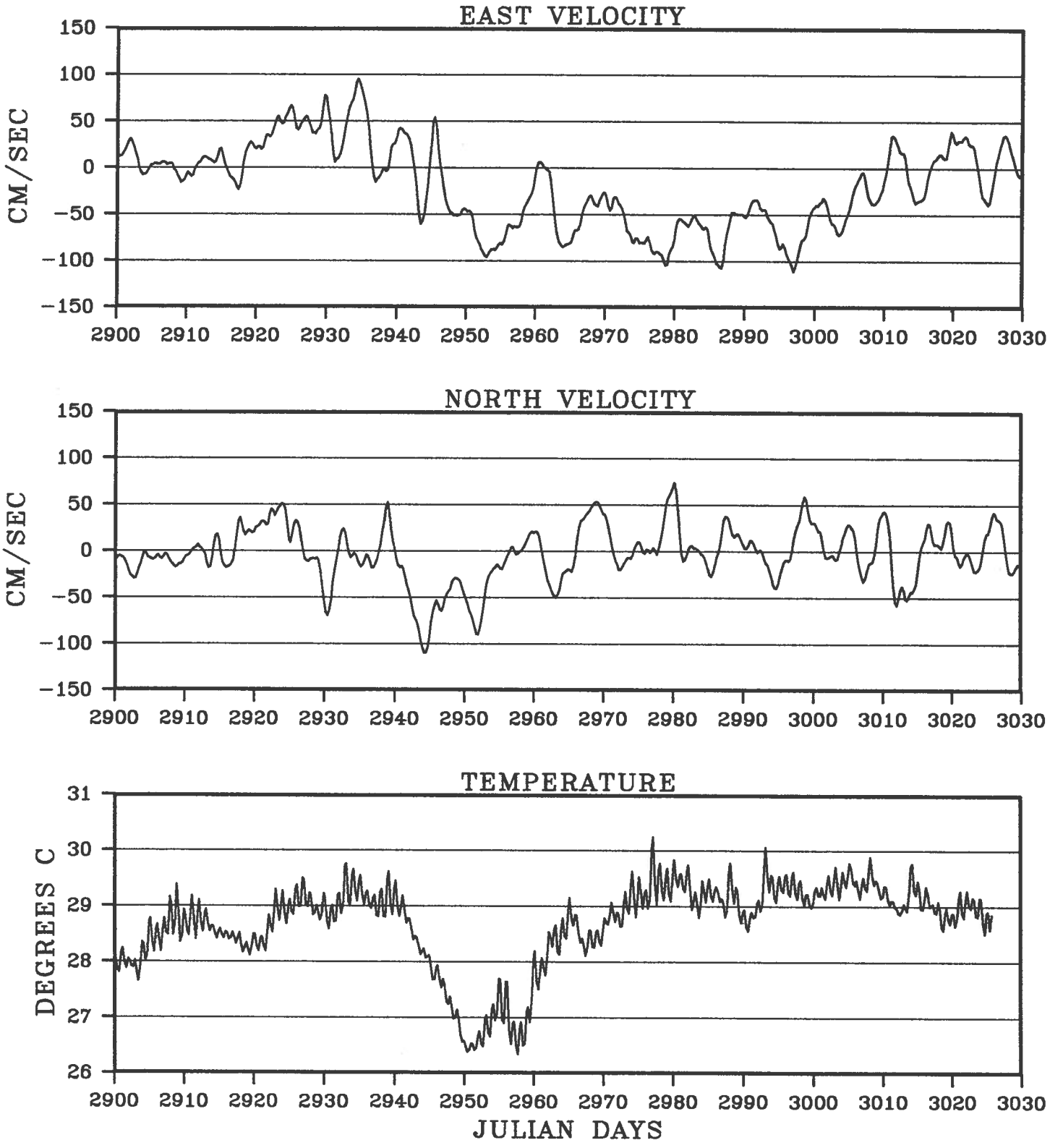
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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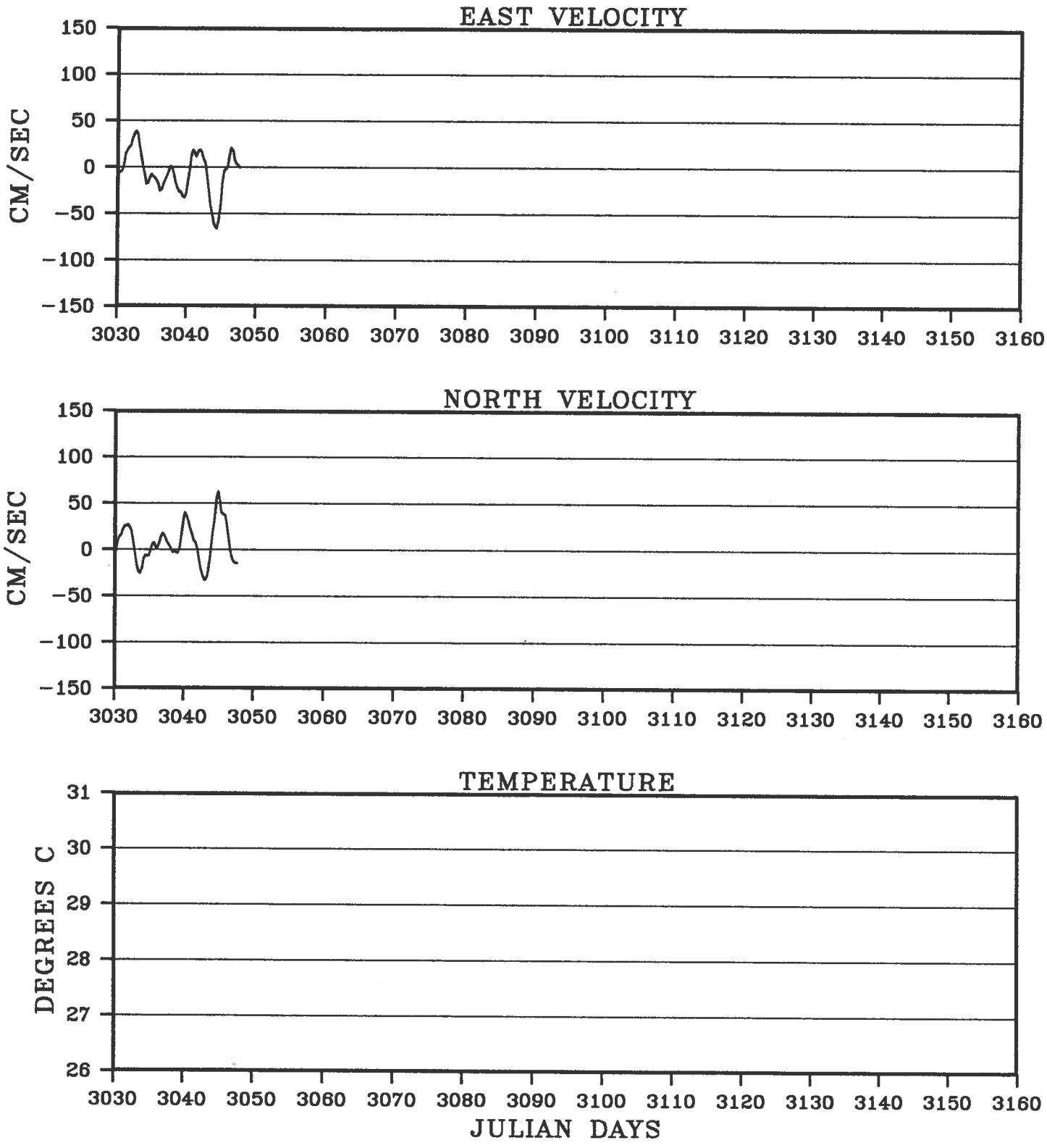
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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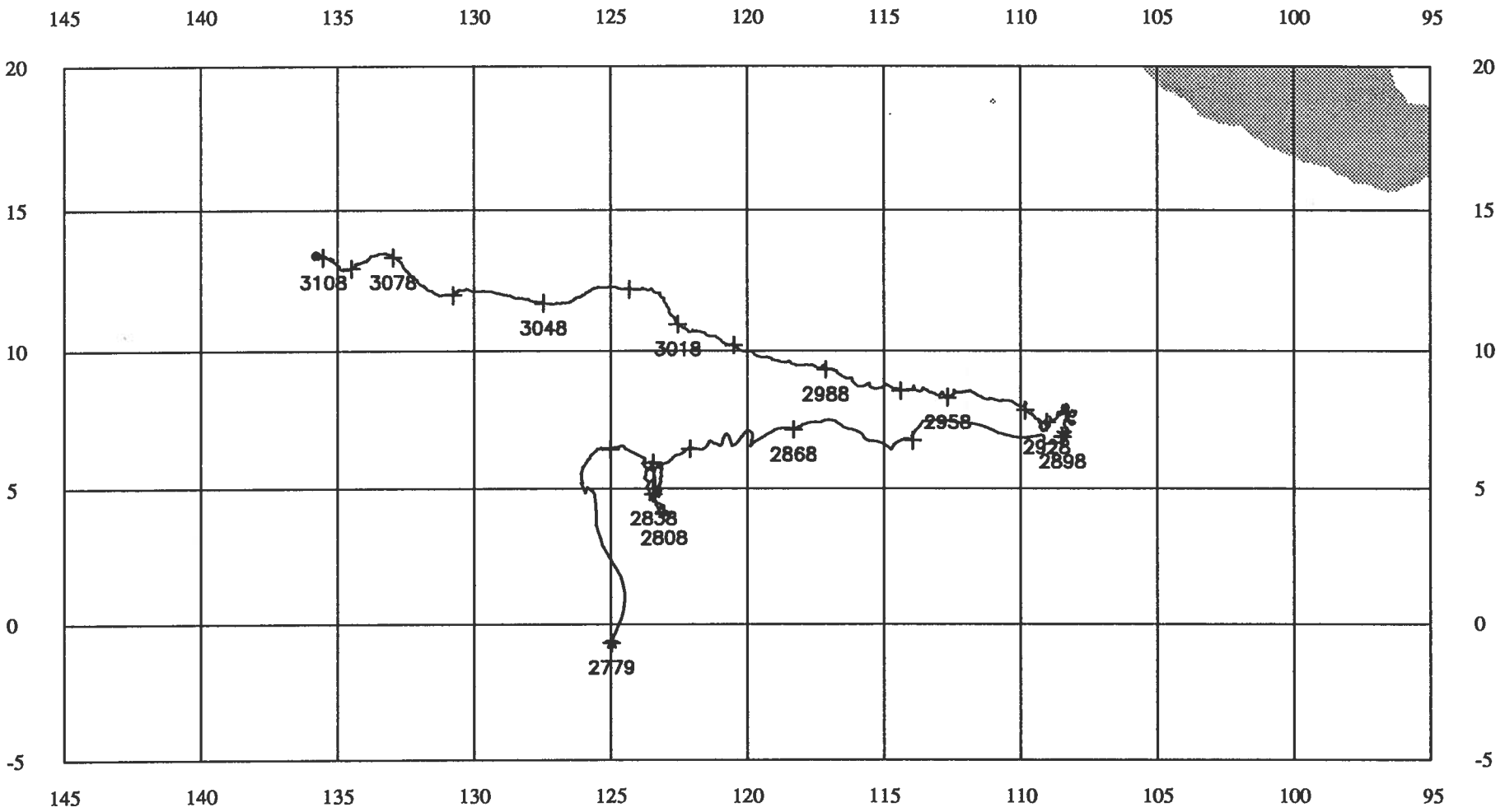
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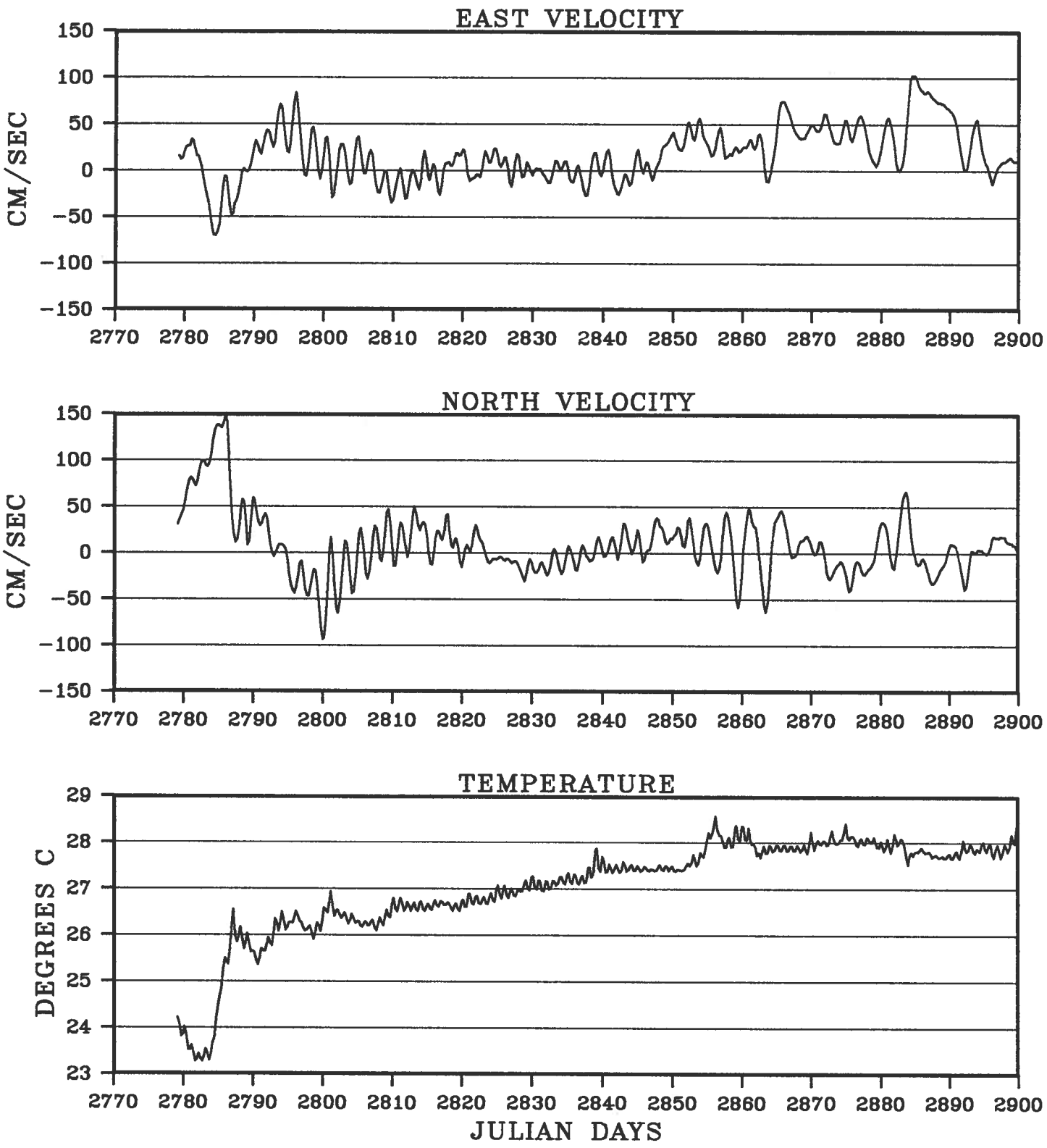
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TEMPERATURE
DEGREES C
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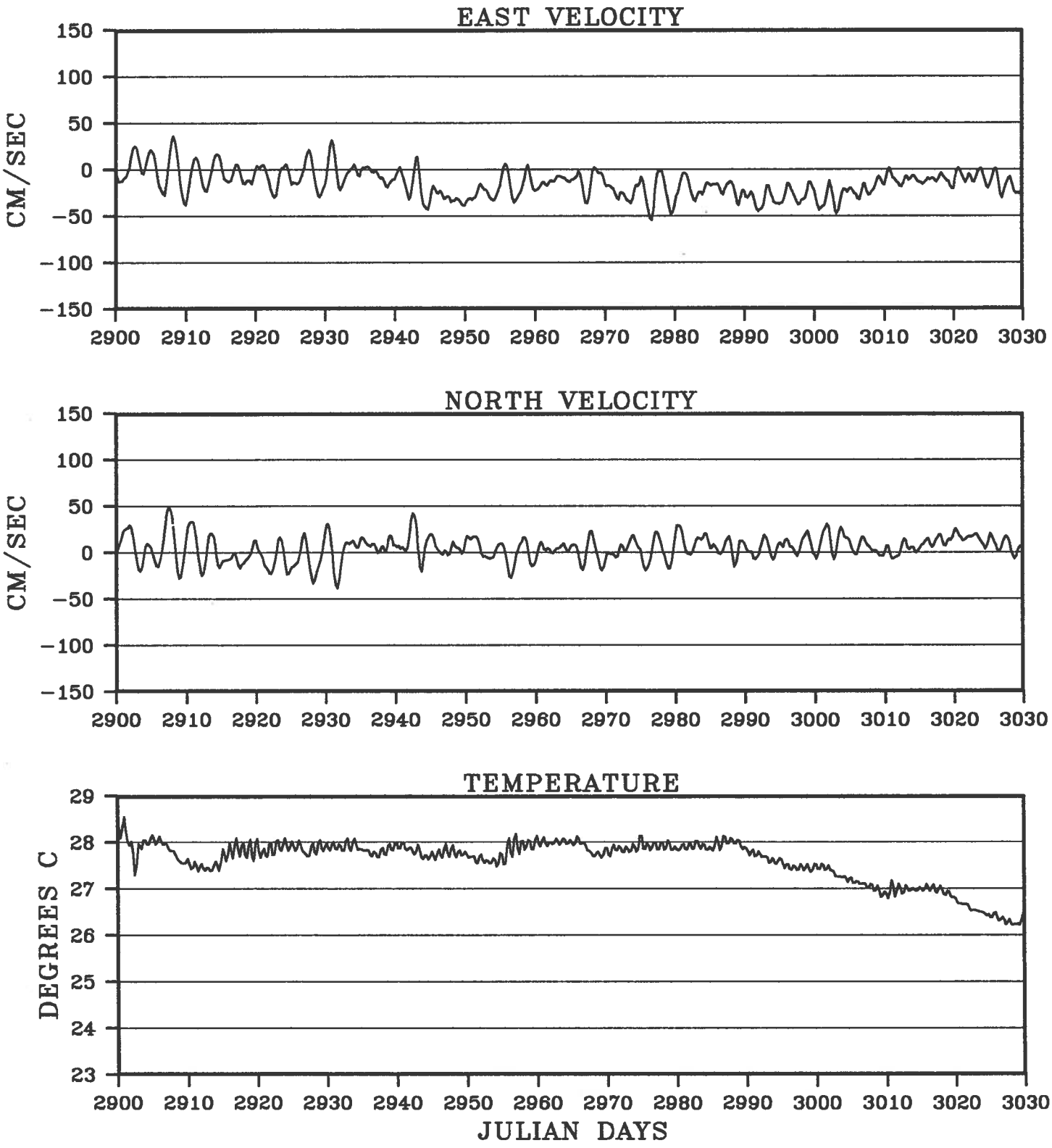
JULIAN DAYS

BUOY 3135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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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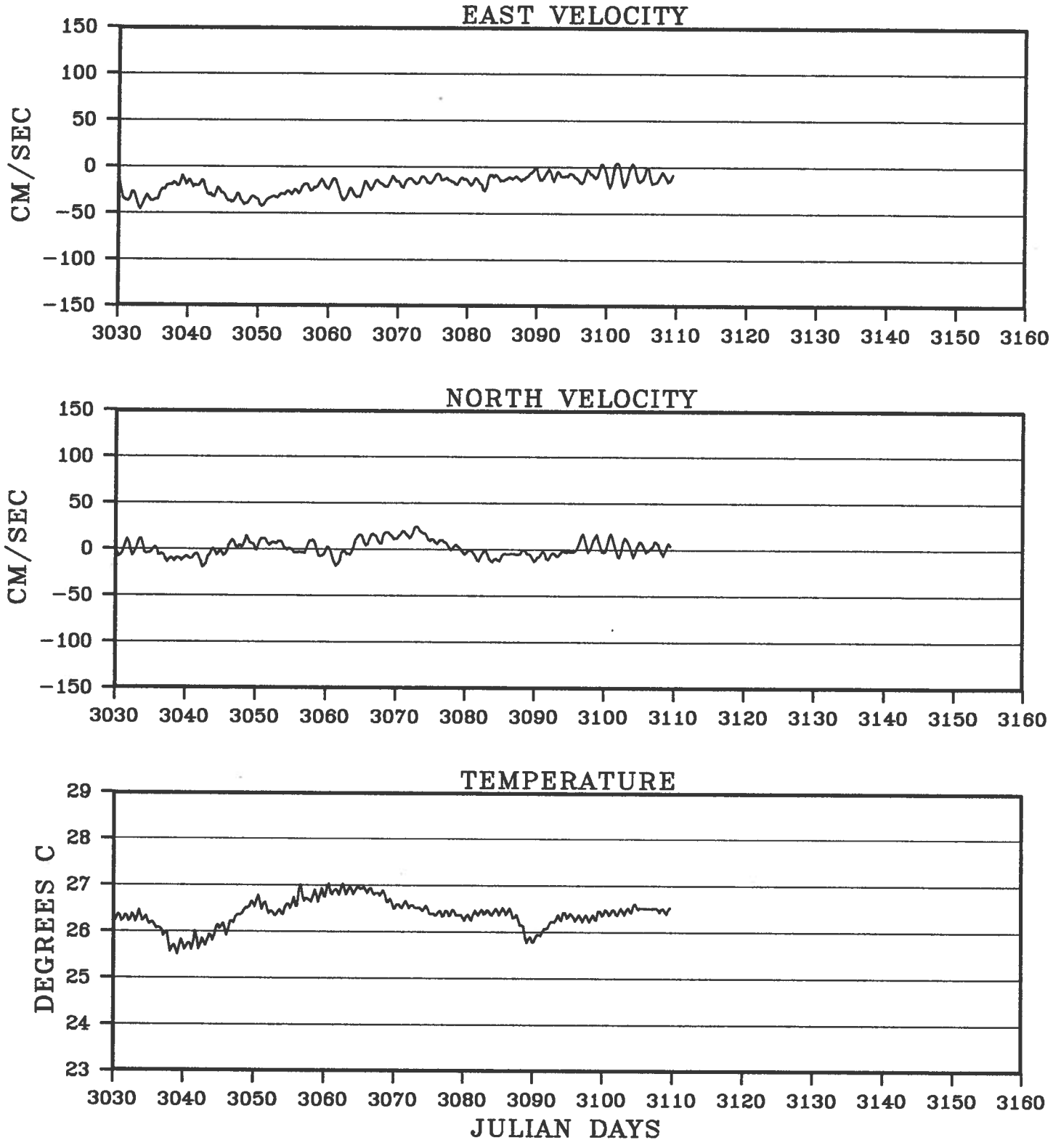
JULIAN DAYS

BUOY 3135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TEMPERATURE
DEGREES C
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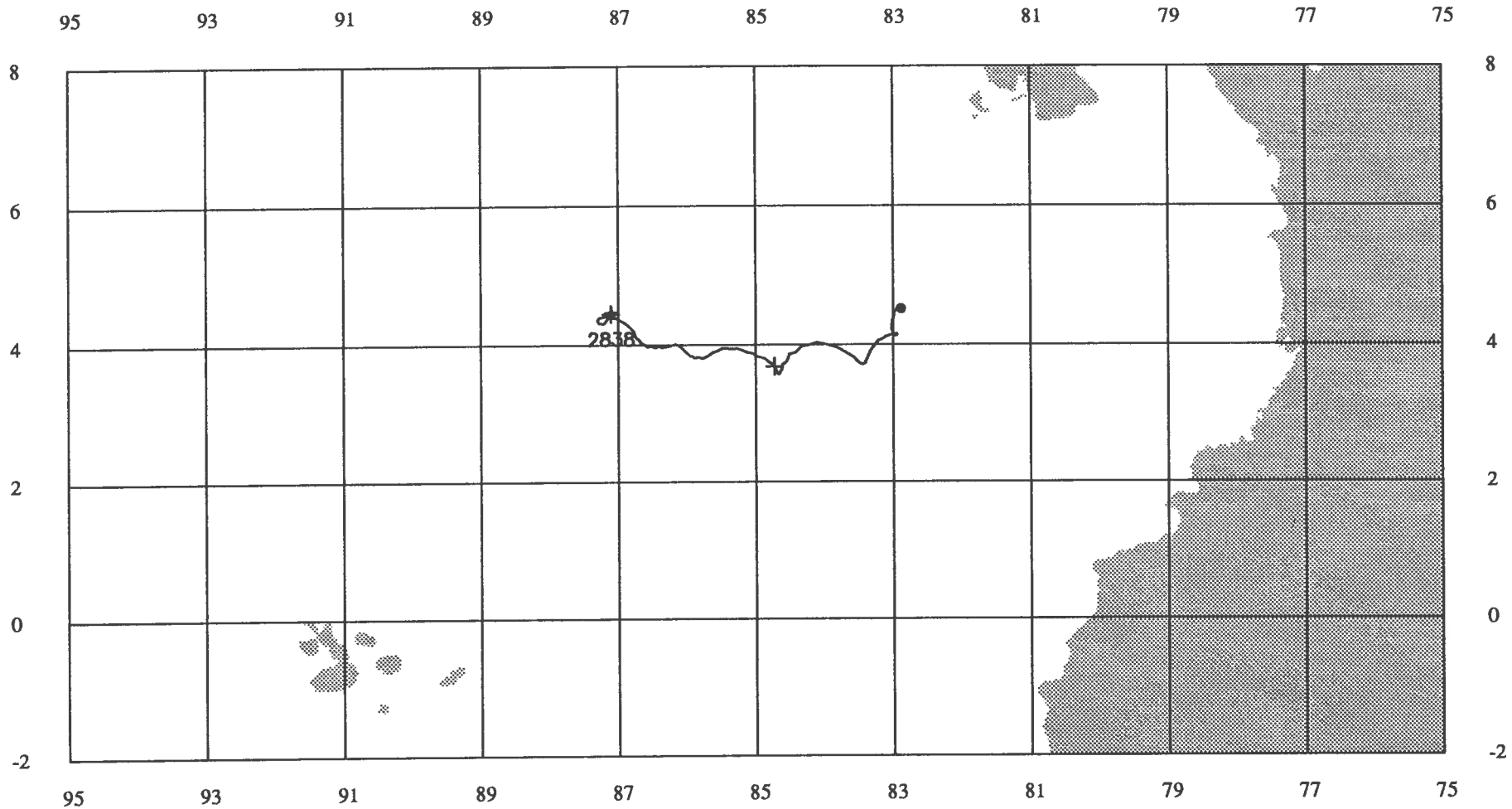
JULIAN DAYS

BUOY 3136



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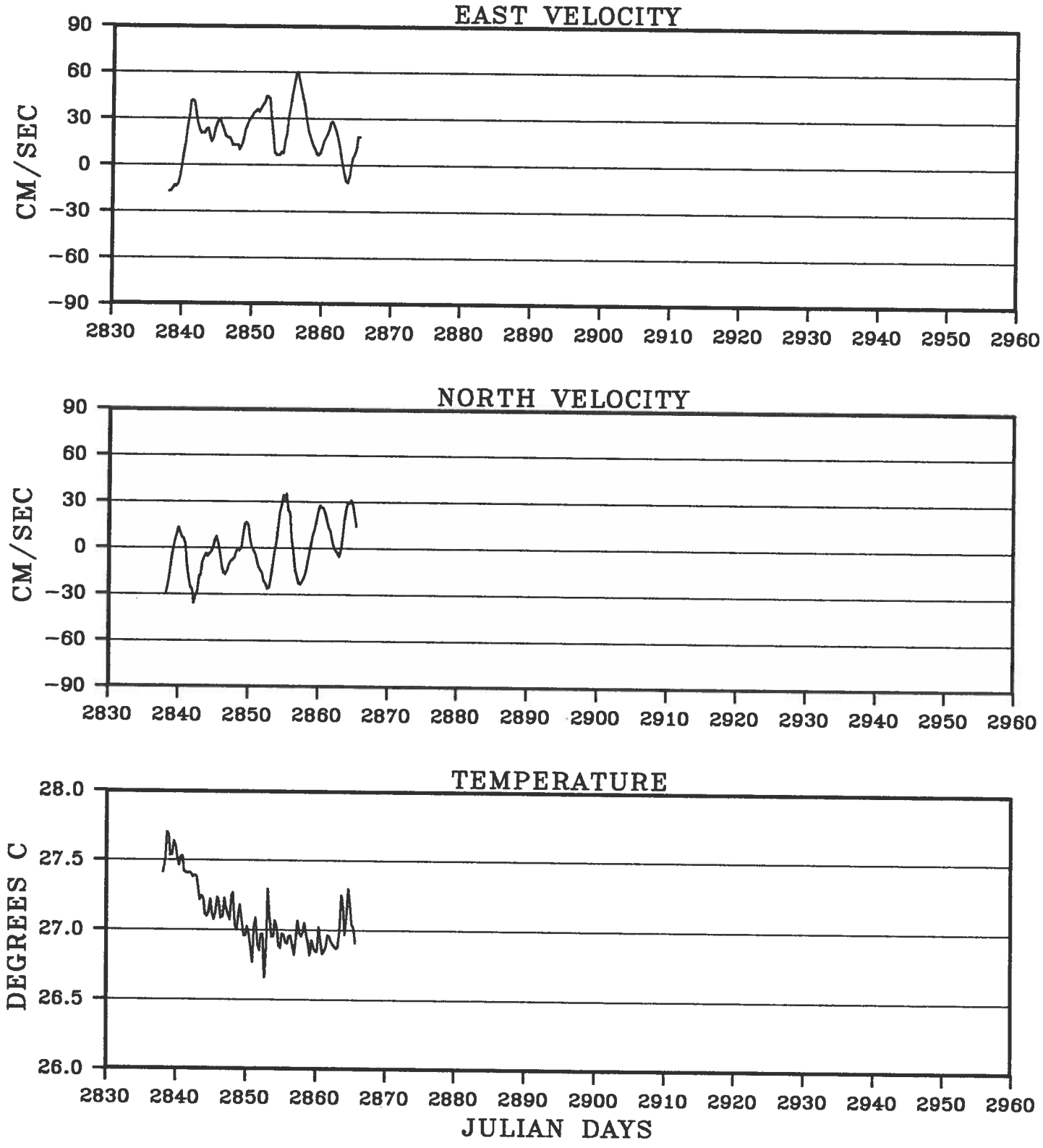
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-60
-90
2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960
NORTH VELOCITY
CM/SEC
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-30
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-90
2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960
TEMPERATURE
DEGREES C
28.0
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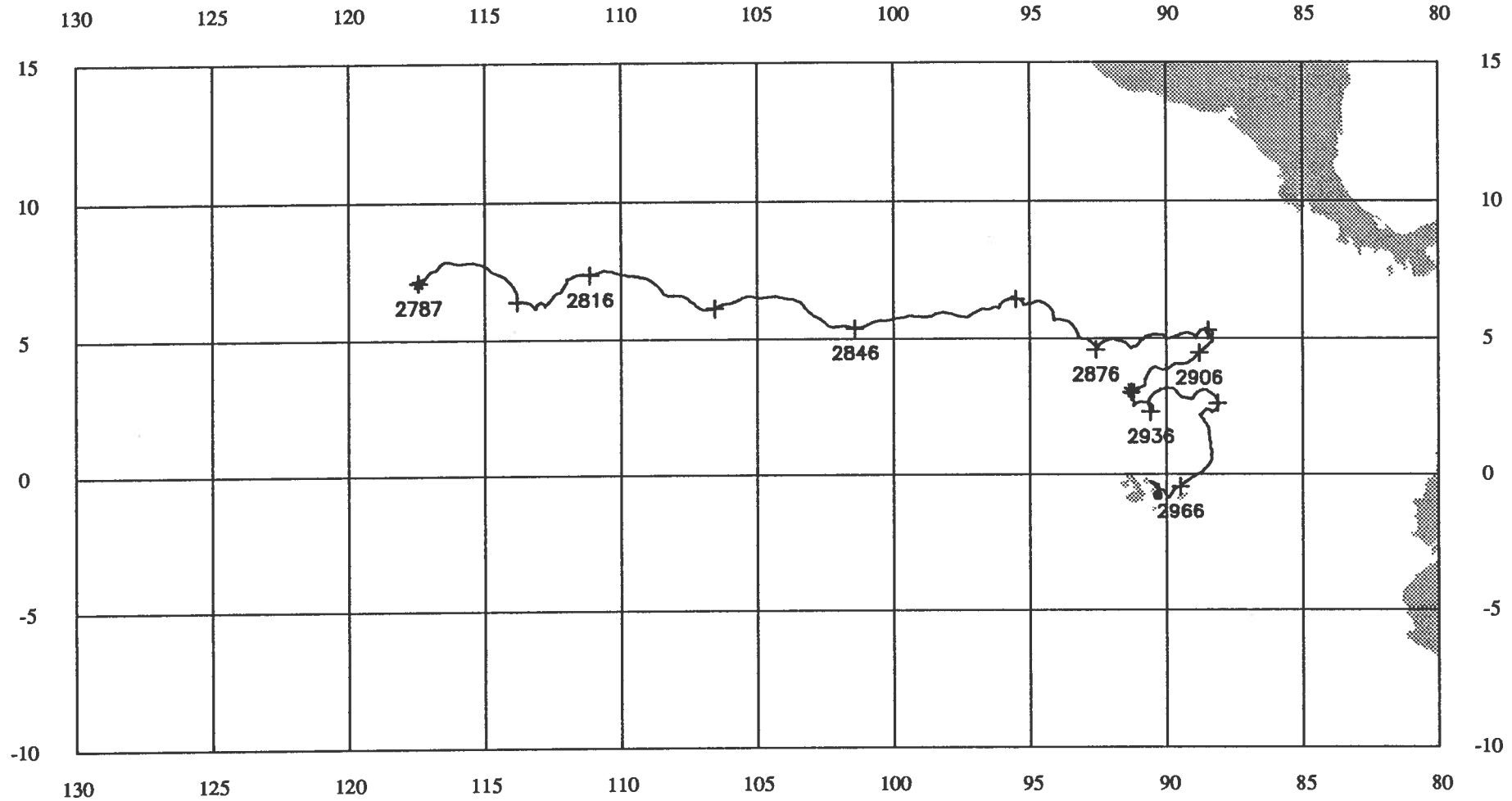
JULIAN DAYS

BUOY 3137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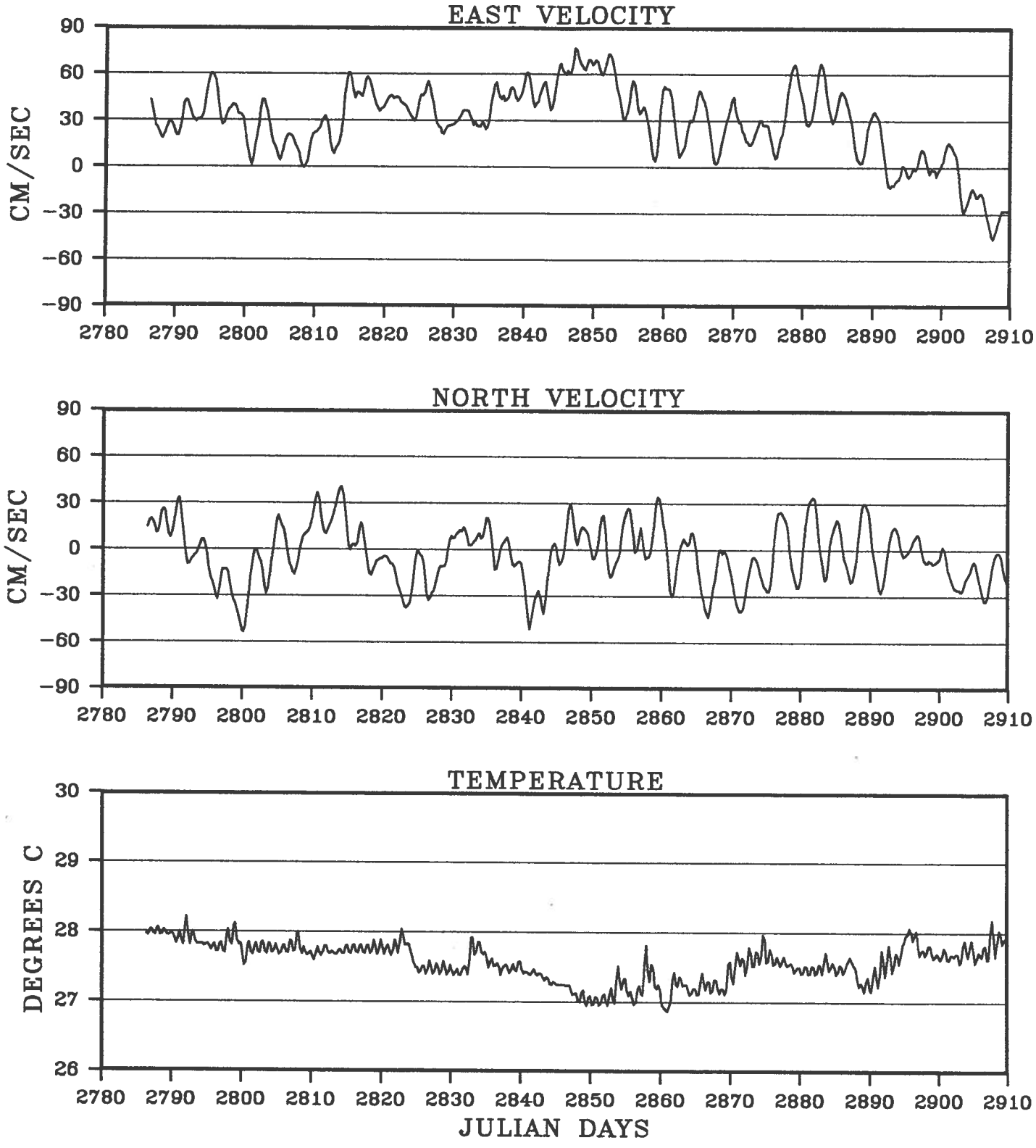
BUOY 3137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CM/SEC
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NORTH VELOCITY
CM/SEC
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2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910
TEMPERATURE
DEGREES C
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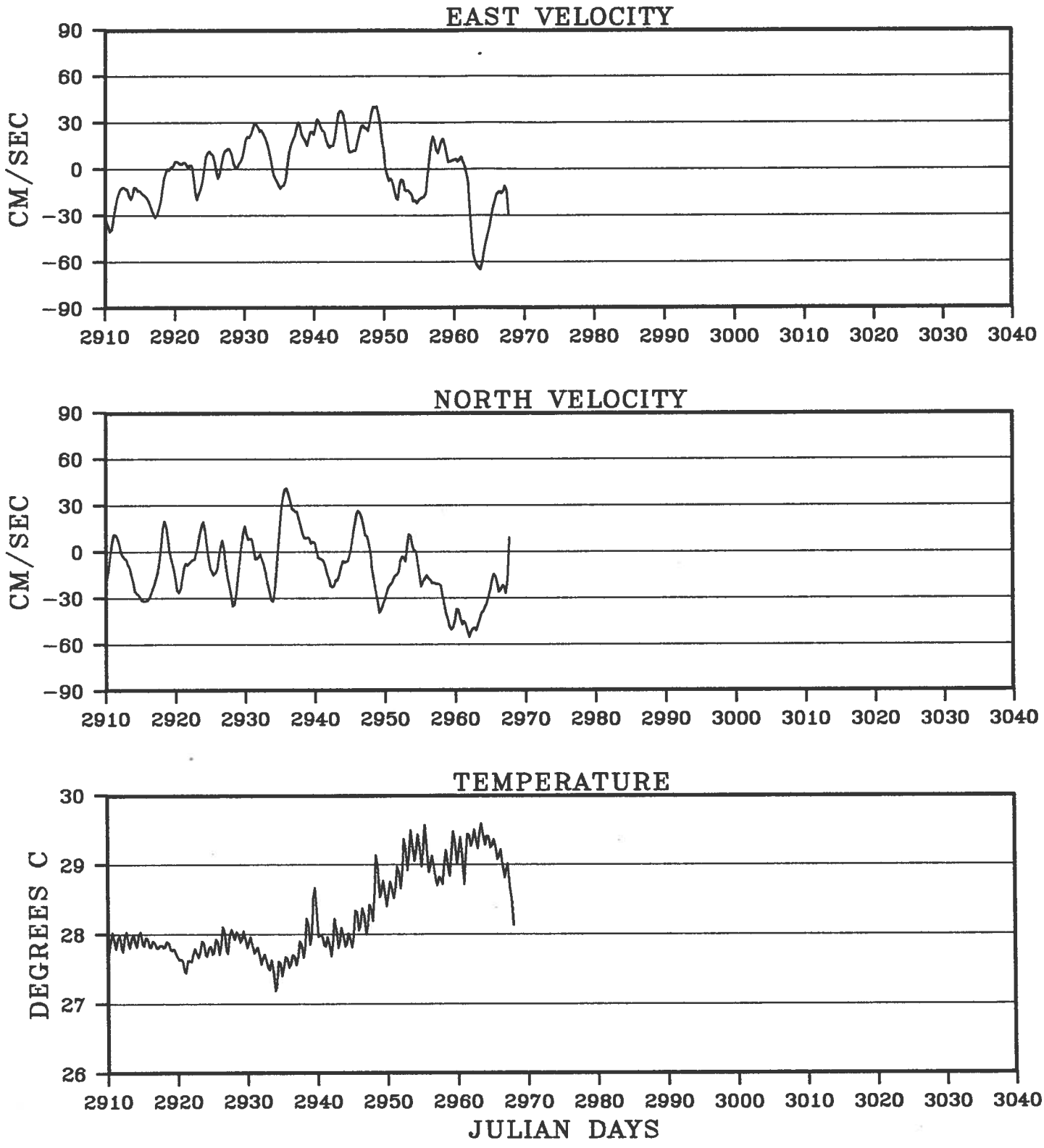
JULIAN DAYS

BUOY 3137


EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
90
60
30
0
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2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040
TEMPERATURE
DEGREES C
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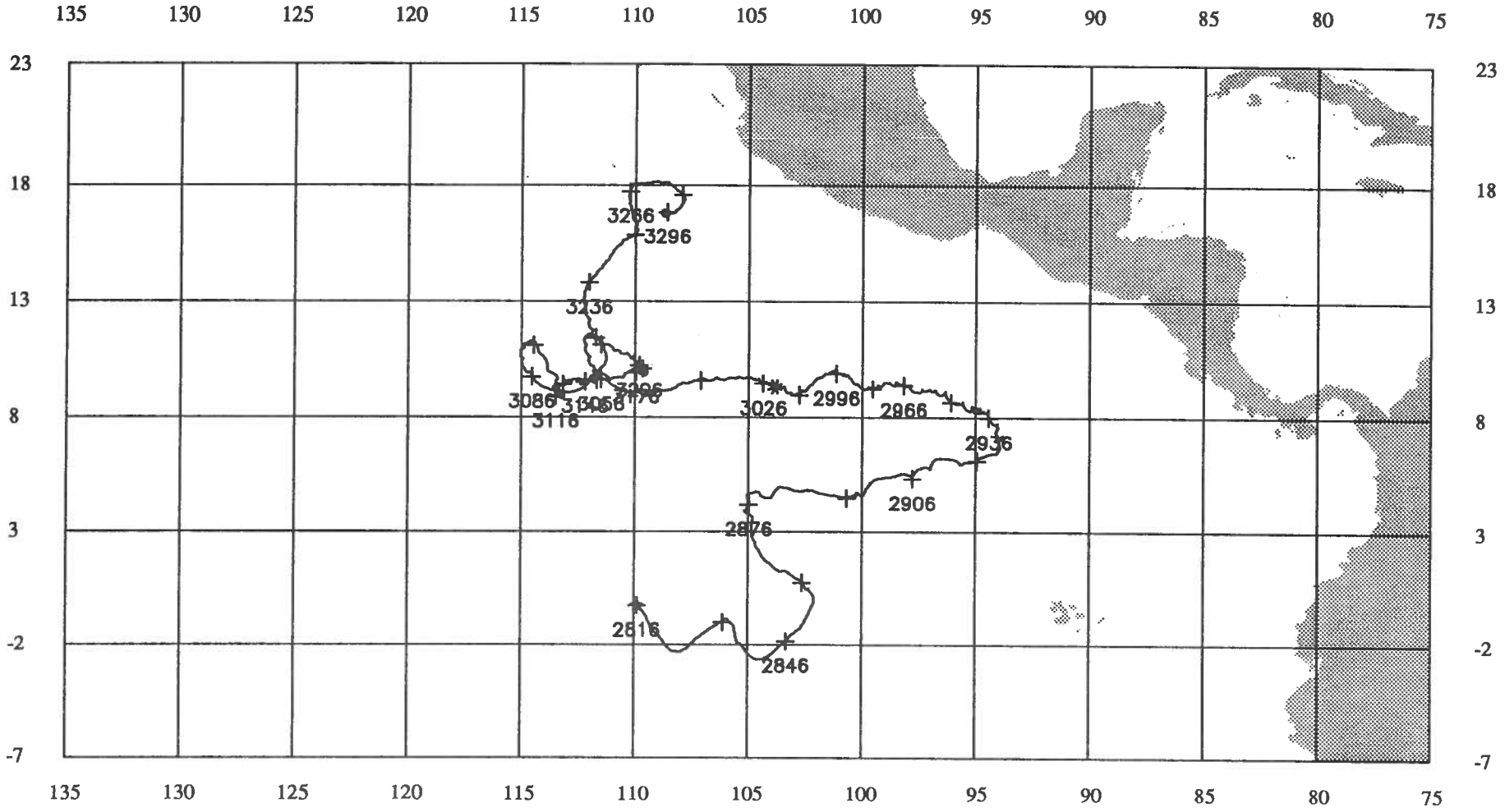
JULIAN DAYS

BUOY 3138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23 18 13 8 3 -2 -7
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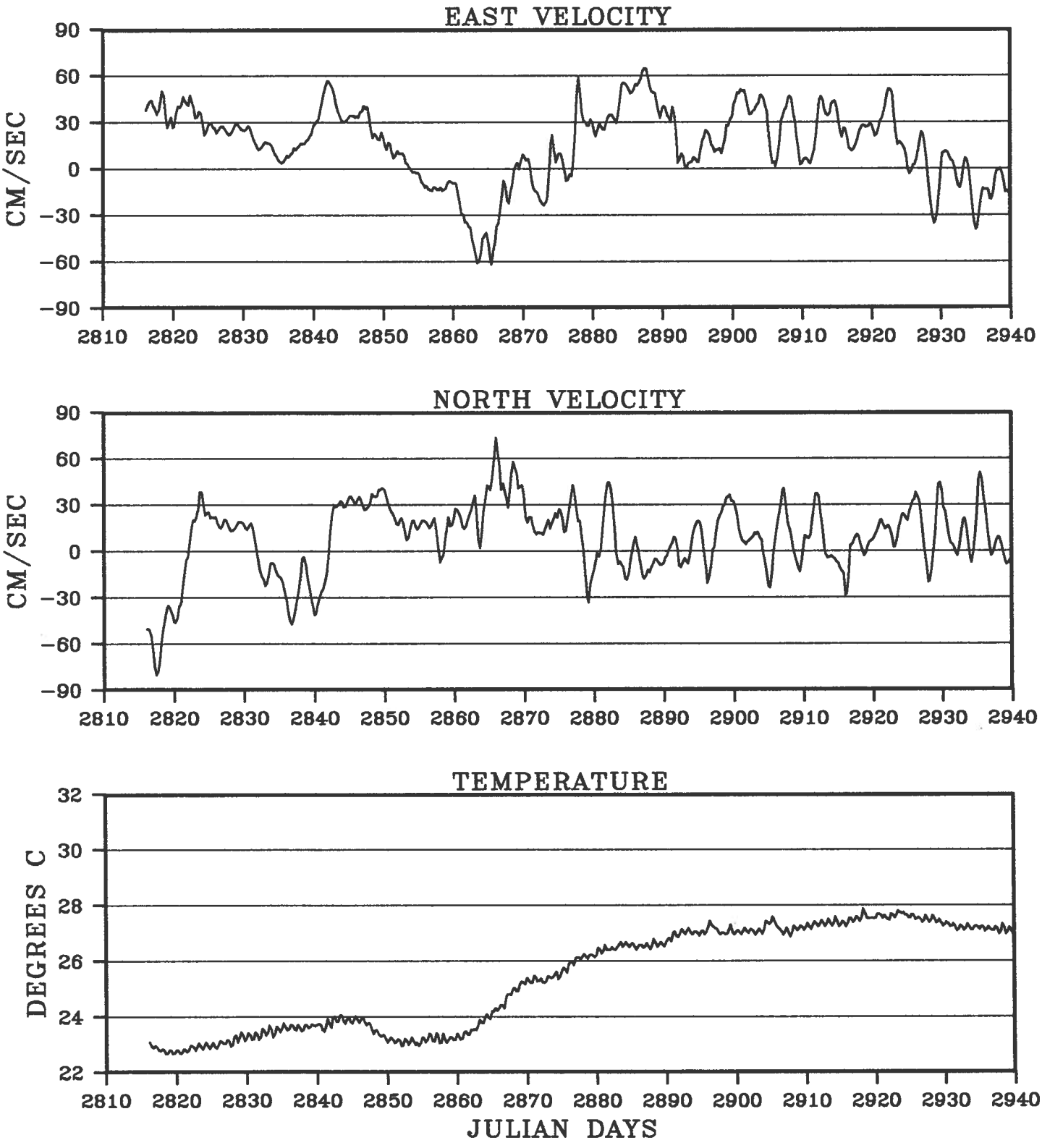
BUOY 3138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CM/SEC
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NORTH VELOCITY
CM/SEC
90
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-30
-60
-90
2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940
TEMPERATURE
DEGREES C
32
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28
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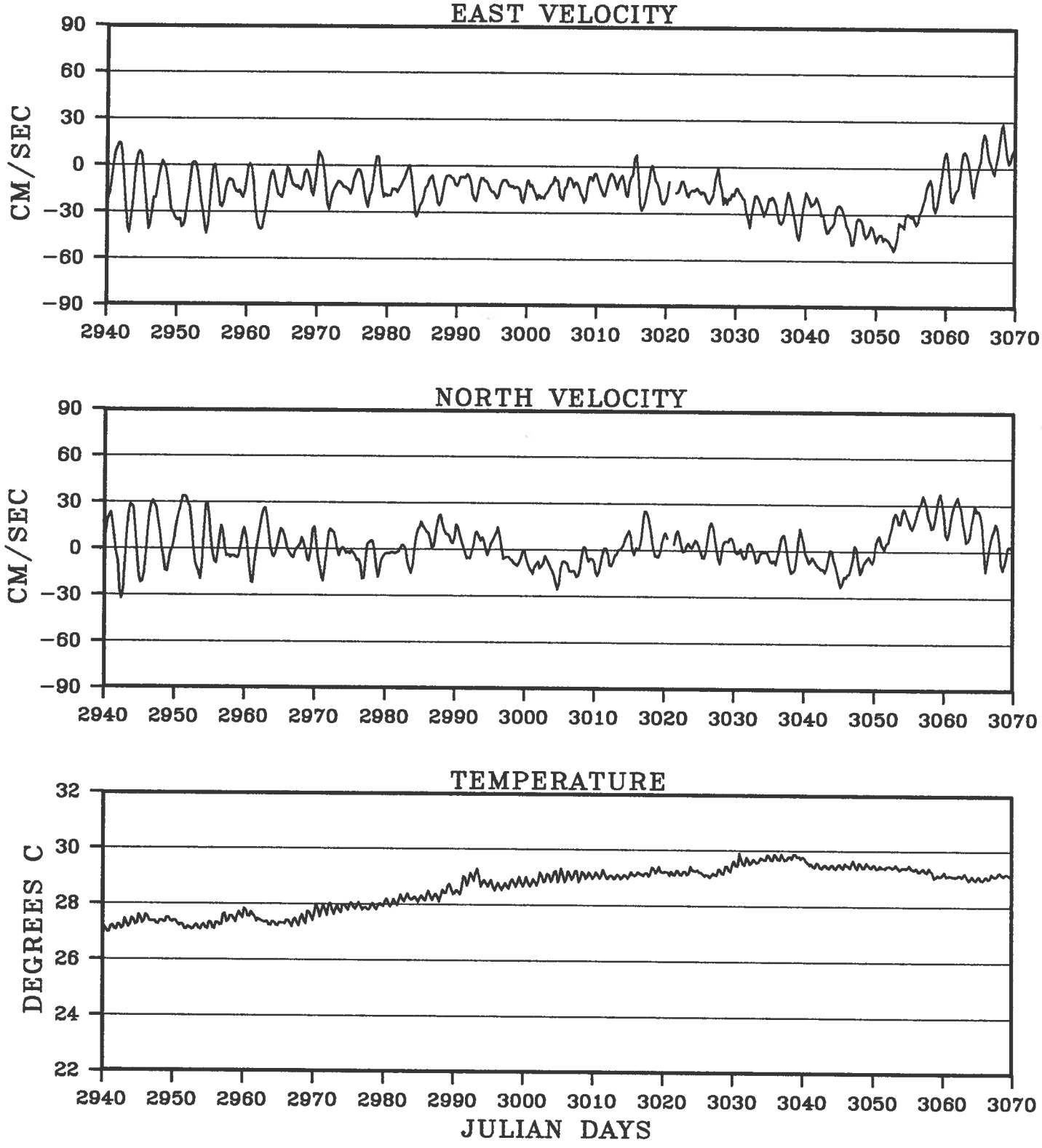
JULIAN DAYS

BUOY 3138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CM/SEC
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NORTH VELOCITY
CM/SEC
90
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30
0
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-60
-90
2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070
TEMPERATURE
DEGREES C
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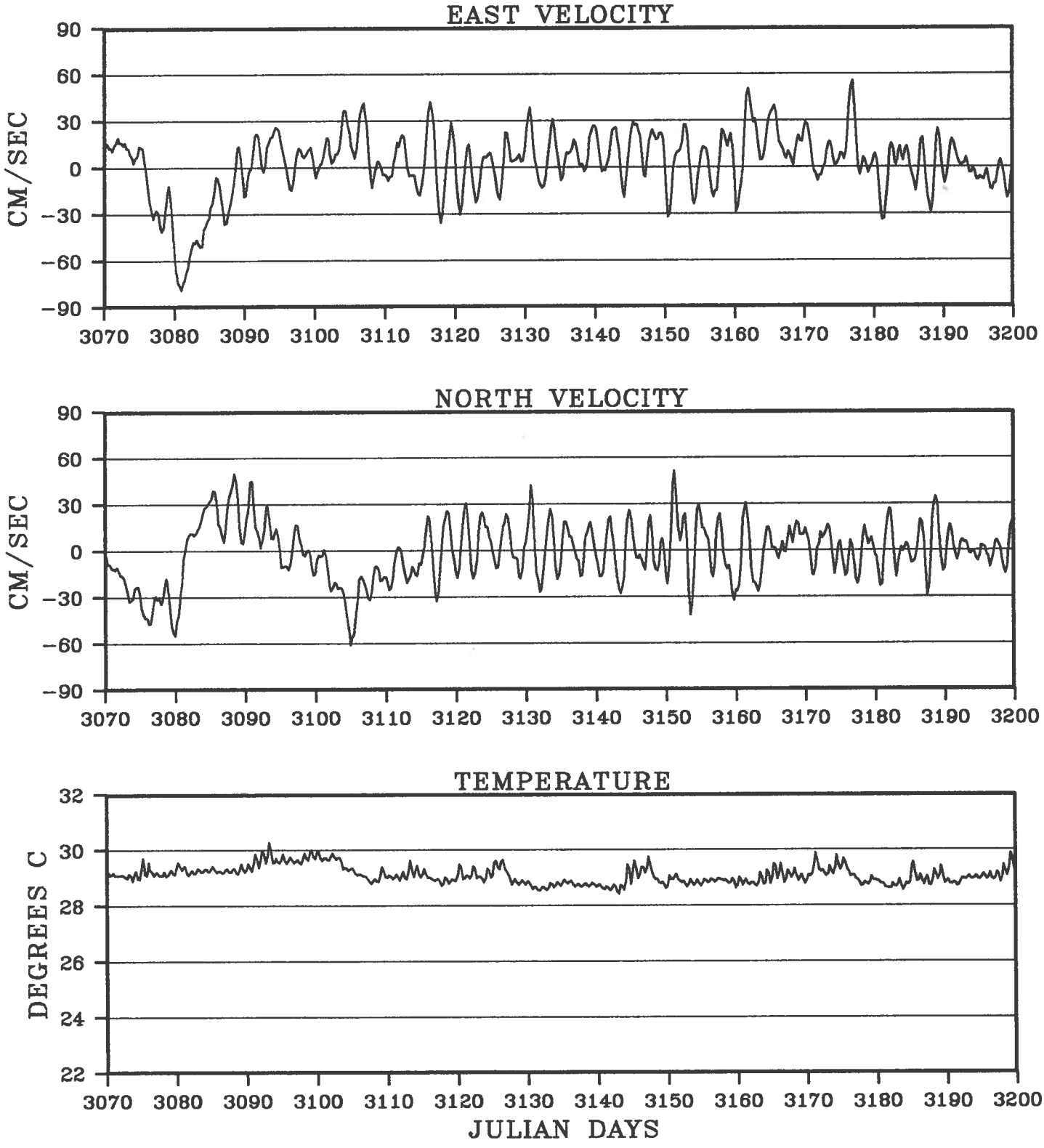
JULIAN DAYS

BUOY 3138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CM/SEC
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NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200
TEMPERATURE
DEGREES C
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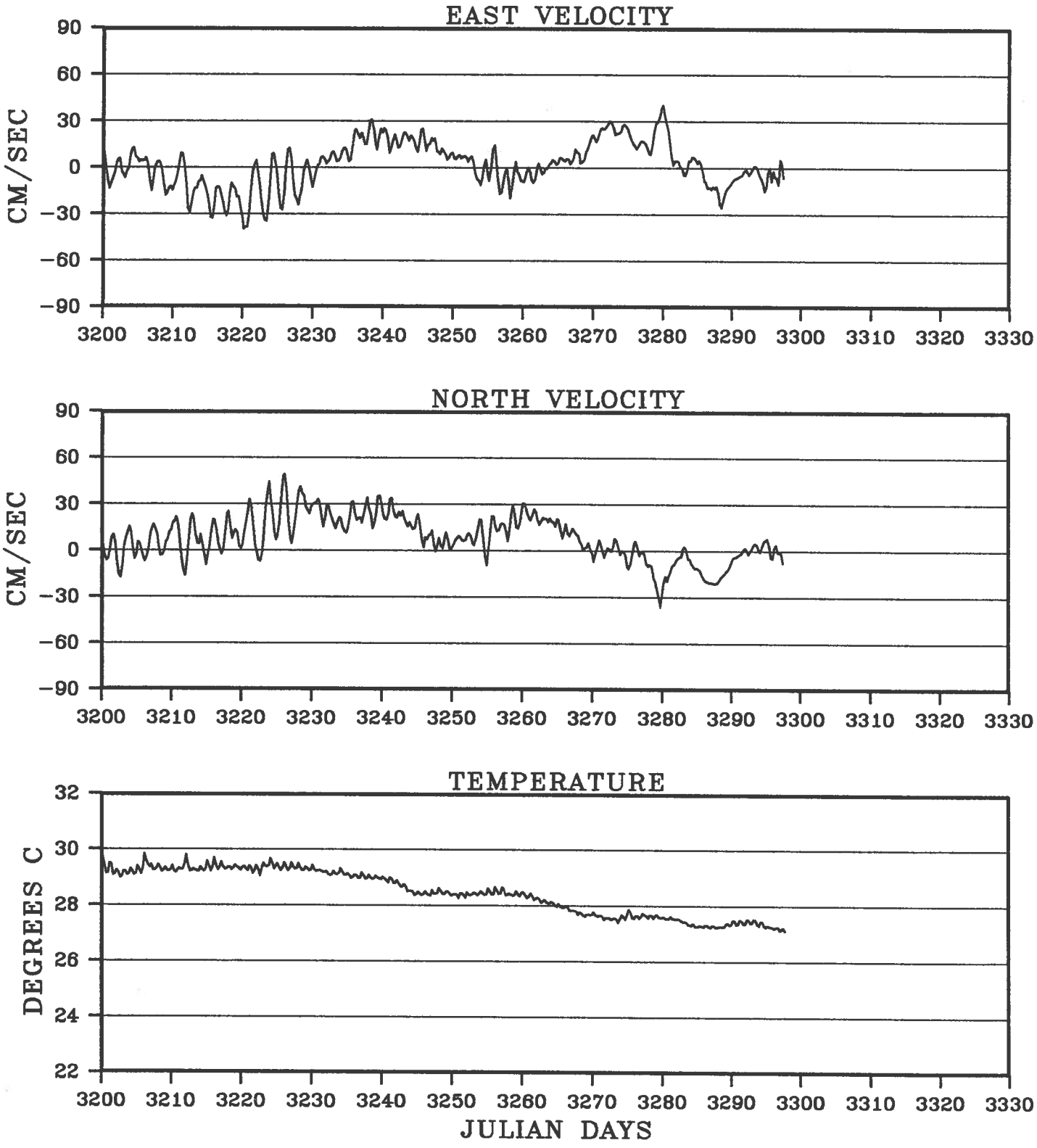
JULIAN DAYS

BUOY 3138


EAST VELOCITY
CM/SEC
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-30
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-90
3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330
TEMPERATURE
DEGREES C
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30
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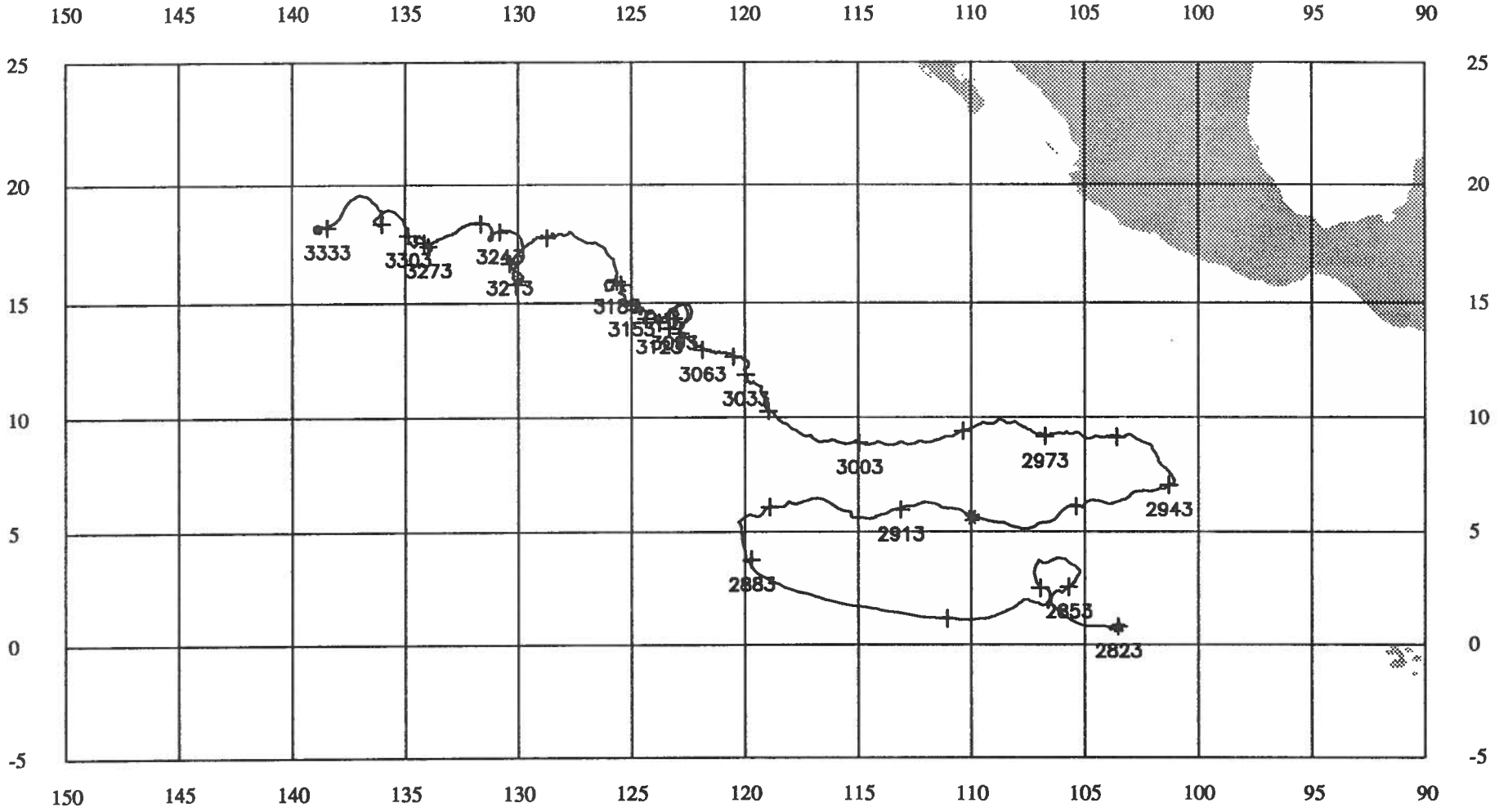
22
3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330
JULIAN DAYS

BUOY 3139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20
15
10
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-5
3333
3303
3273
3243
3213
3183
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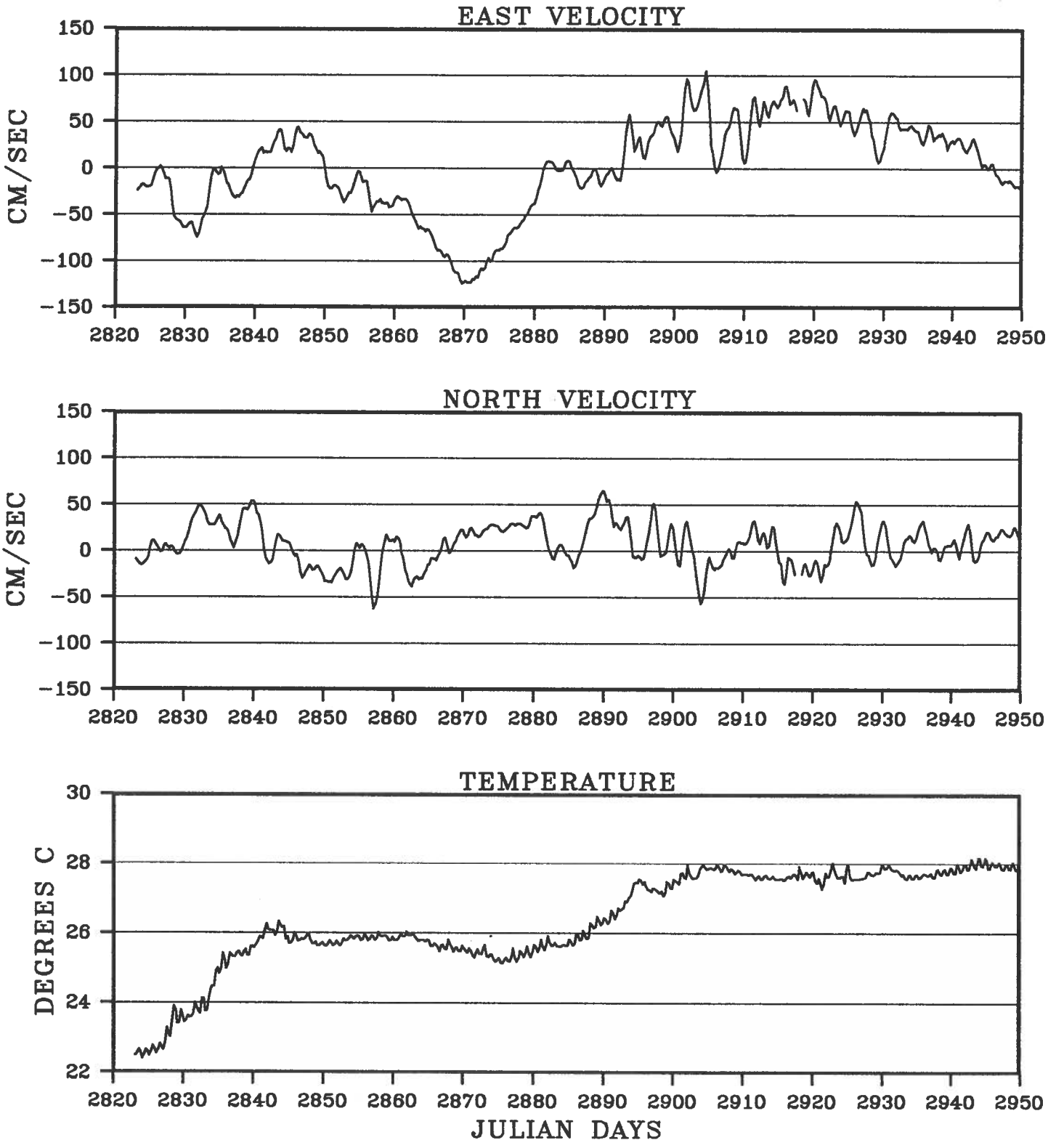
2823

BUOY 3139


EAST VELOCITY
CM/SEC
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−50
−100
−150
2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950
TEMPERATURE
DEGREES C
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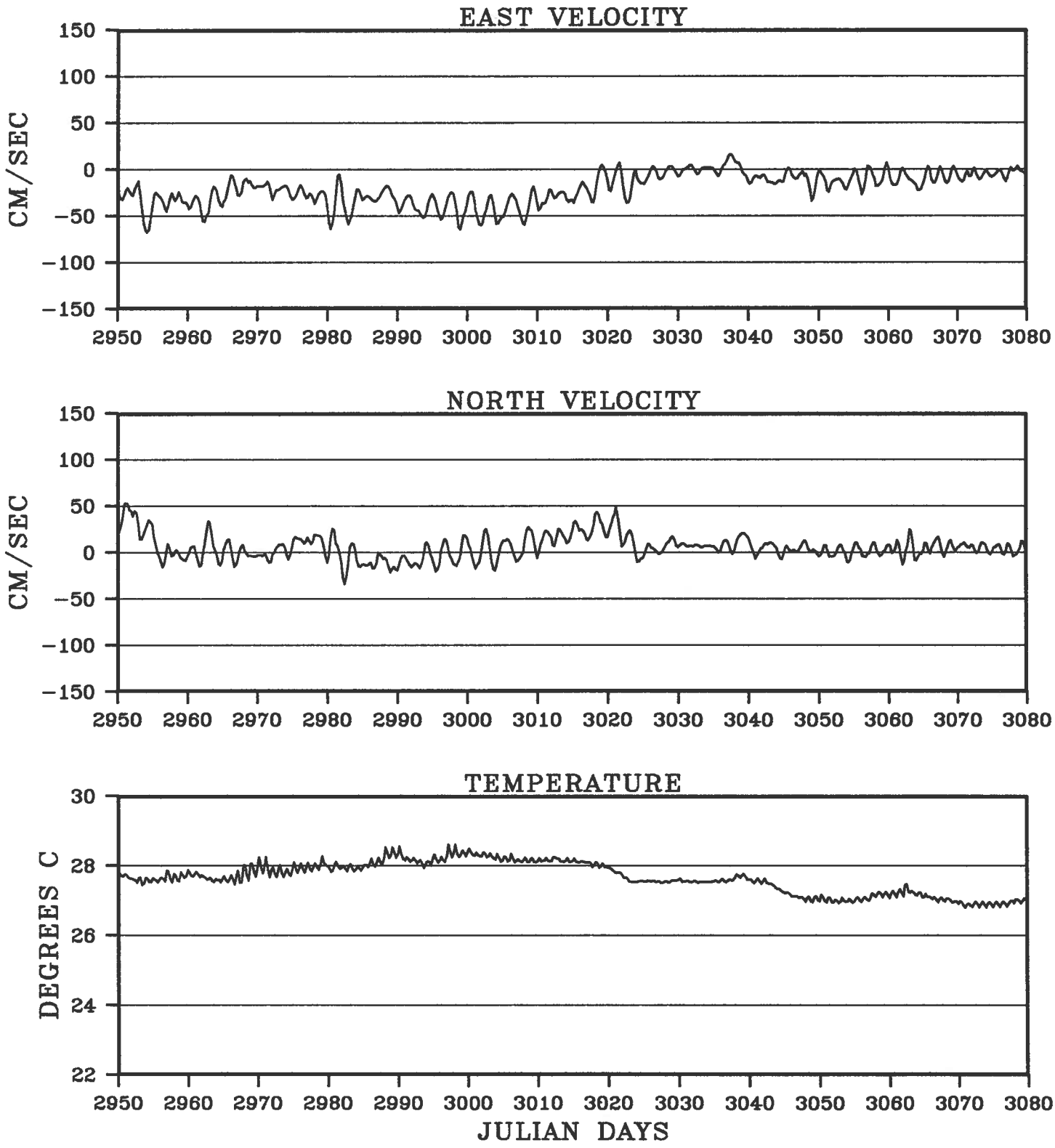
JULIAN DAYS

BUOY 3139


EAST VELOCITY
CM/SEC
150
100
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0
−50
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−150
2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080
TEMPERATURE
DEGREES C
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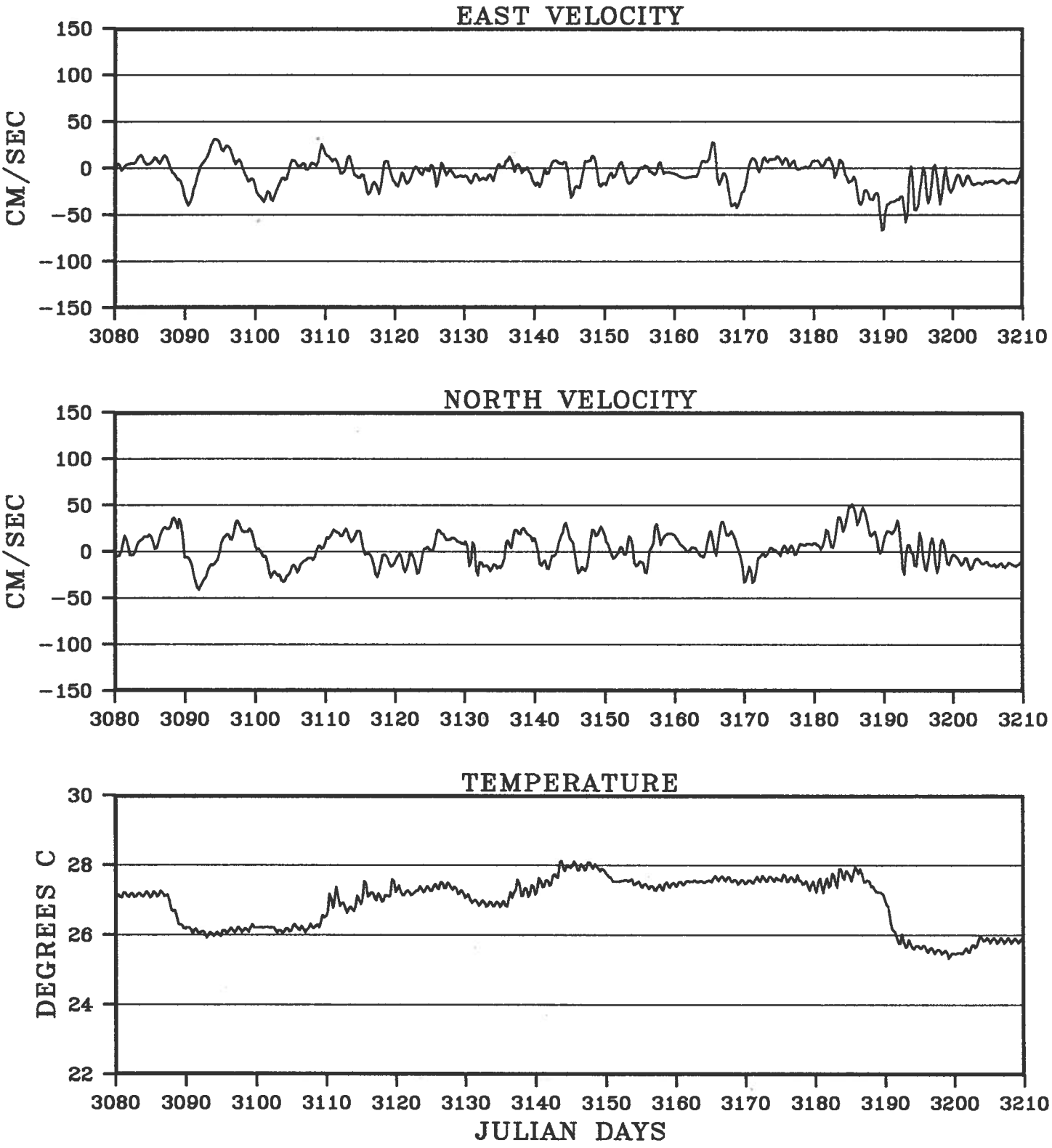
JULIAN DAYS

BUOY 3139


EAST VELOCITY
CM/SEC
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100
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0
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-100
-150
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NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210
TEMPERATURE
DEGREES C
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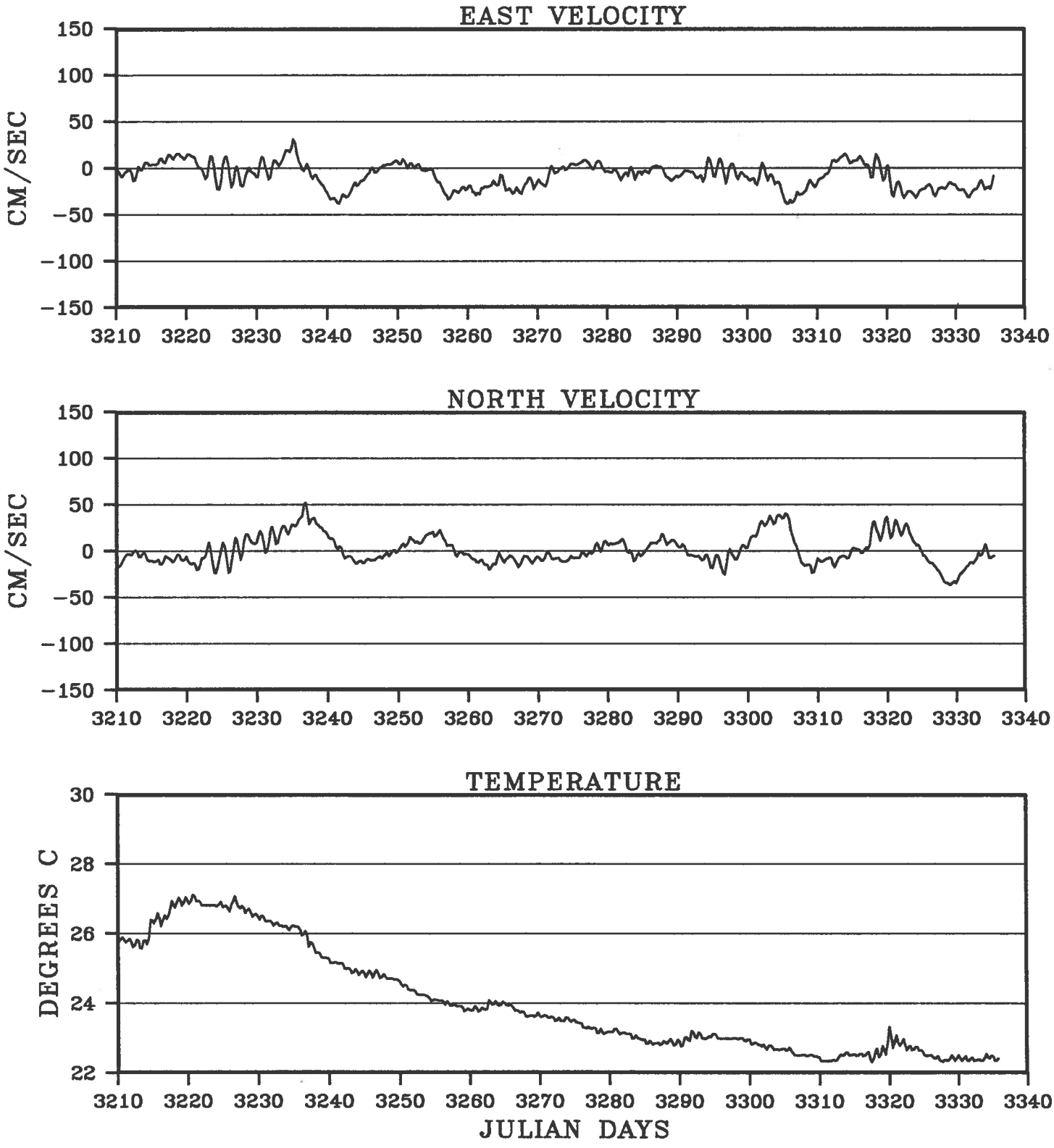
JULIAN DAYS

BUOY 3139


EAST VELOCITY
CM/SEC
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100
50
0
−50
−100
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3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
TEMPERATURE
DEGREES C
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24
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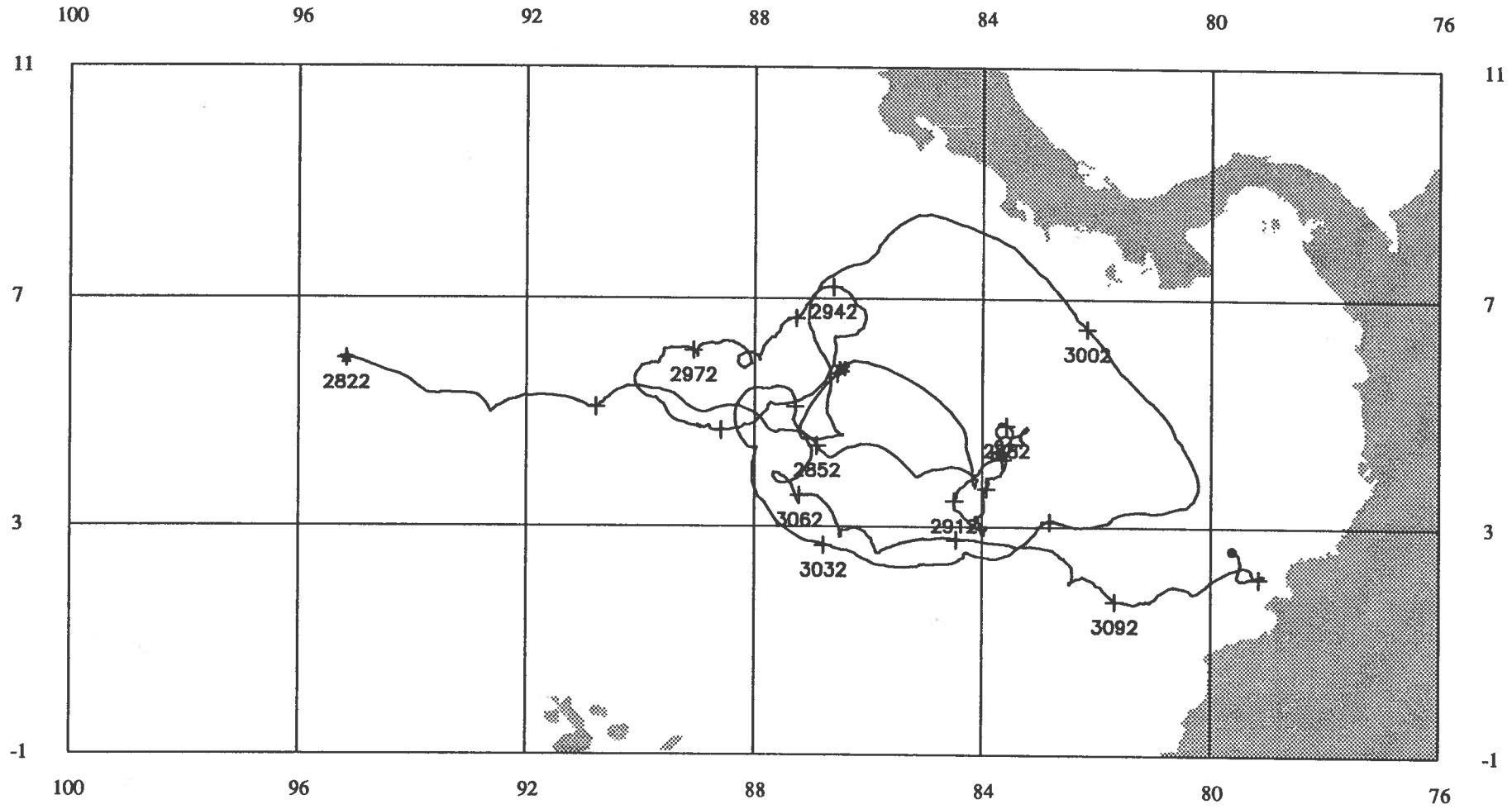
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
JULIAN DAYS

BUOY 3140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3092

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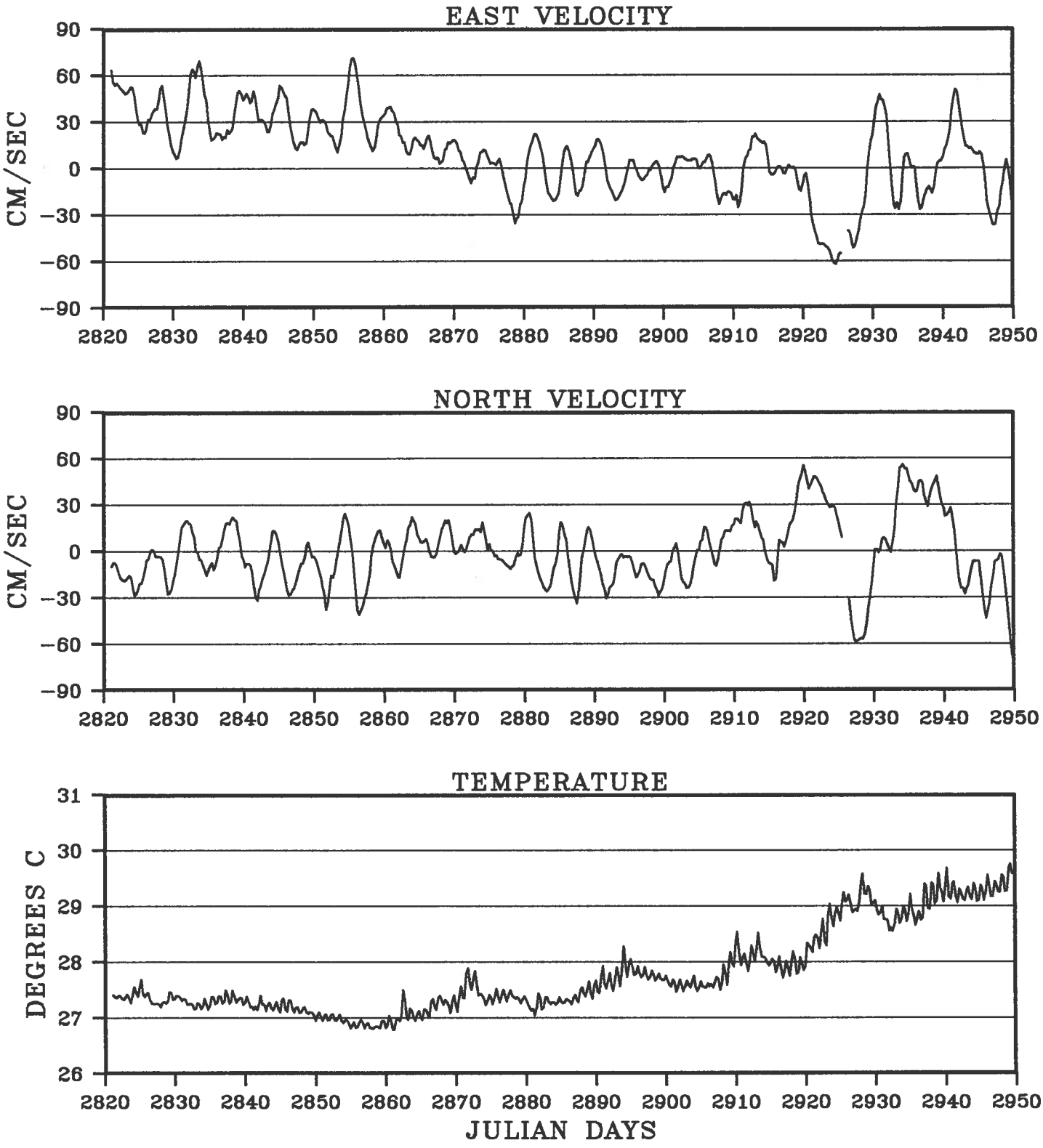
EAST VELOCITY
CM/SEC
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2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950
NORTH VELOCITY
CM/SEC
90
60
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0
−30
−60
−90
2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950
TEMPERATURE
DEGREES C
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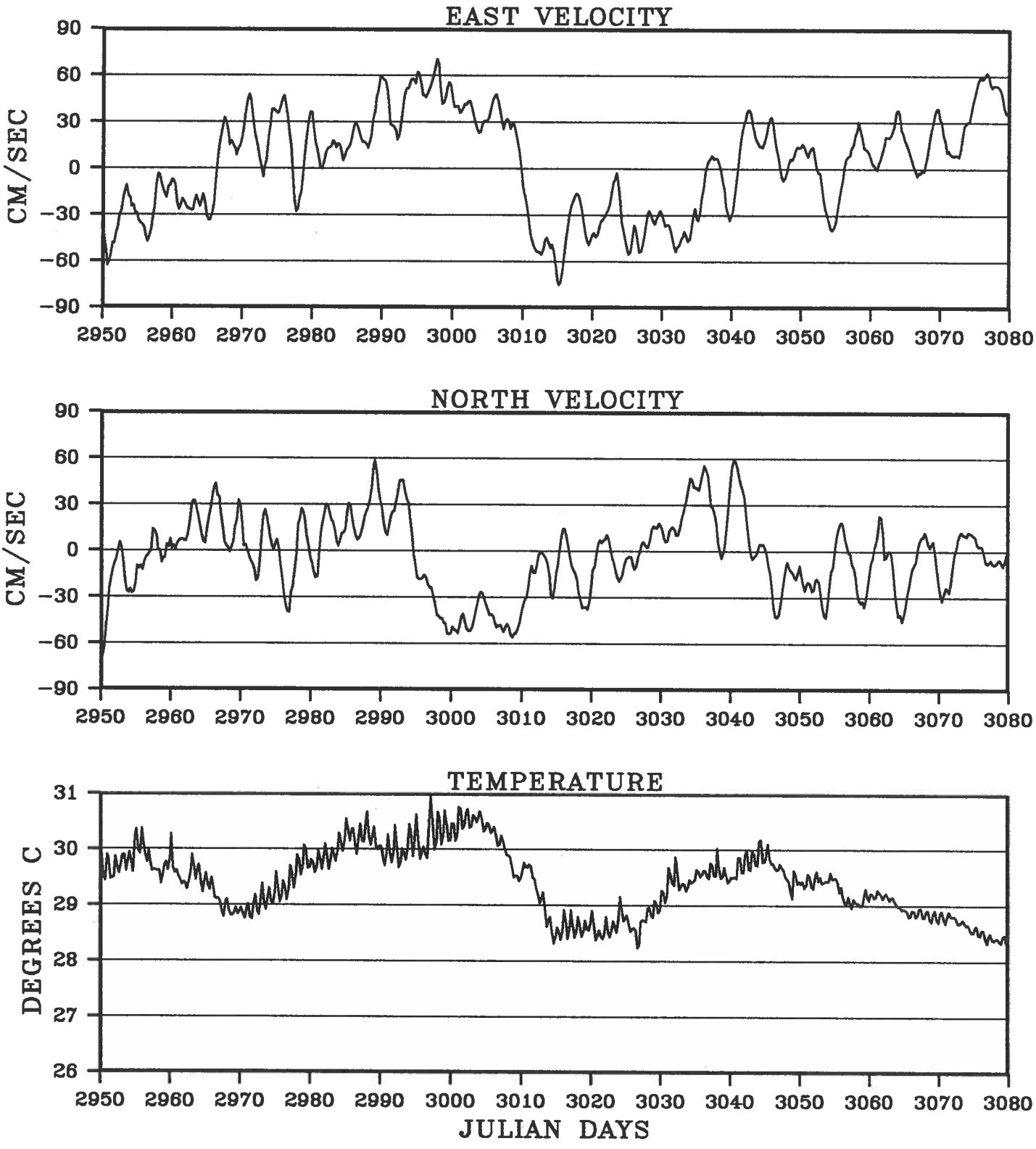
2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950
JULIAN DAYS

BUOY 3140


EAST VELOCITY
CM/SEC
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60
30
0
-30
-60
-90
2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080
TEMPERATURE
DEGREES C
31
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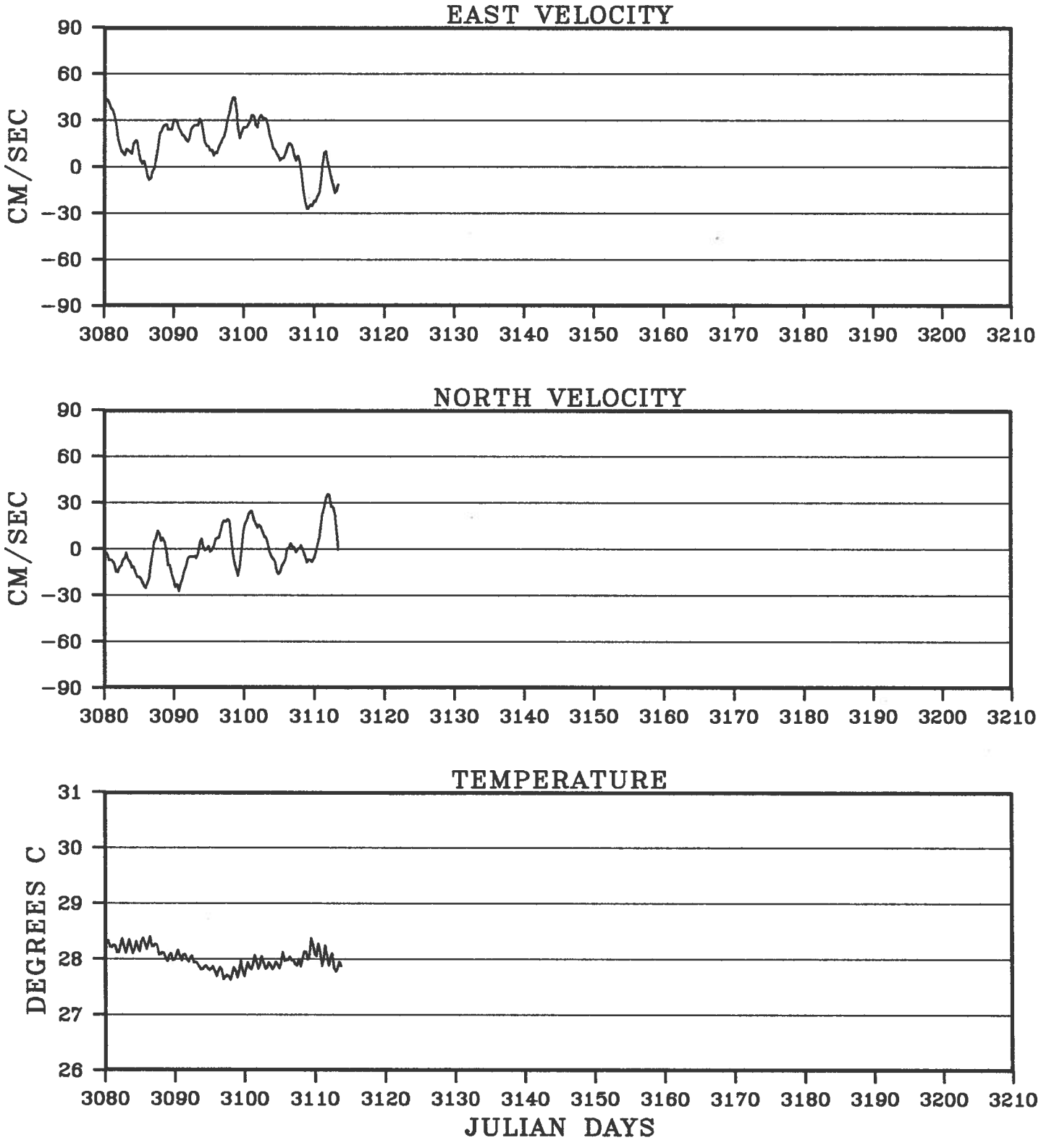
2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080
JULIAN DAYS

BUOY 3140


EAST VELOCITY
CM/SEC
90
60
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-30
-60
-90
3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210
TEMPERATURE
DEGREES C
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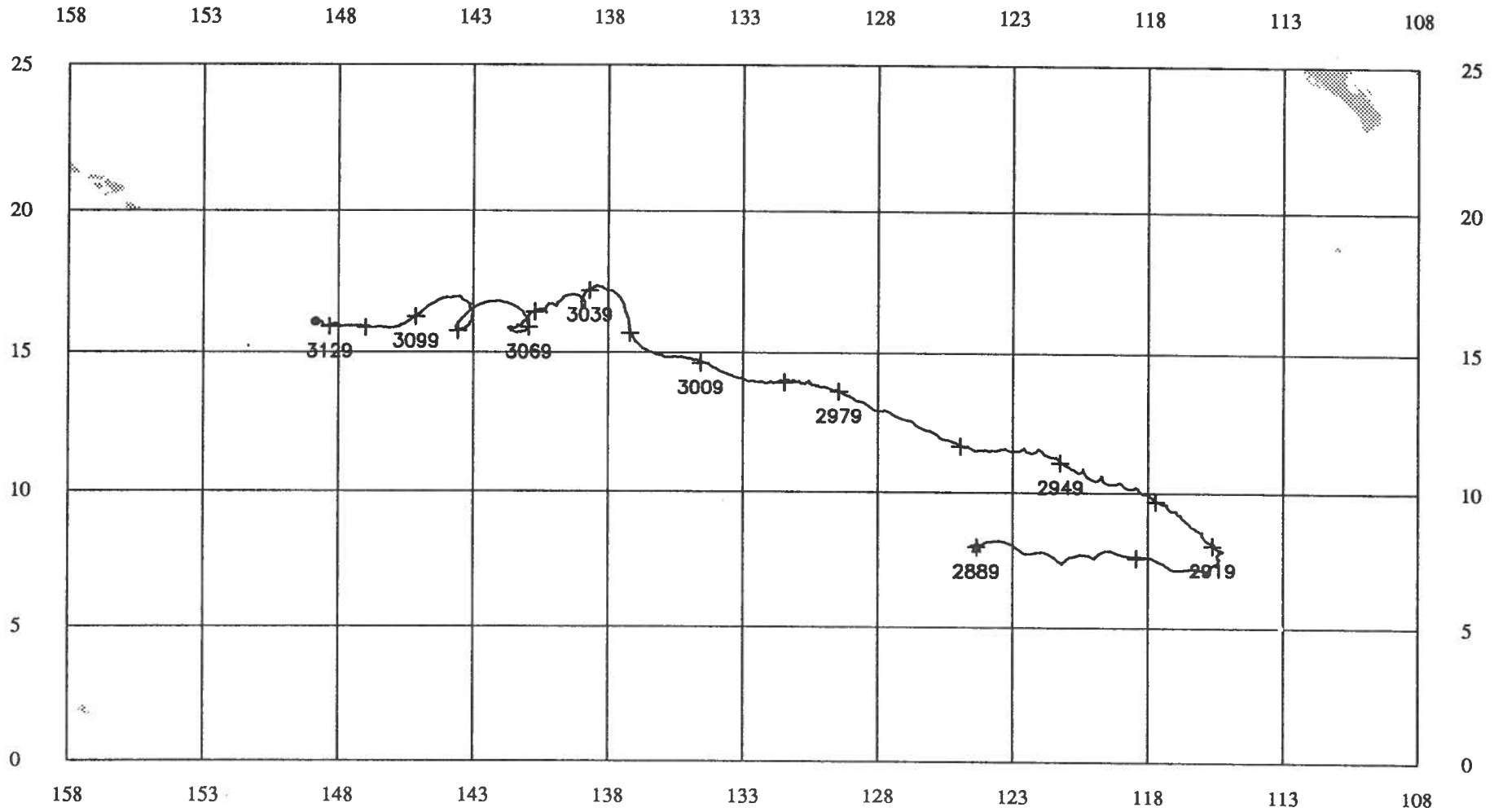
JULIAN DAYS

BUOY 3141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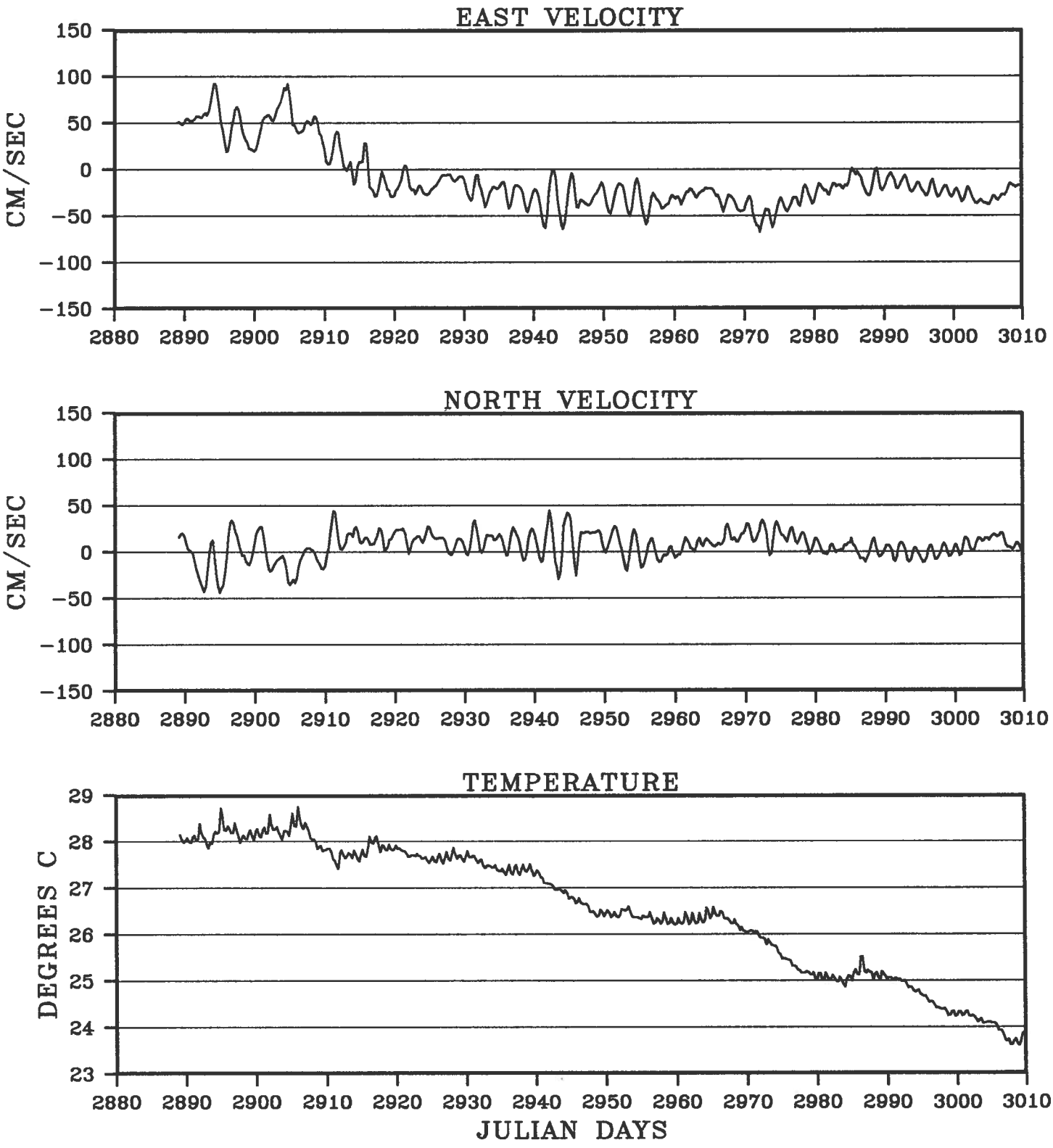
BUOY 3141


EAST VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
TEMPERATURE
DEGREES C
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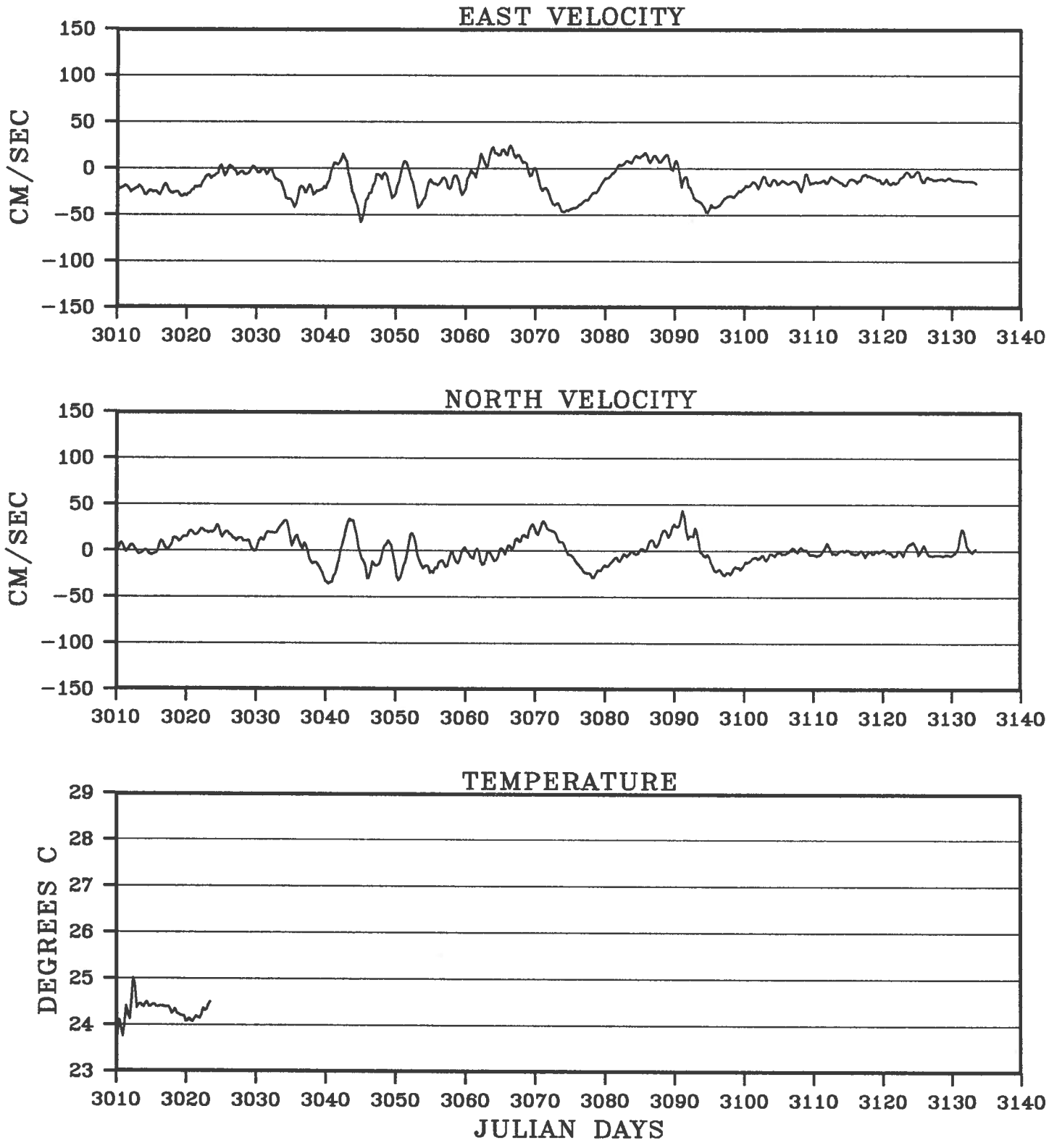
2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
JULIAN DAYS

BUOY 3141


EAST VELOCITY
CM/SEC
150
100
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−50
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−150
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
TEMPERATURE
DEGREES C
29
28
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26
25
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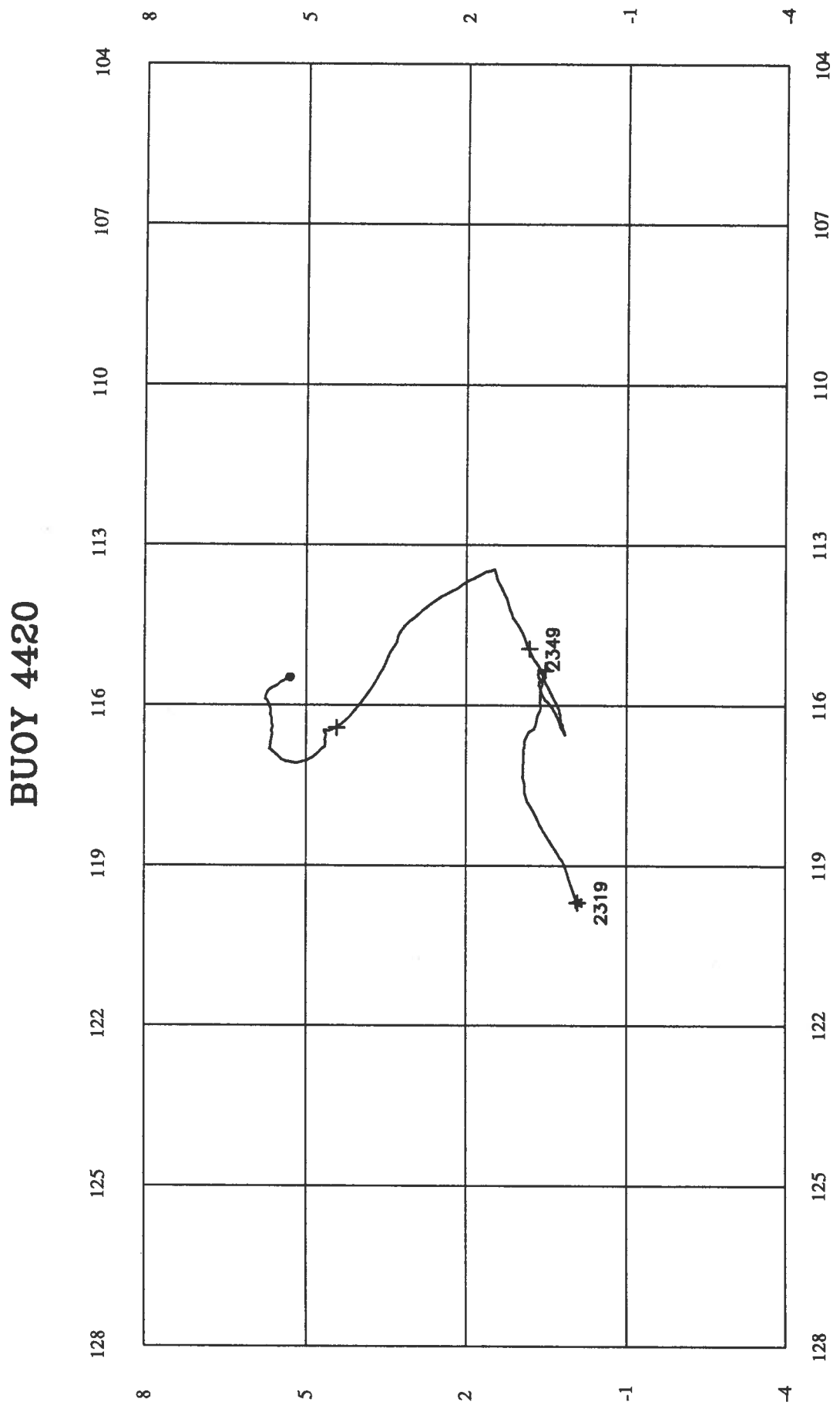
23
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
JULIAN DAYS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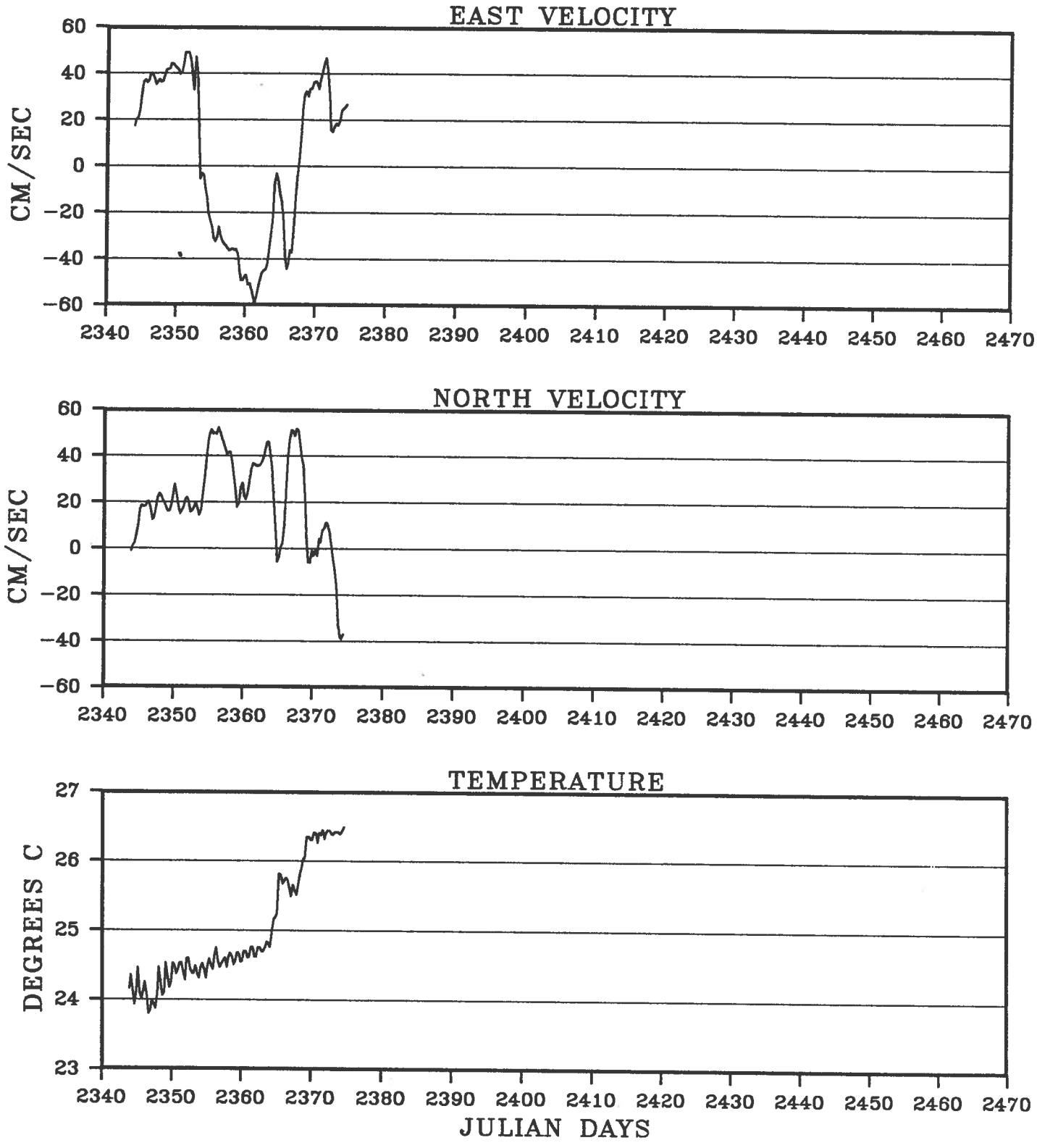
BUOY 4420


EAST VELOCITY
CM/SEC
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-20
-40
-60
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
TEMPERATURE
DEGREES C
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24
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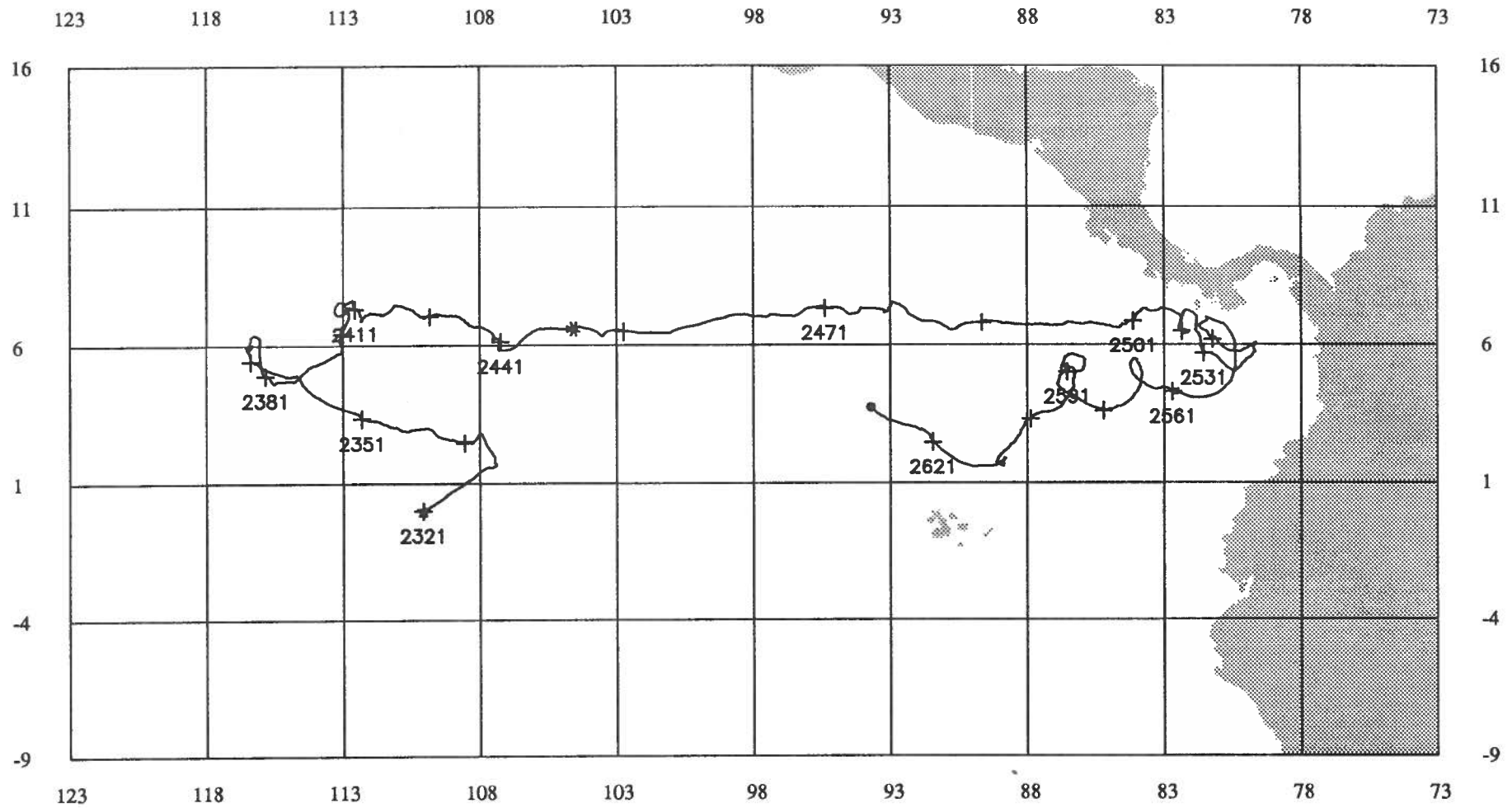
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
JULIAN DAYS

BUOY 4422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2591
2621
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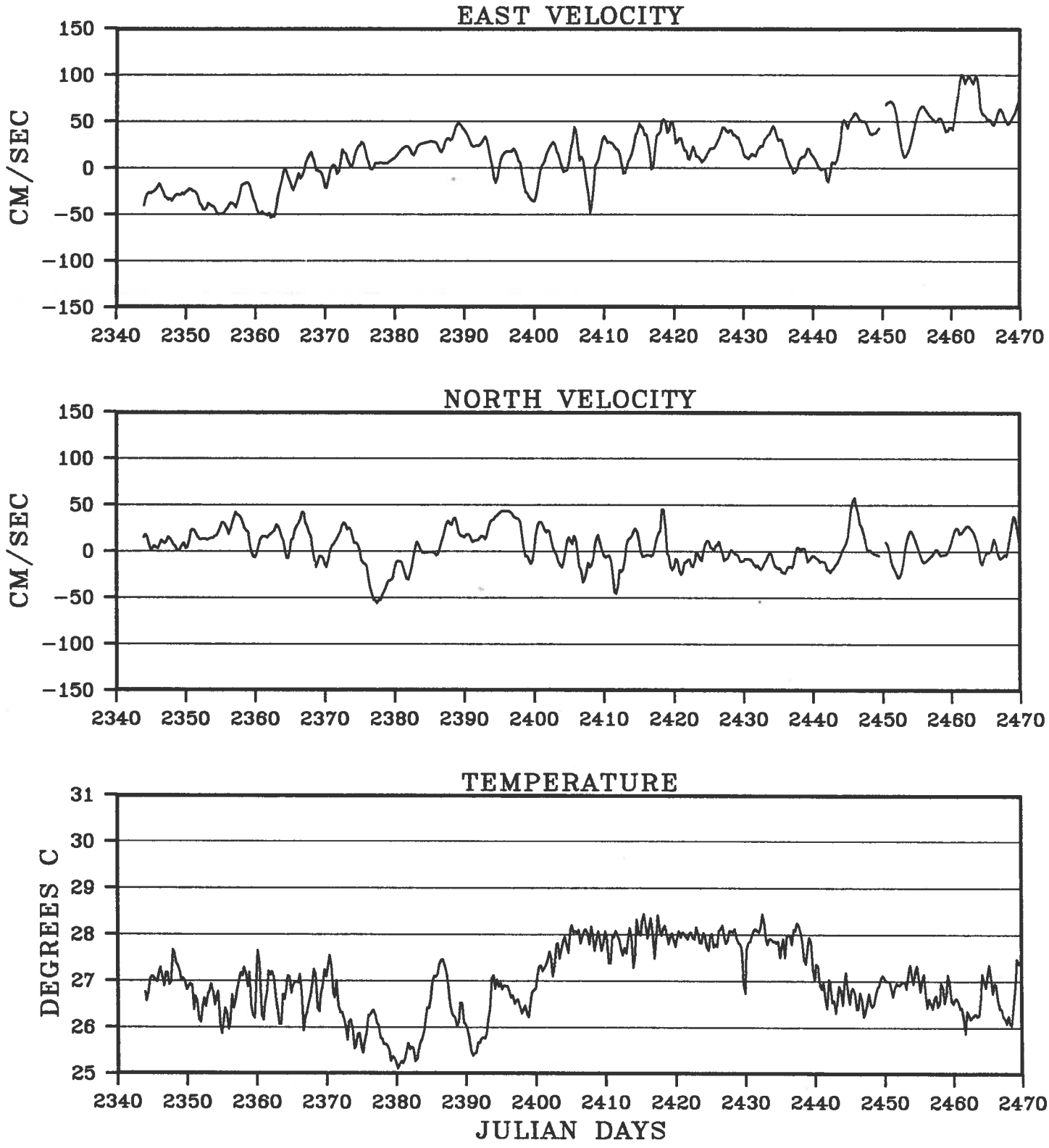
2321

BUOY 4422


EAST VELOCITY
CM/SEC
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−50
−100
−150
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
NORTH VELOCITY
CM/SEC
150
100
50
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−50
−100
−150
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
TEMPERATURE
DEGREES C
31
30
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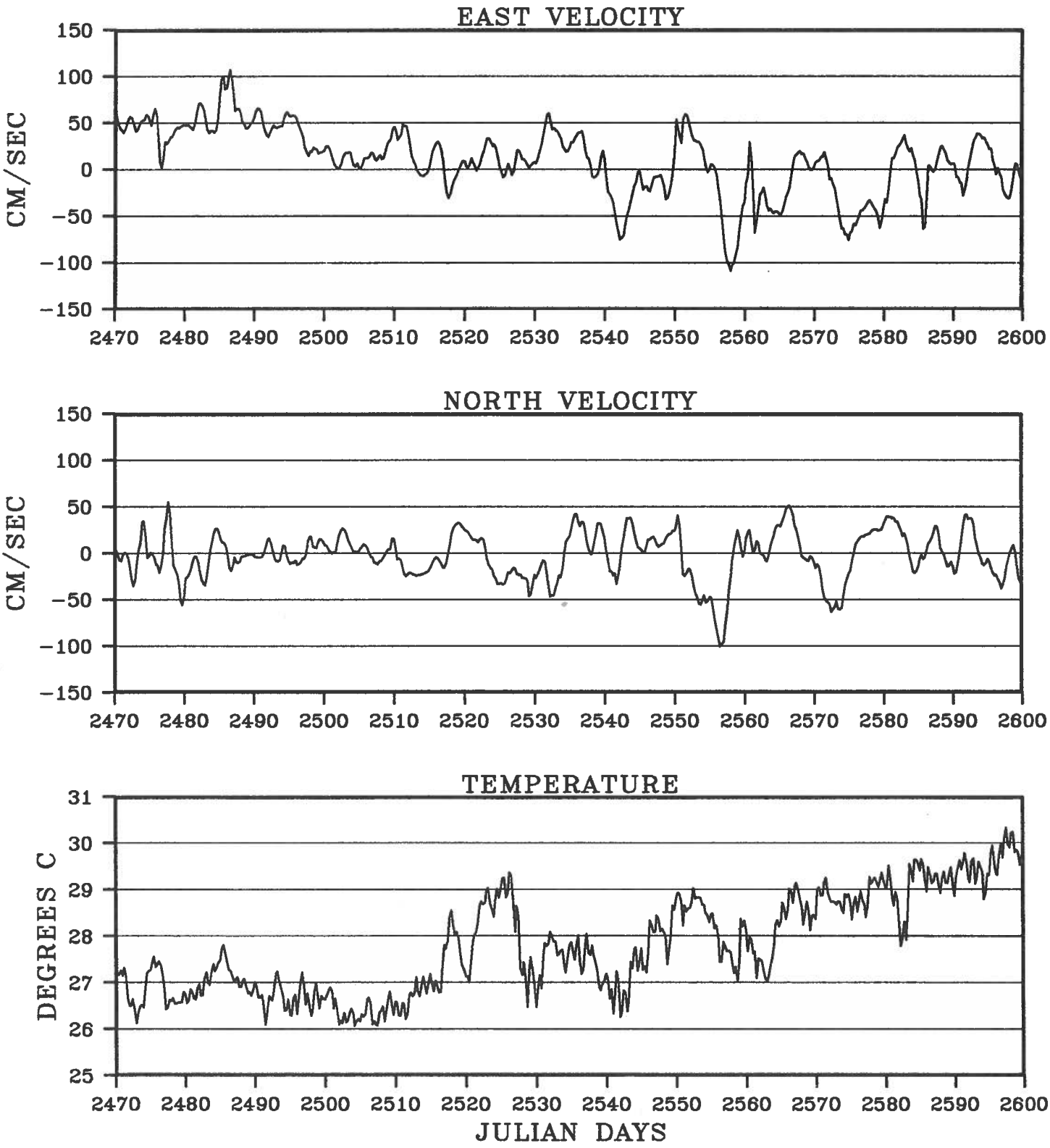
26
25
2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470
JULIAN DAYS

BUOY 4422


EAST VELOCITY
CM/SEC
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−150
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
TEMPERATURE
DEGREES C
31
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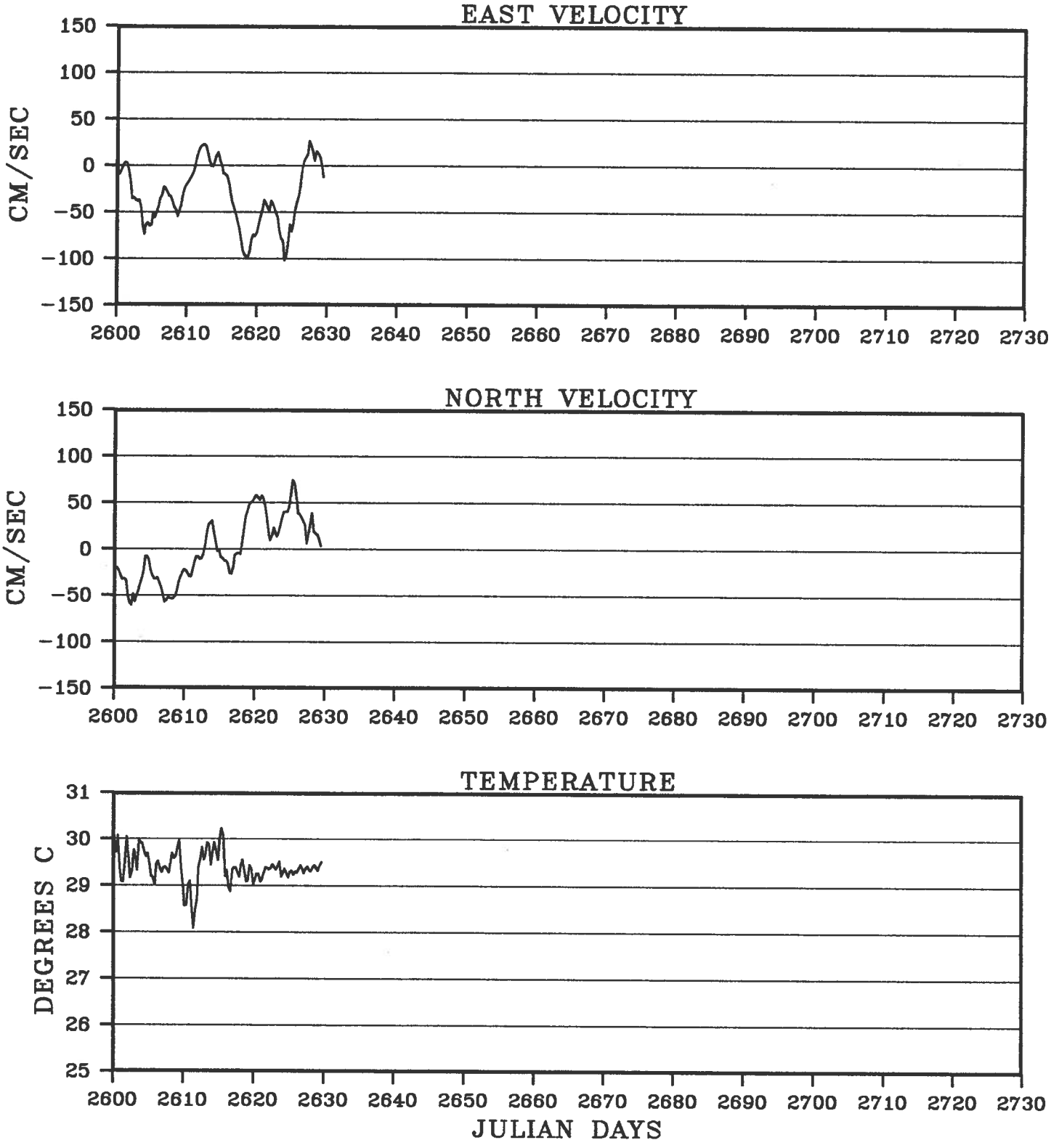
25
2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600
JULIAN DAYS

BUOY 4422


EAST VELOCITY
CM/SEC
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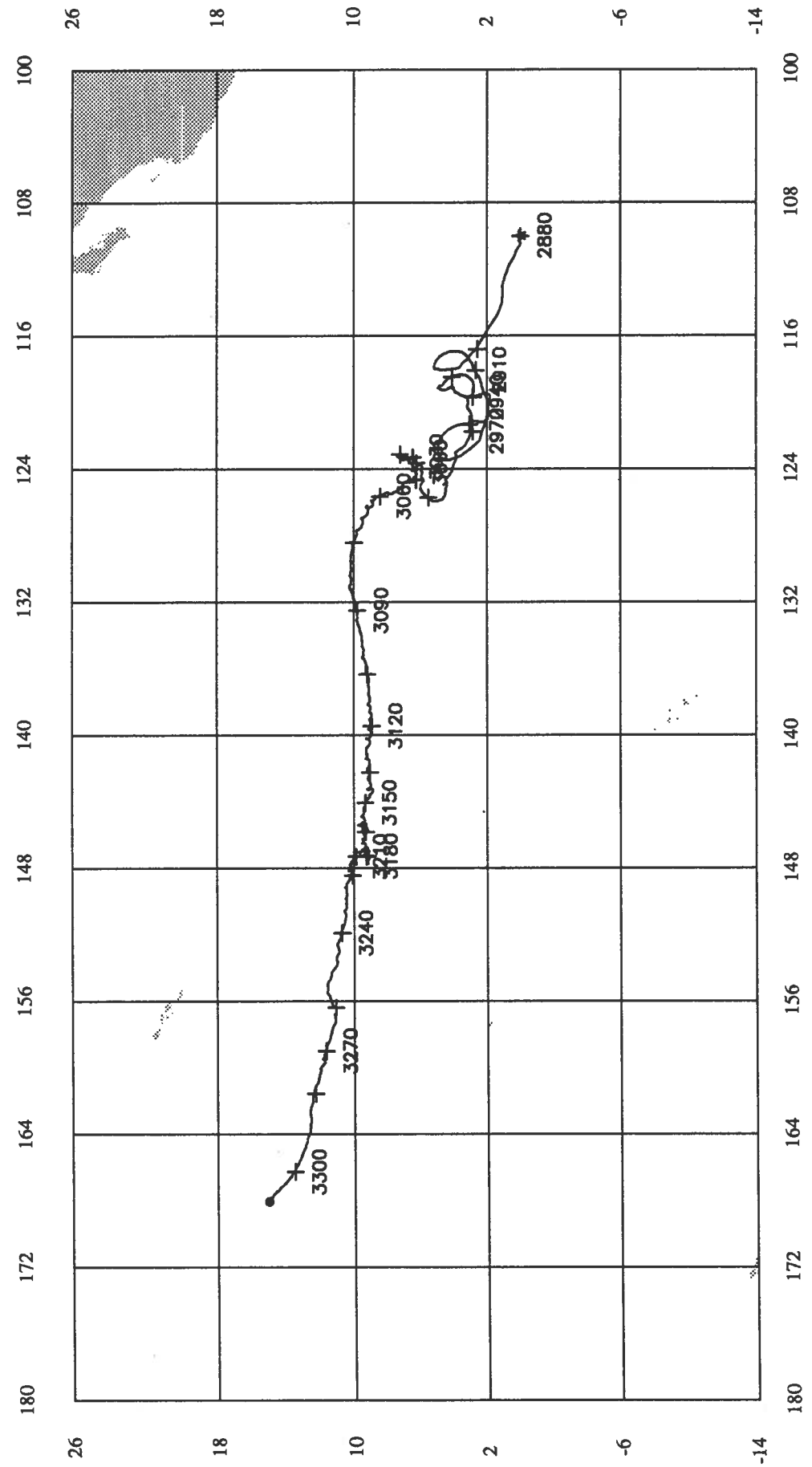
-50
-100
-150
2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730
NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730
TEMPERATURE
DEGREES C
31
30
29
28
27
26
25
2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730
JULIAN DAYS

BUOY 4806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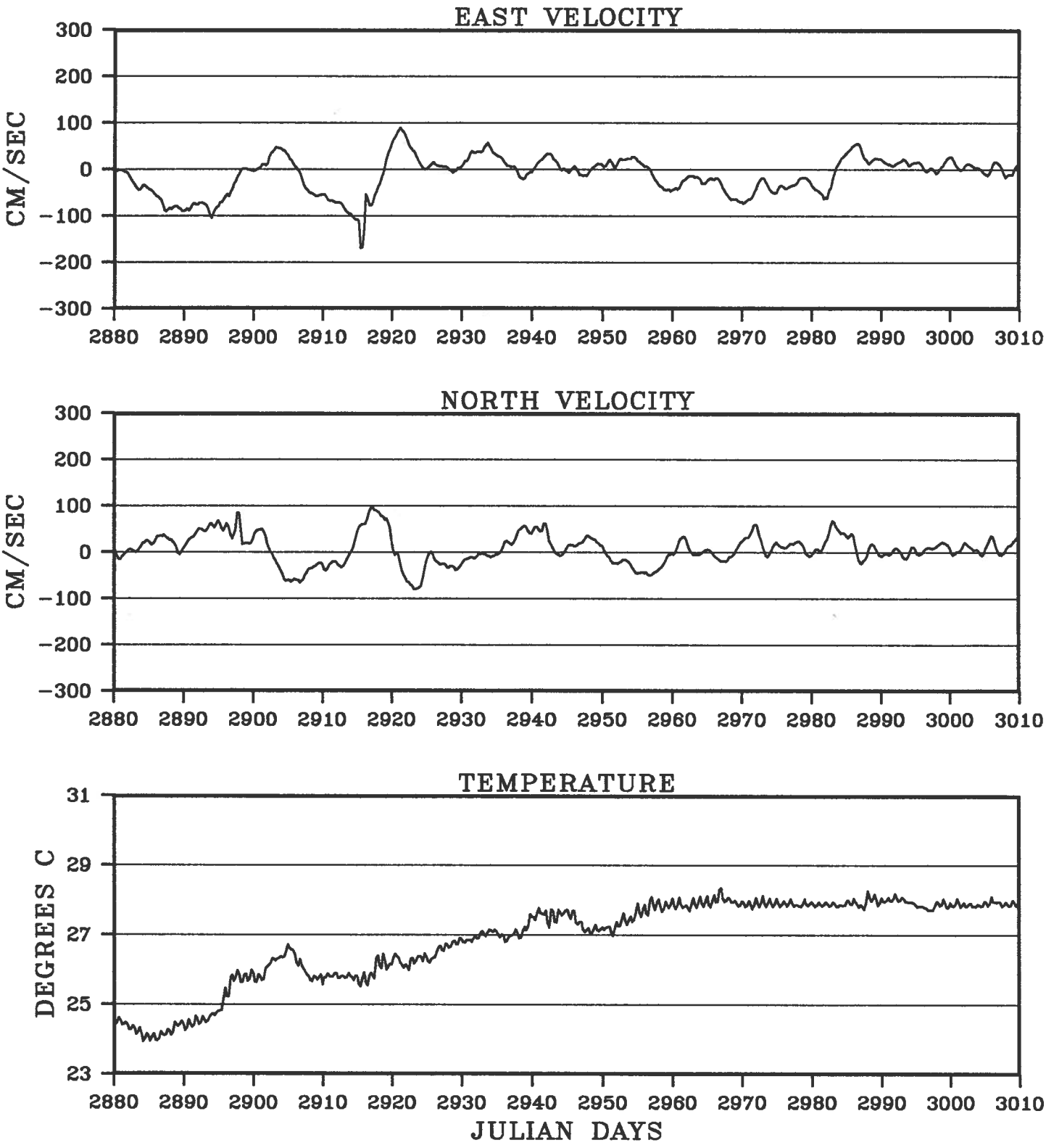
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CM/SEC
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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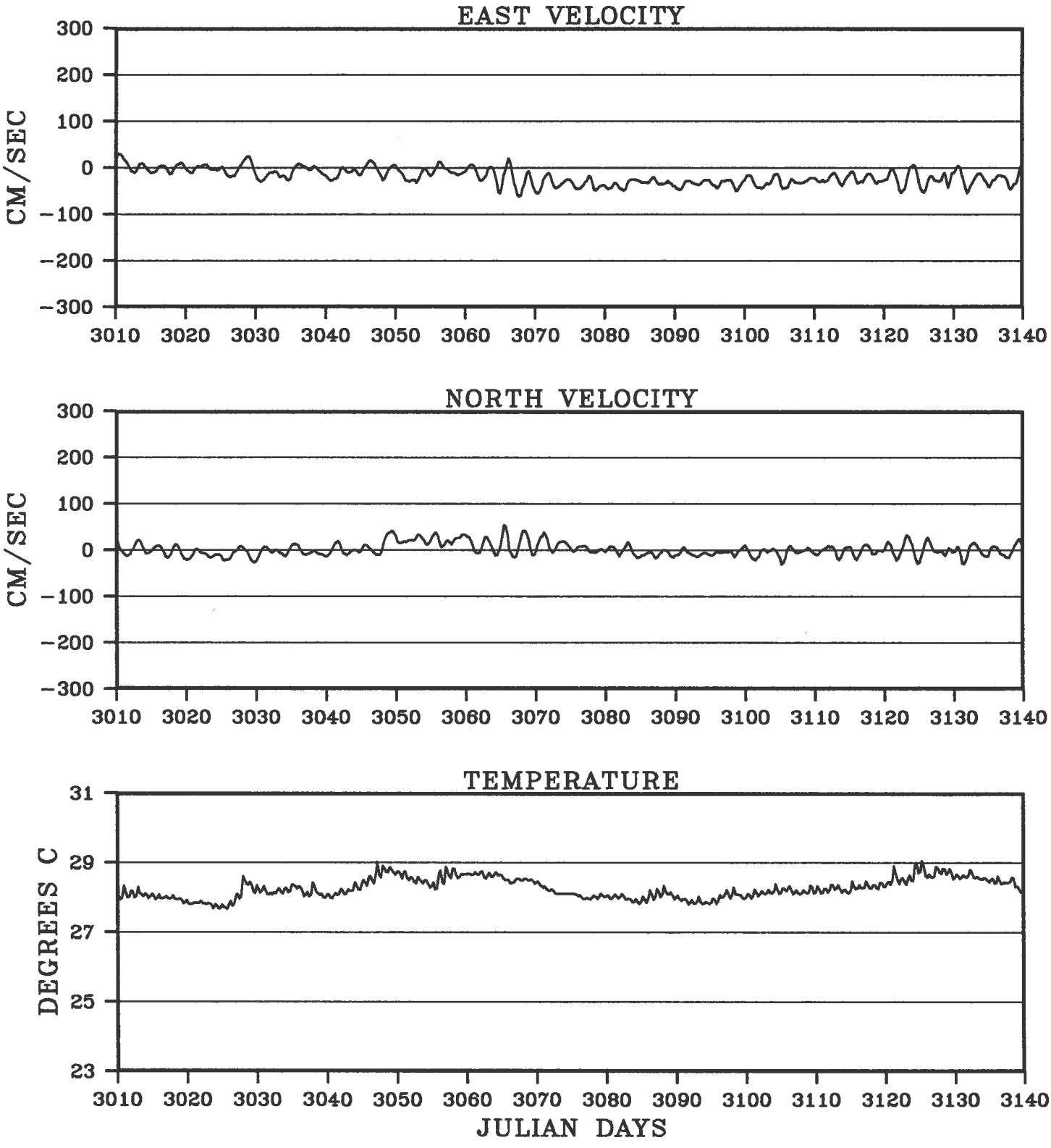
JULIAN DAYS

BUOY 4806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NORTH VELOCITY
CM/SEC
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100
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-100
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3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
TEMPERATURE
DEGREES C
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JULIAN DAYS

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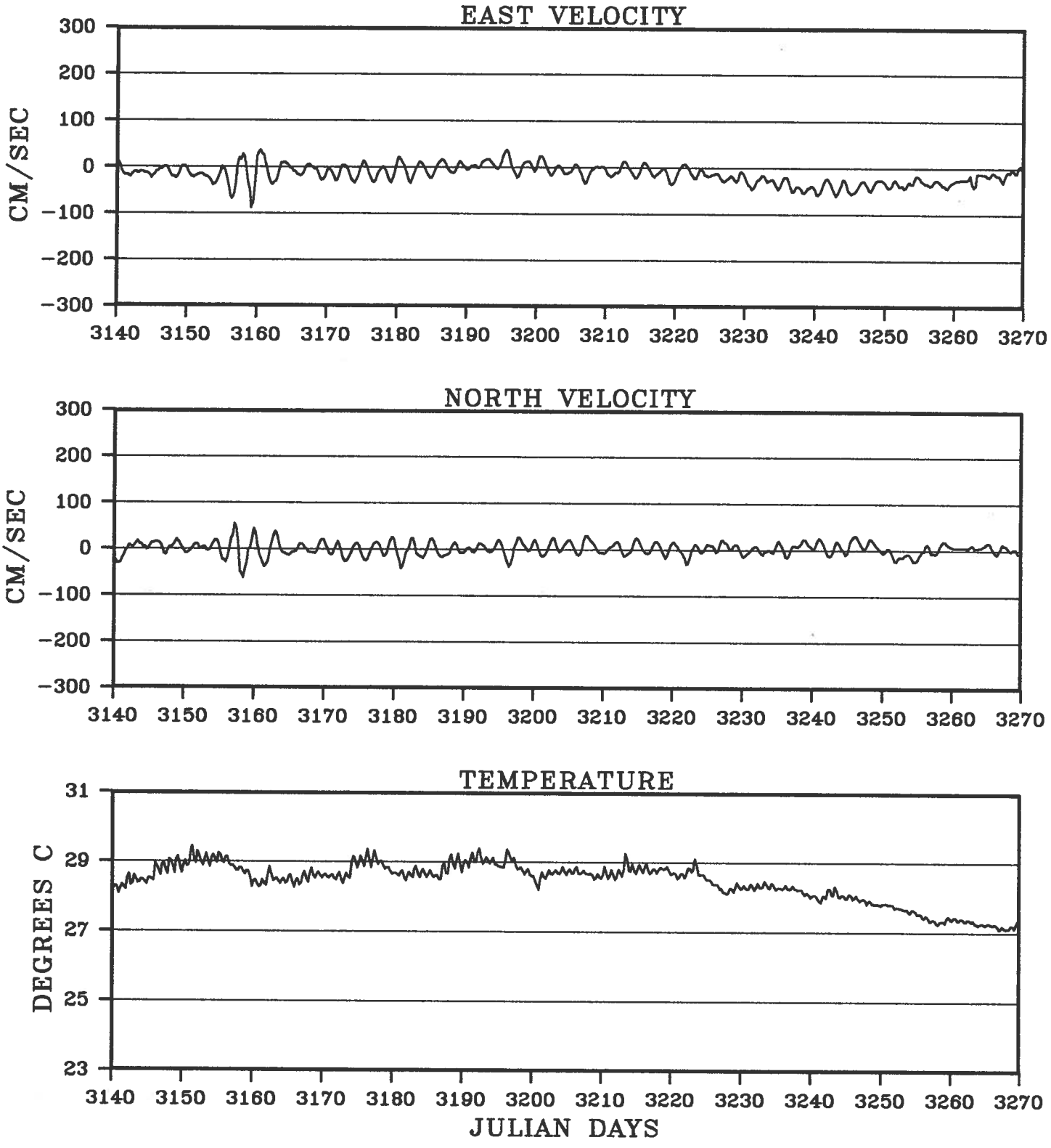
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NORTH VELOCITY
CM/SEC
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100
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-100
-200
-300
3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
TEMPERATURE
DEGREES C
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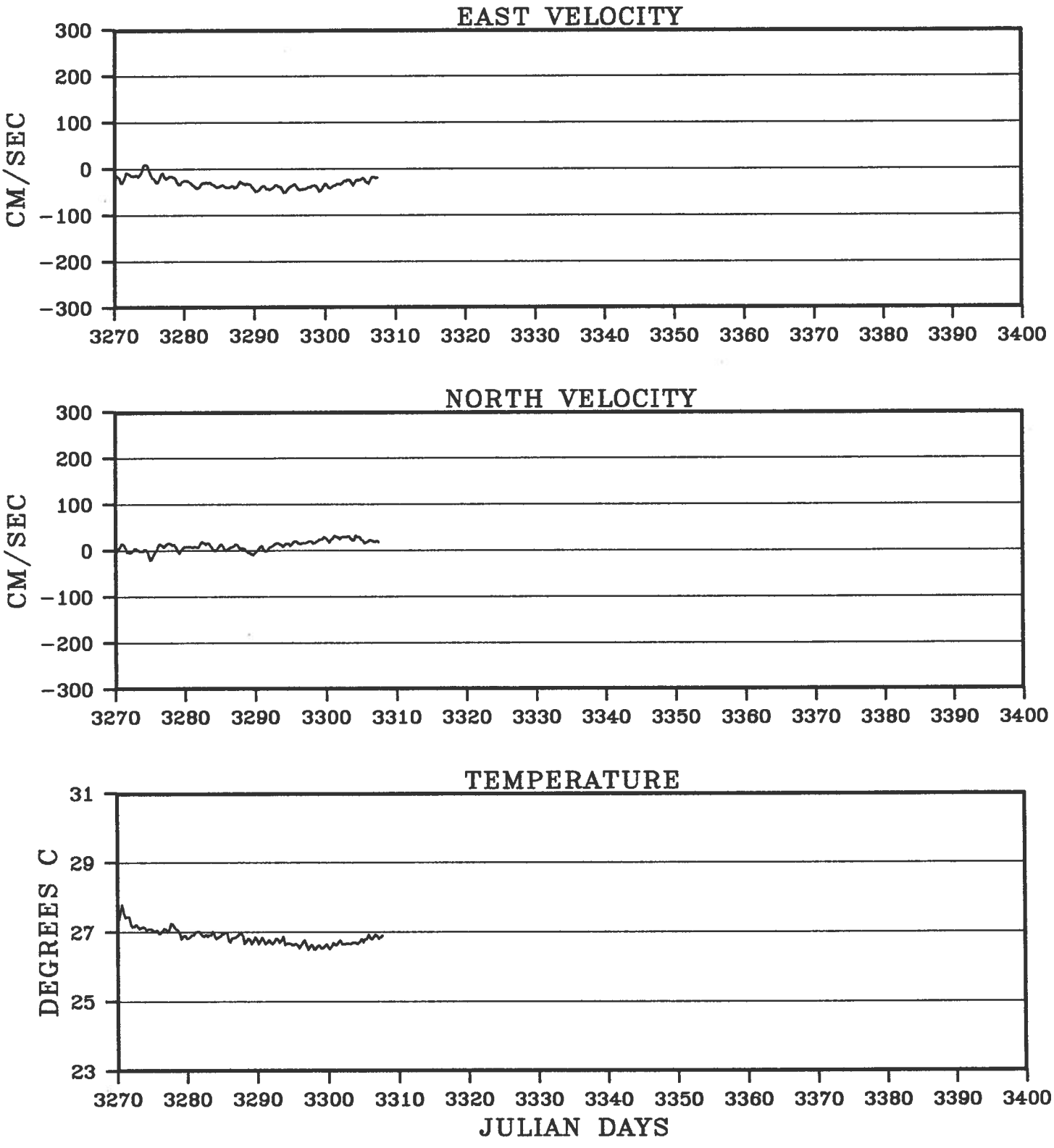
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NORTH VELOCITY
CM/SEC
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200
100
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-200
-300
3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400
TEMPERATURE
DEGREES C
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JULIAN DAYS

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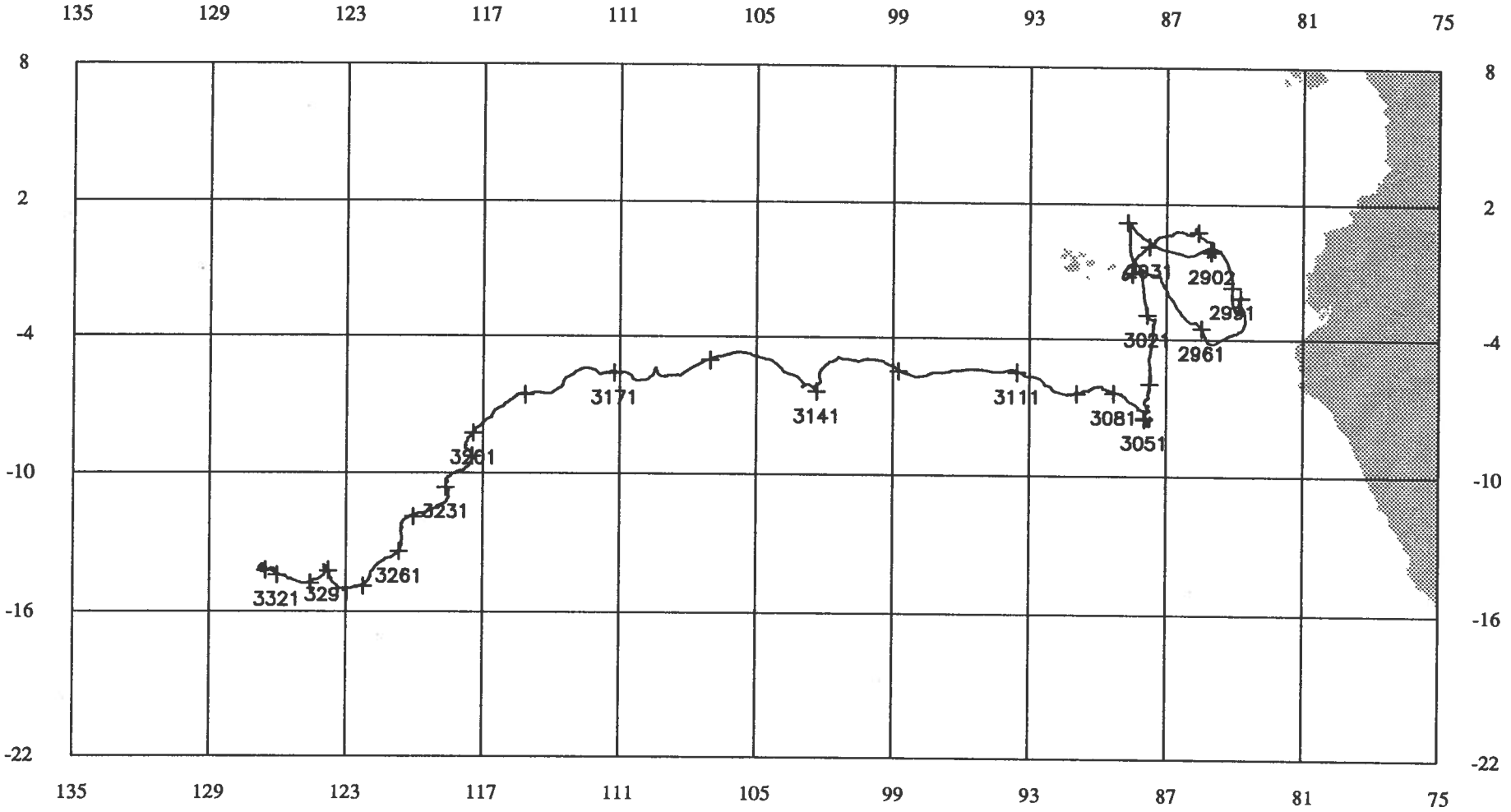
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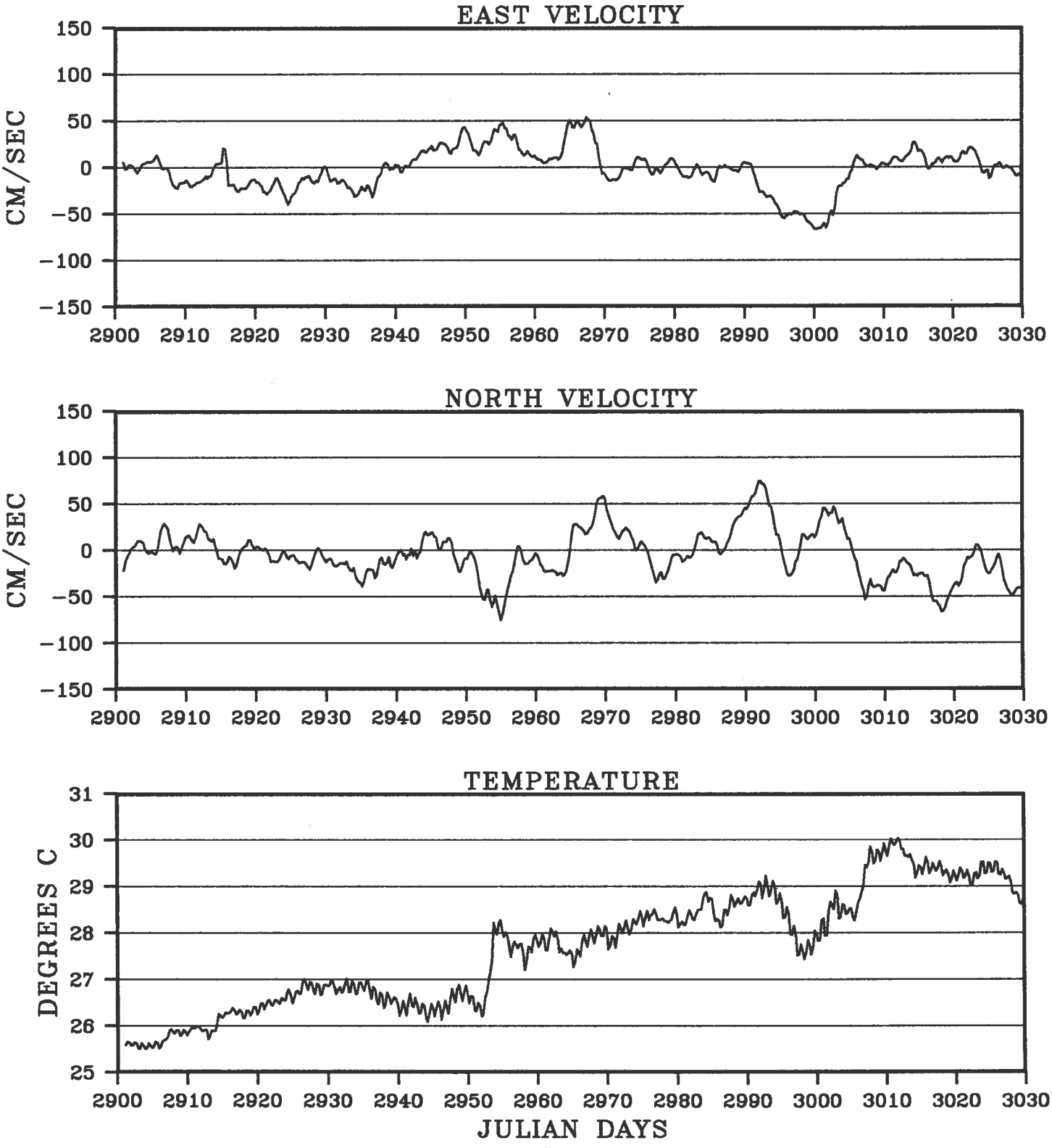
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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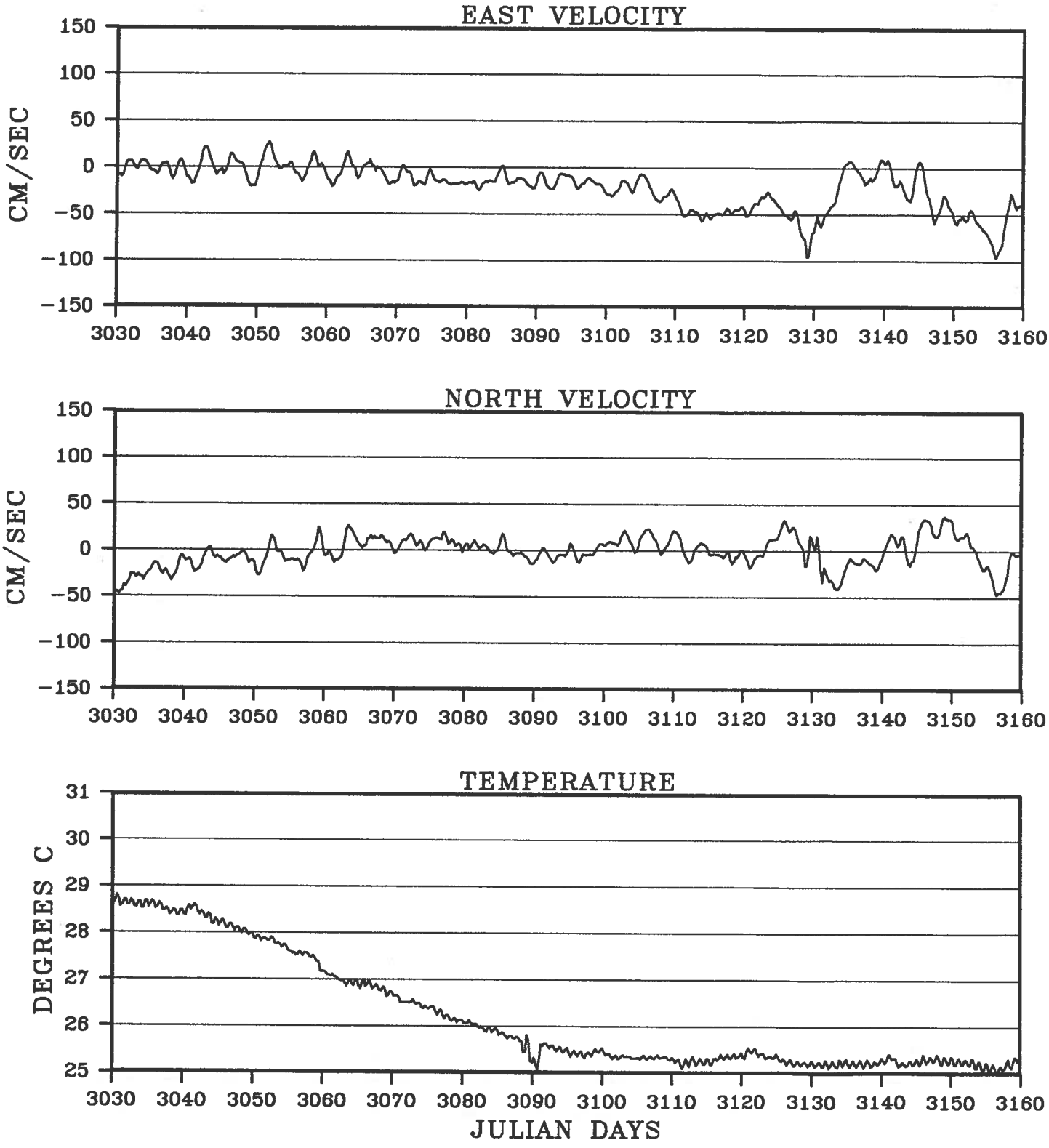
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CM/SEC
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NORTH VELOCITY
CM/SEC
150
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-100
-150
3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160
TEMPERATURE
DEGREES C
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JULIAN DAYS

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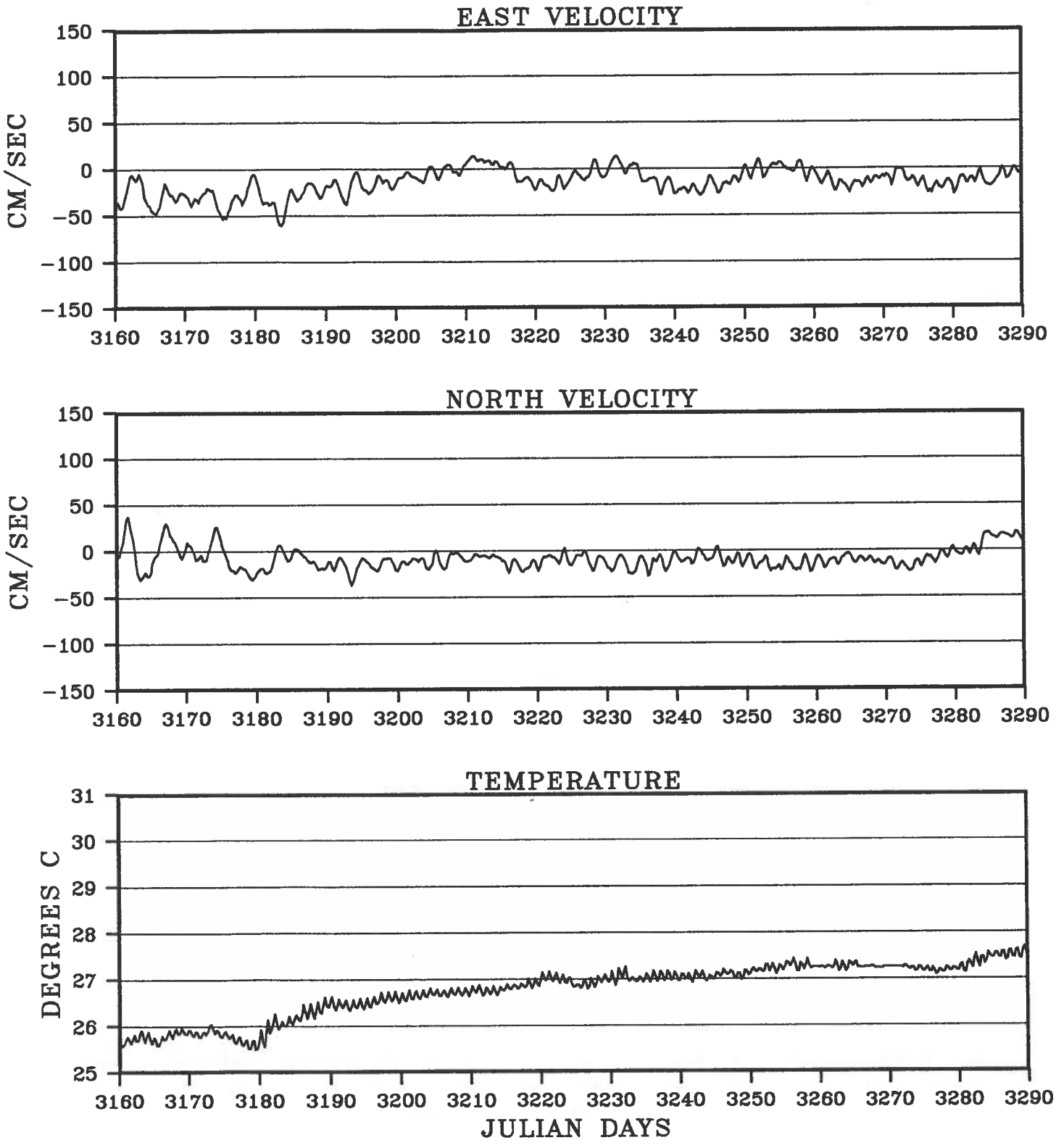
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NORTH VELOCITY
CM/SEC
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3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290
TEMPERATURE
DEGREES C
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JULIAN DAYS

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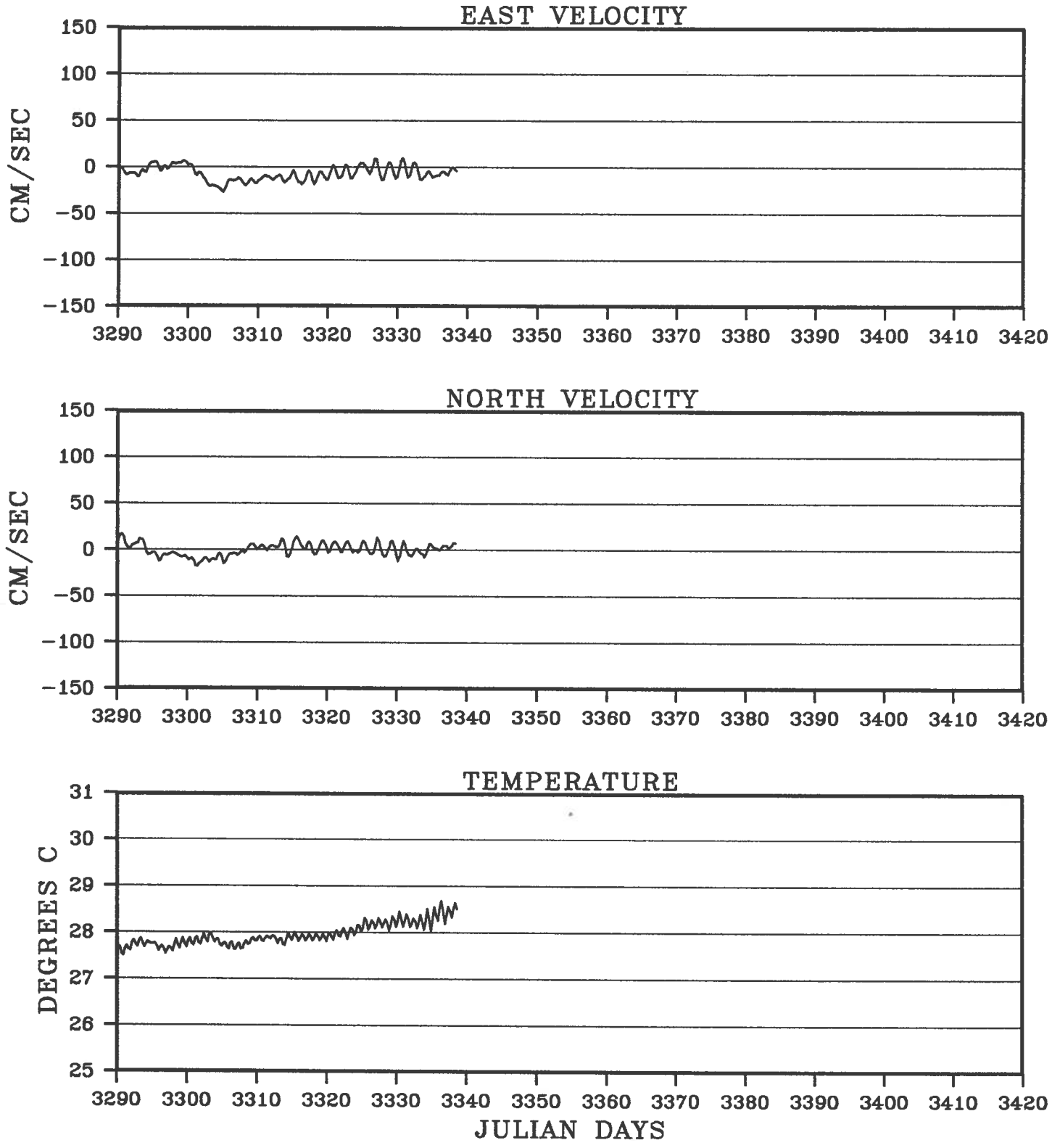
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NORTH VELOCITY
CM/SEC
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-150
3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420
TEMPERATURE
DEGREES C
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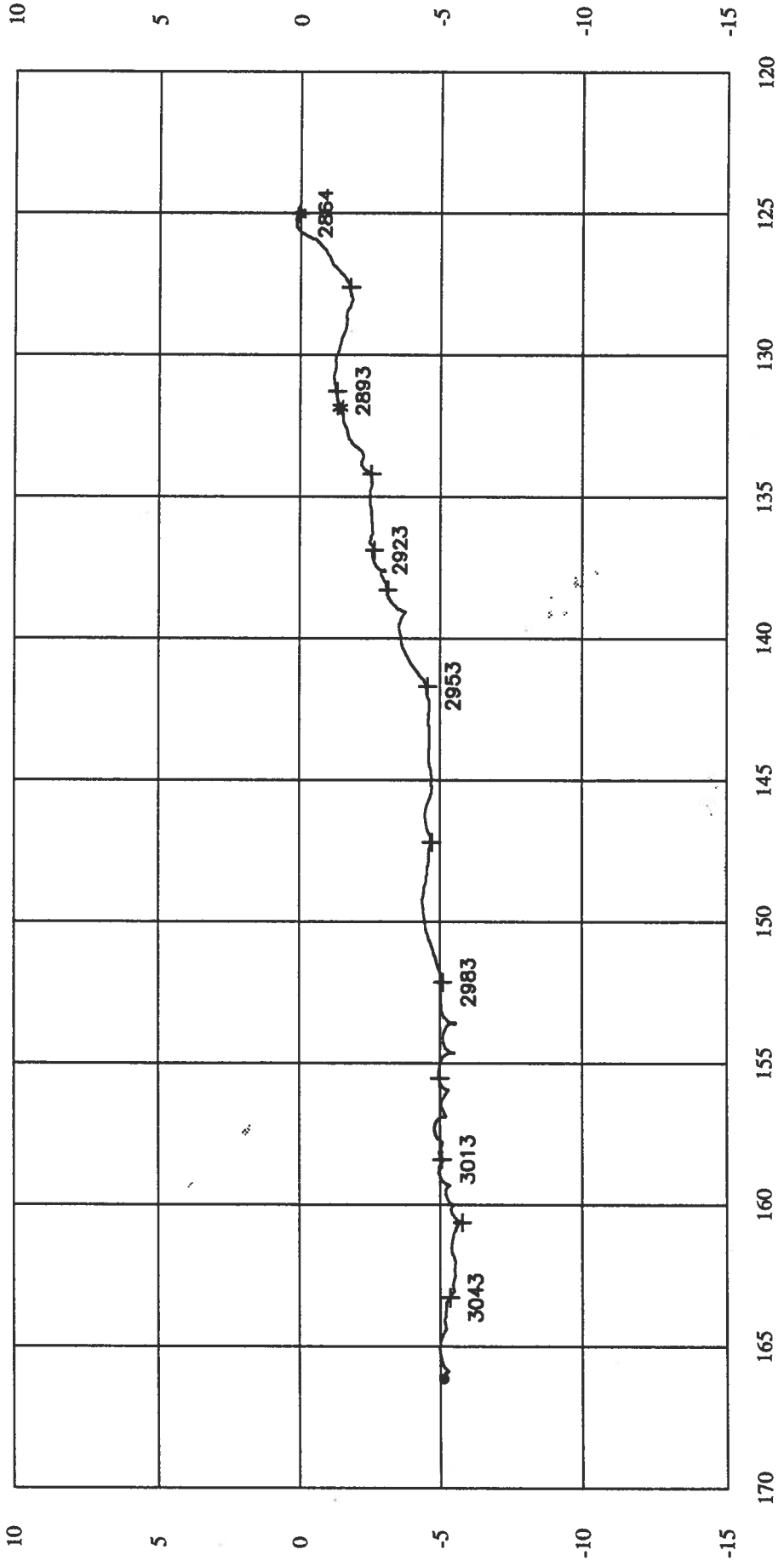
JULIAN DAYS

BUOY 4808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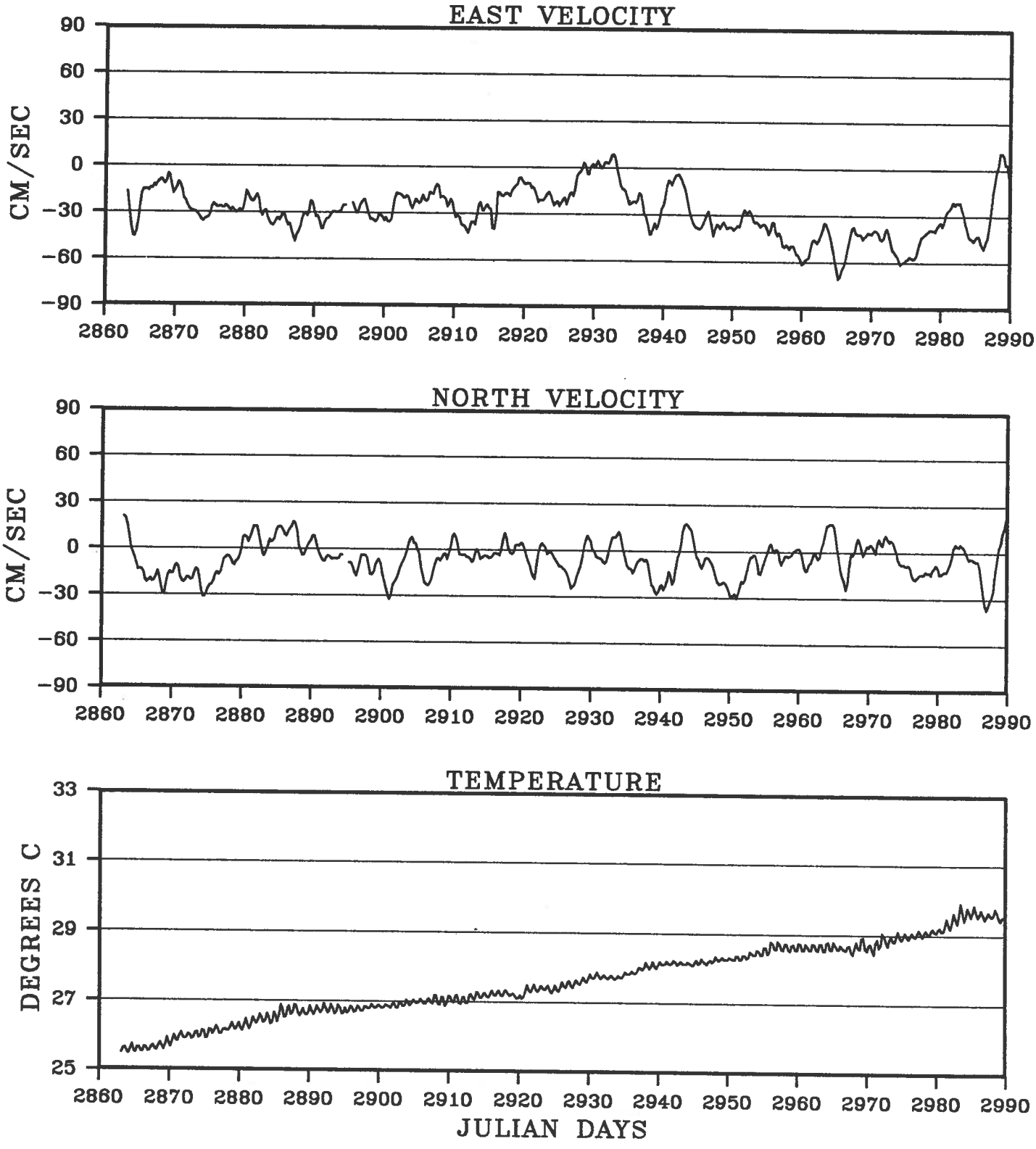
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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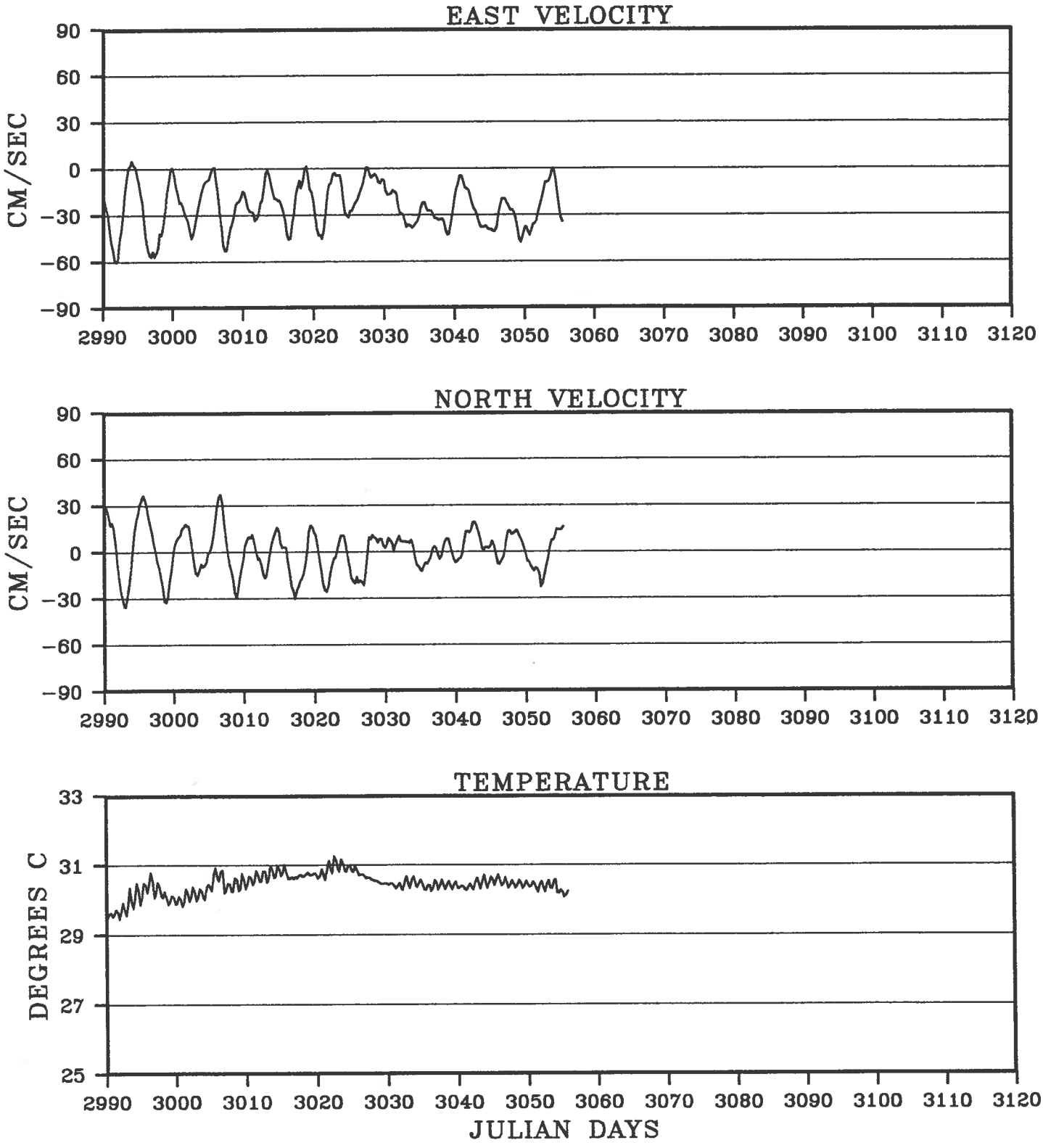
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NORTH VELOCITY
CM/SEC
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2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120
TEMPERATURE
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JULIAN DAYS

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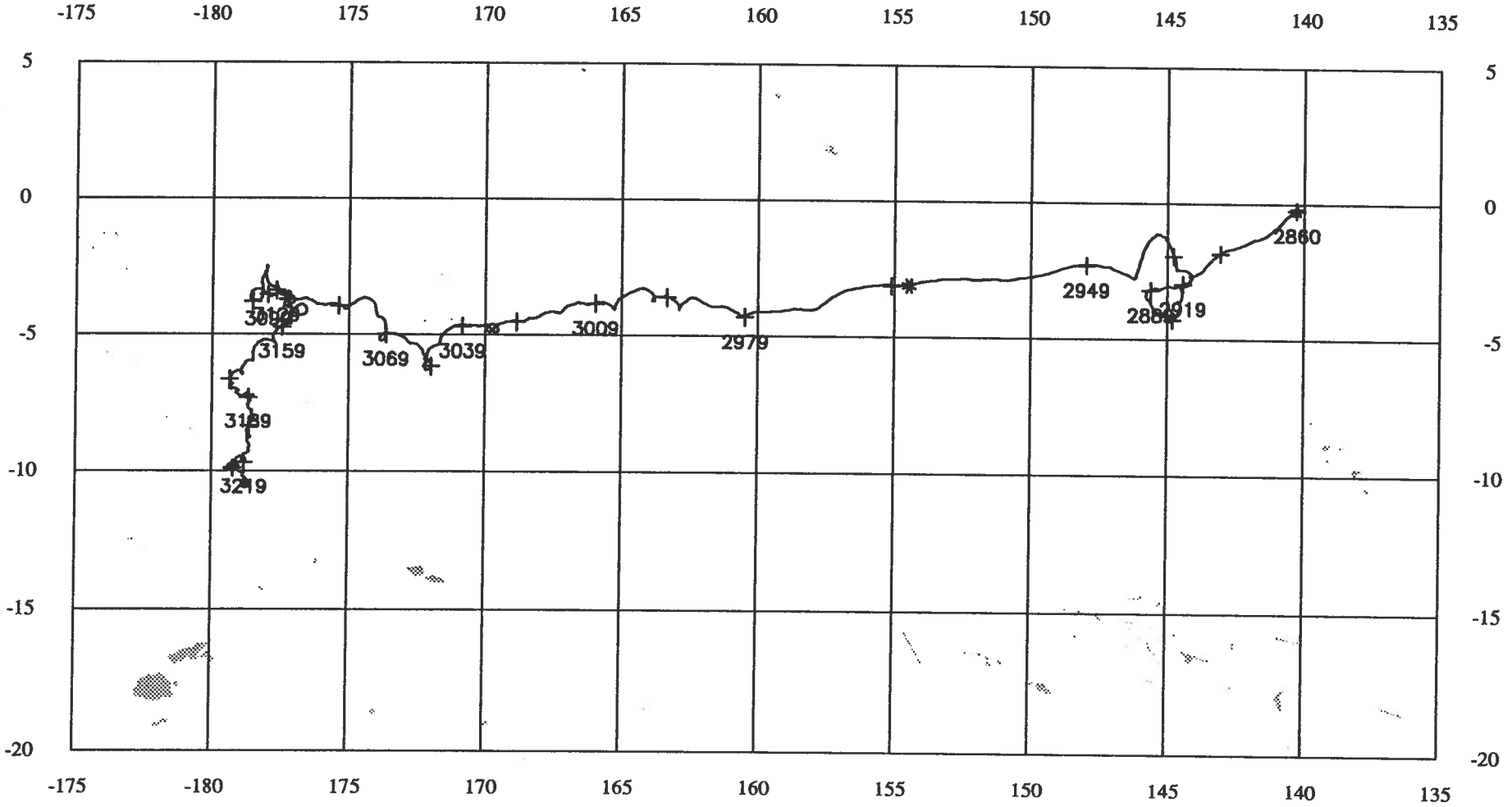
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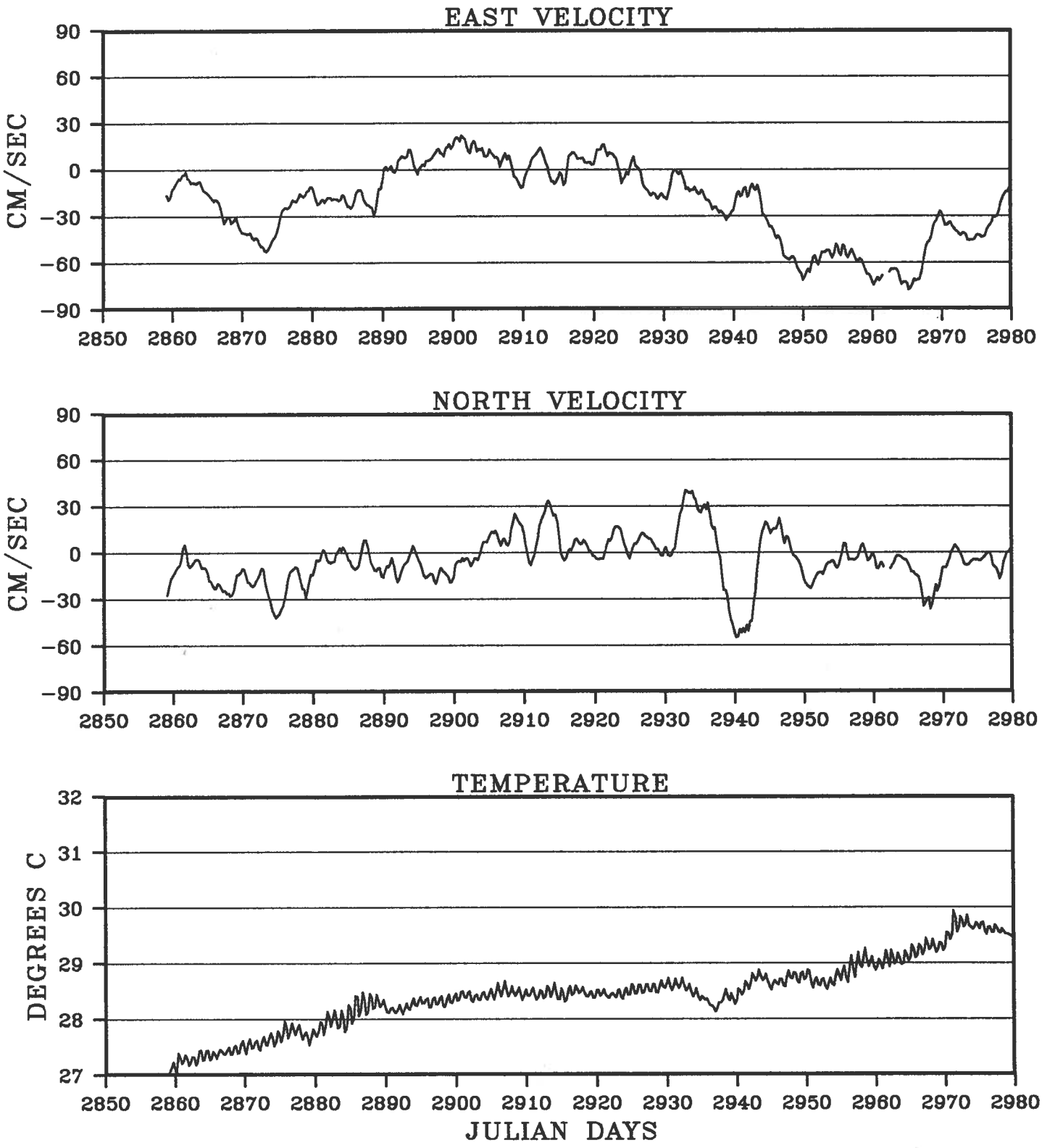
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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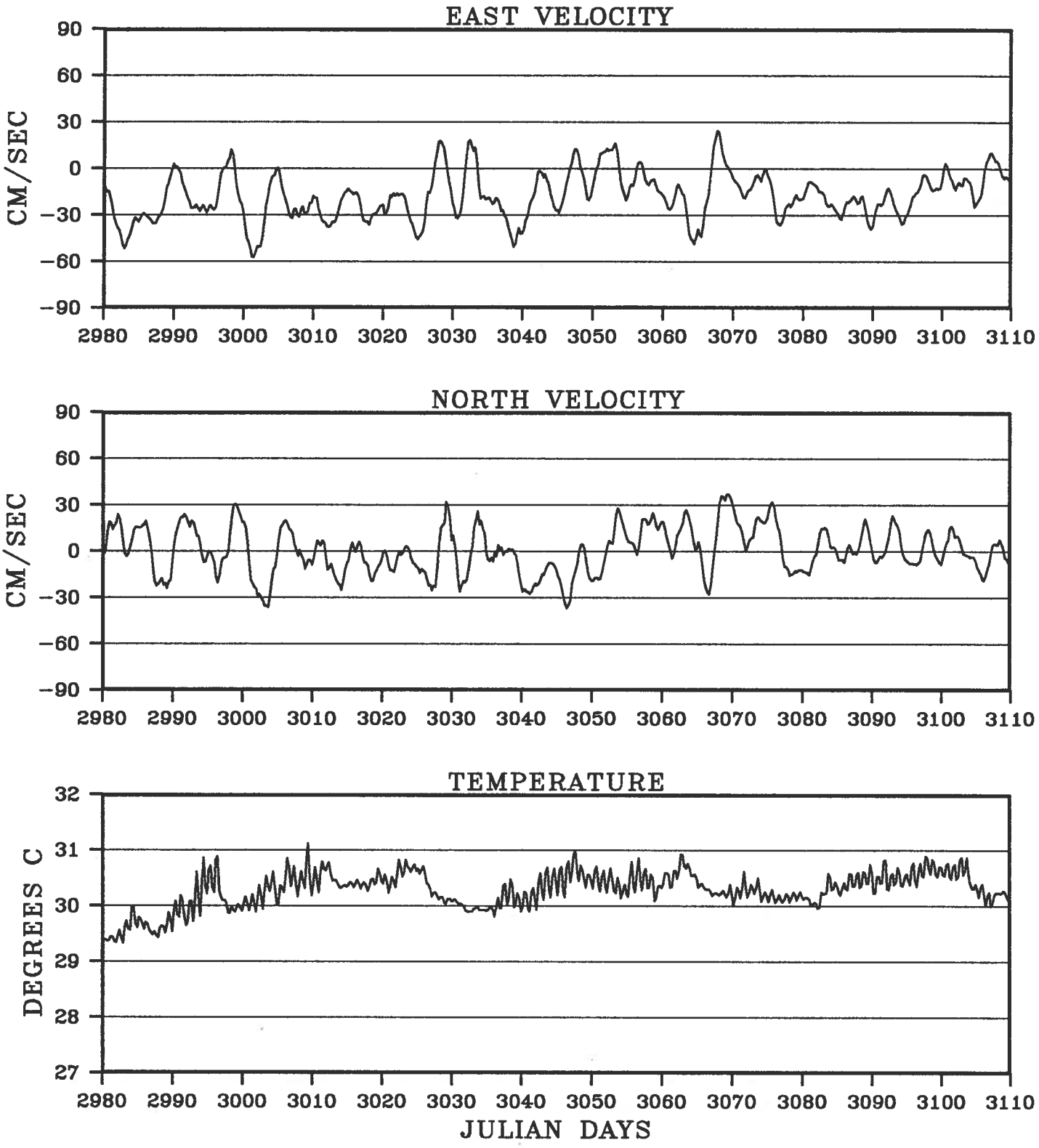
JULIAN DAYS

BUOY 4809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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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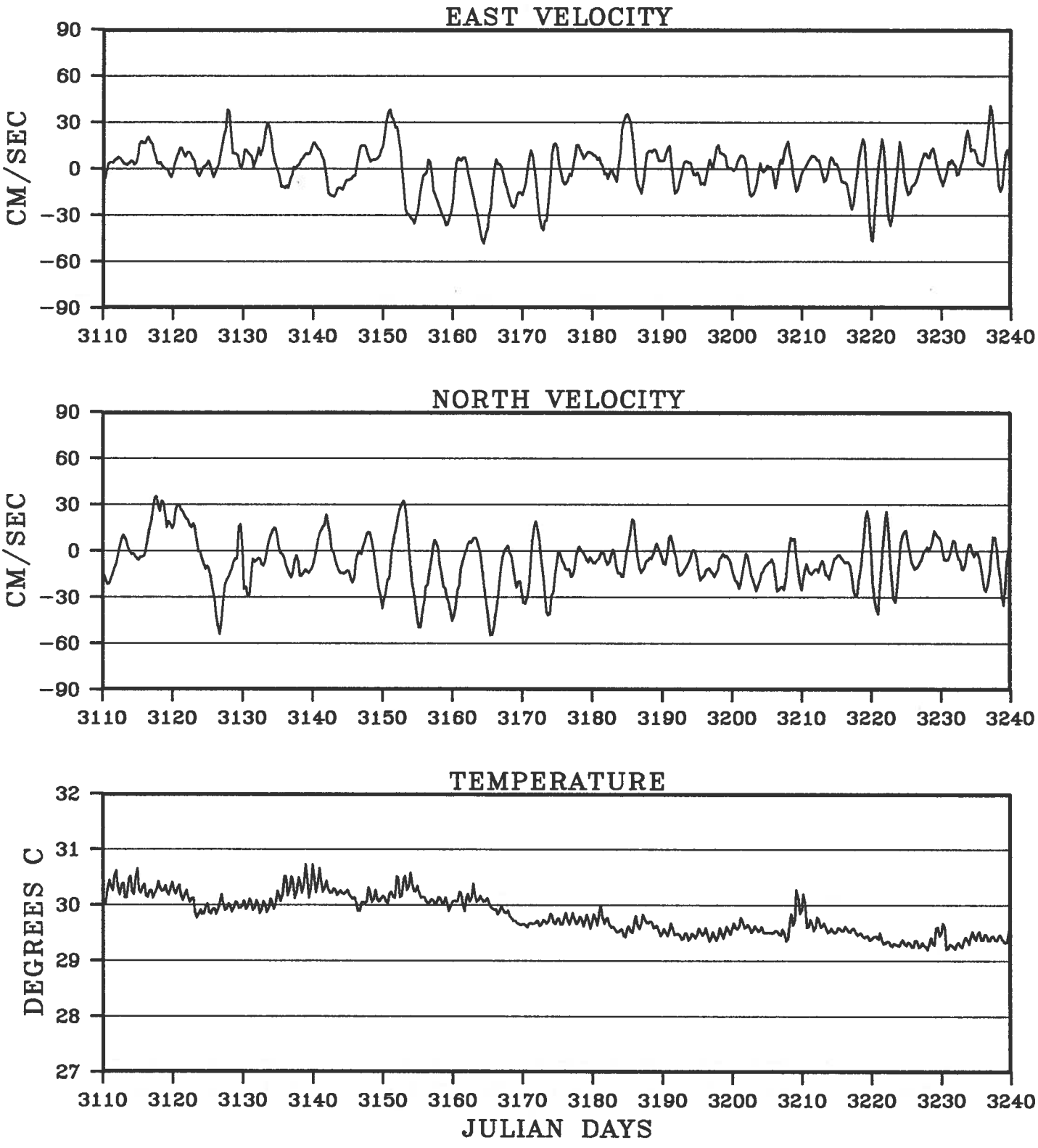
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CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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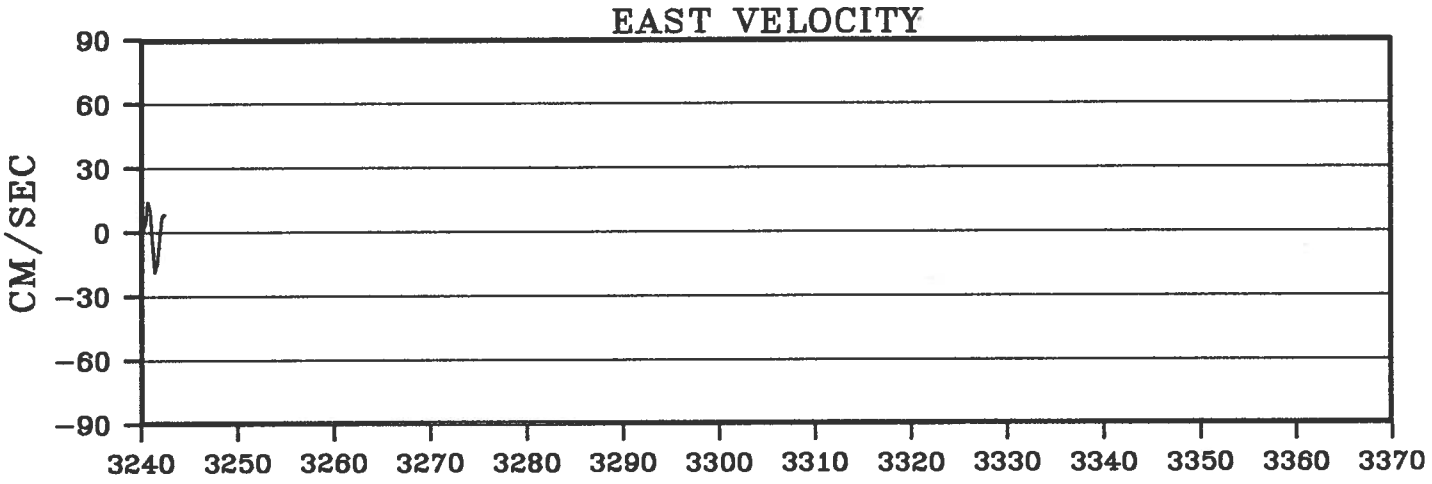
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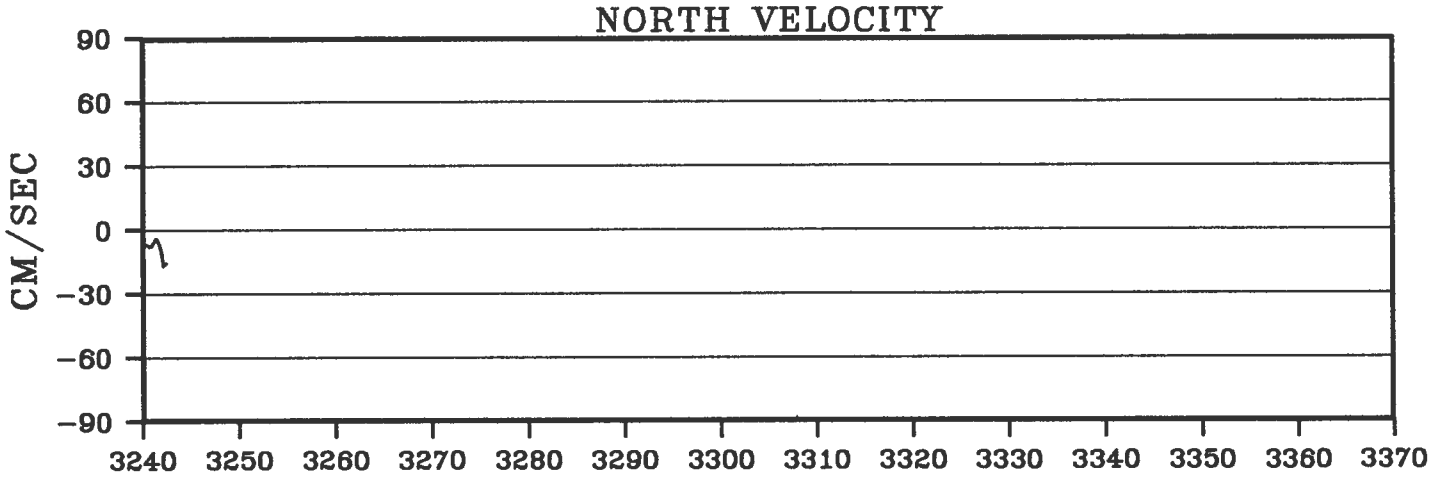
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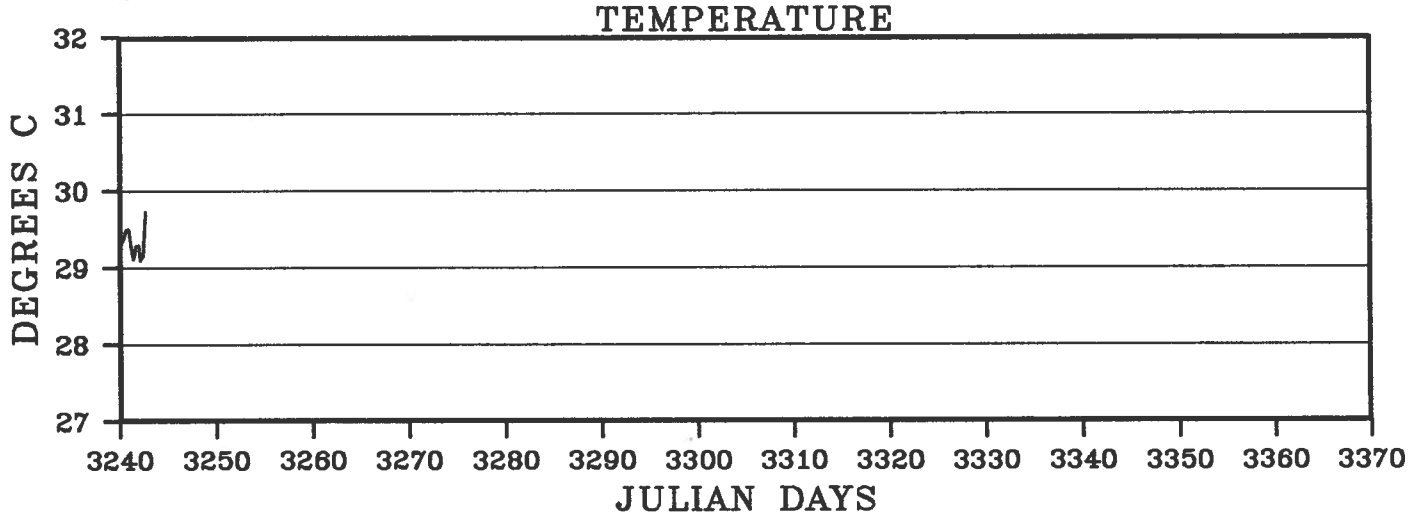
TEMPERATURE
DEGREES C
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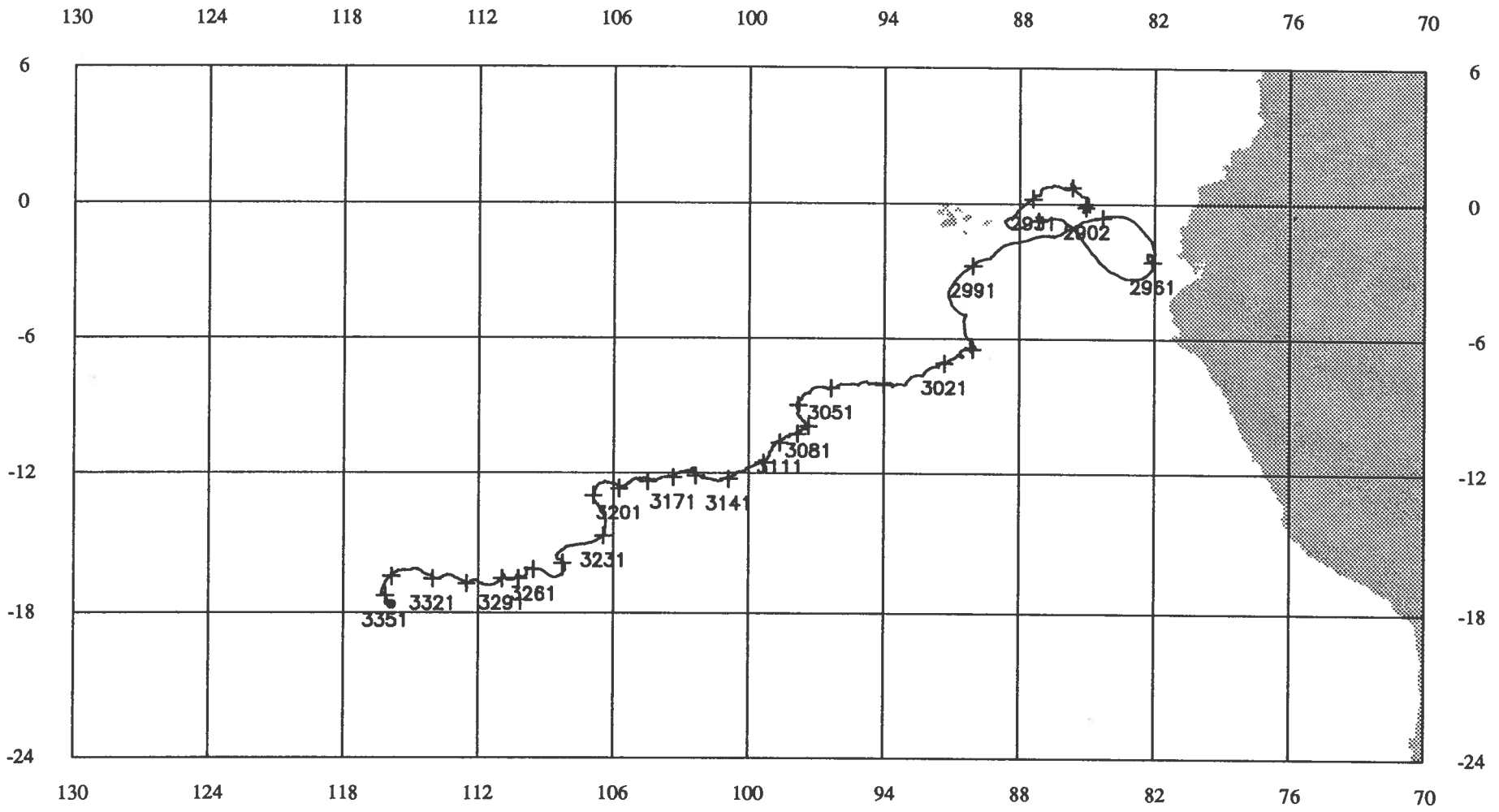
JULIAN DAYS

BUOY 4811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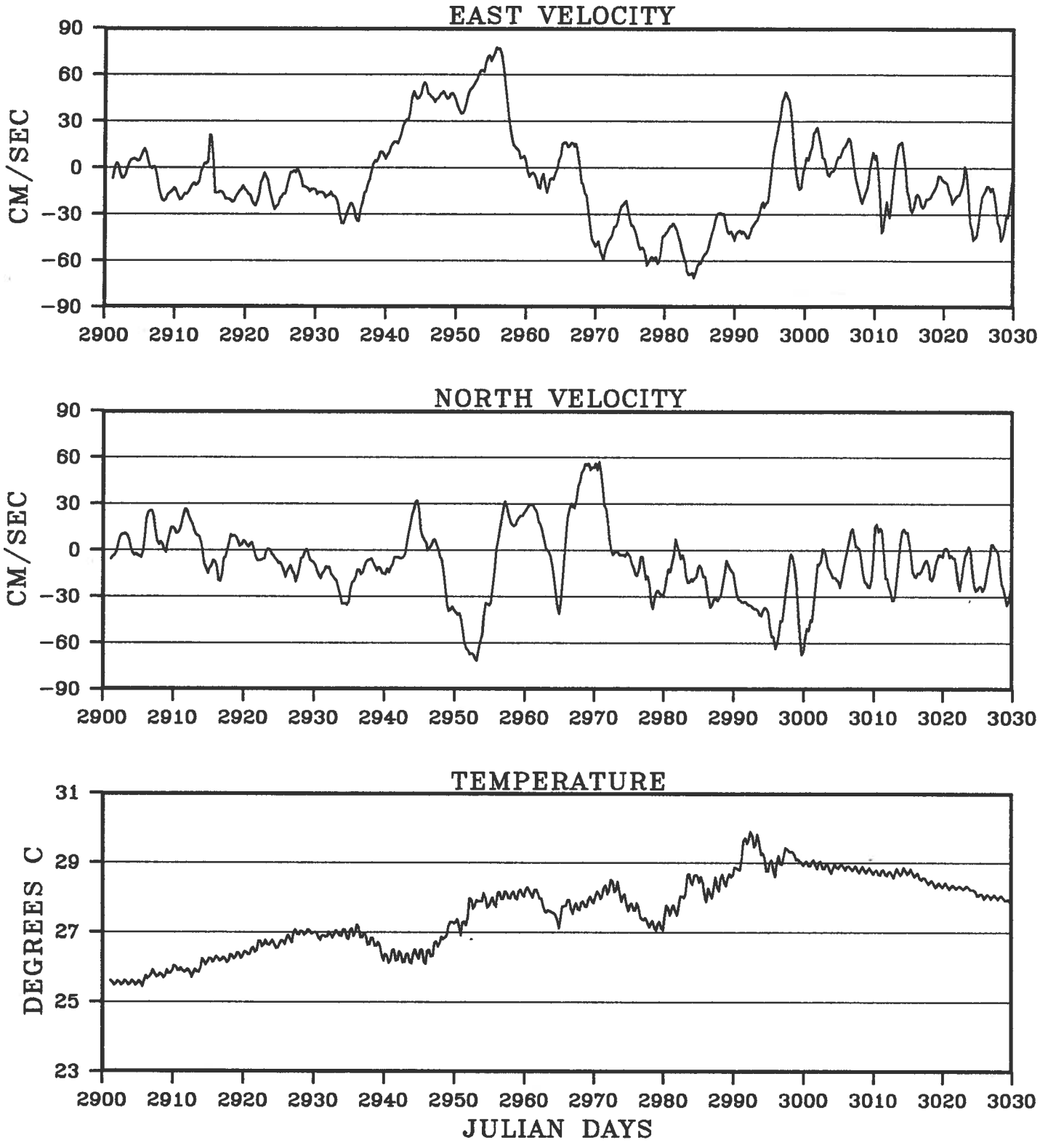
BUOY 4811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NORTH VELOCITY
CM/SEC
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TEMPERATURE
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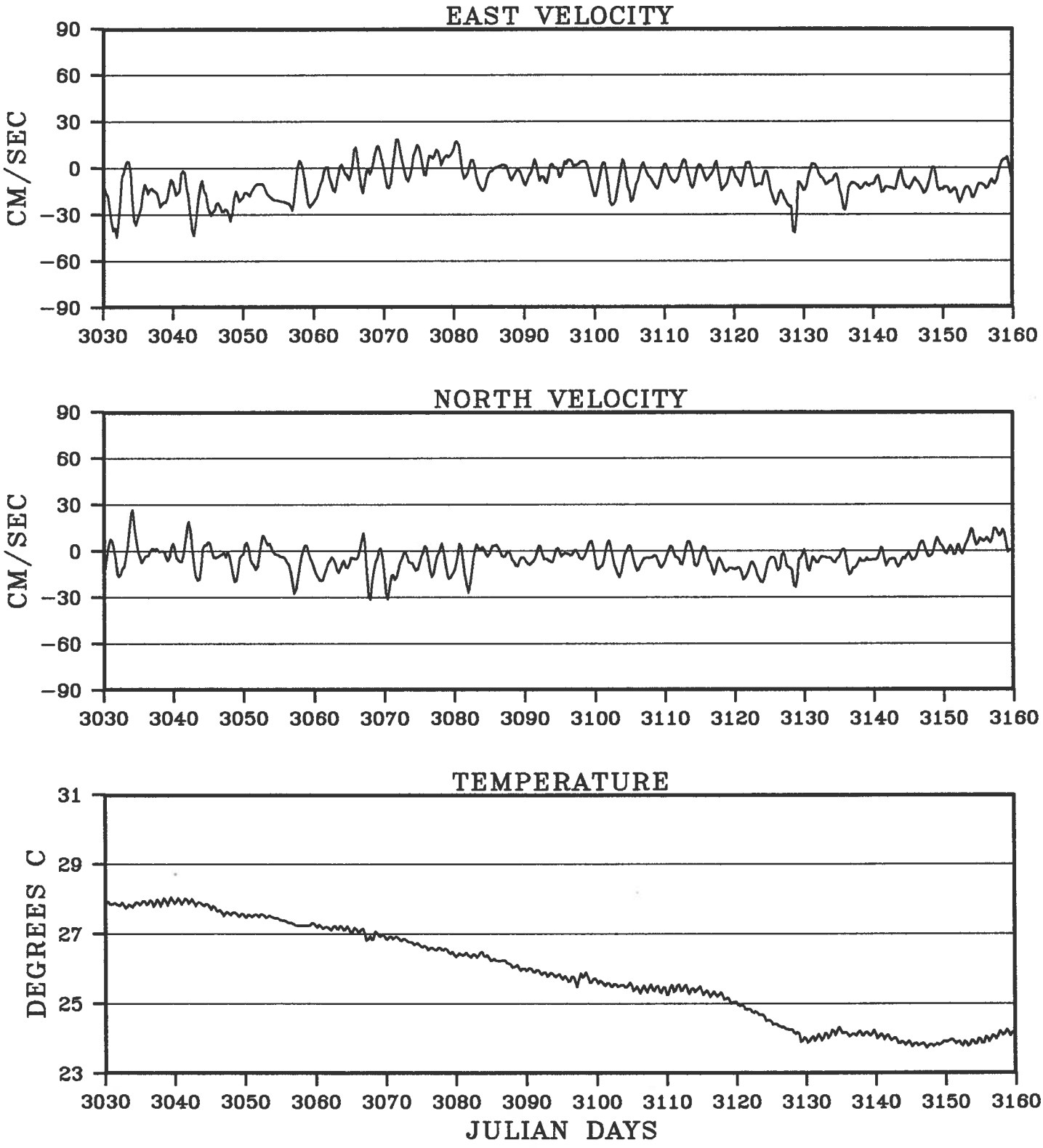
JULIAN DAYS

BUOY 4811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TEMPERATURE
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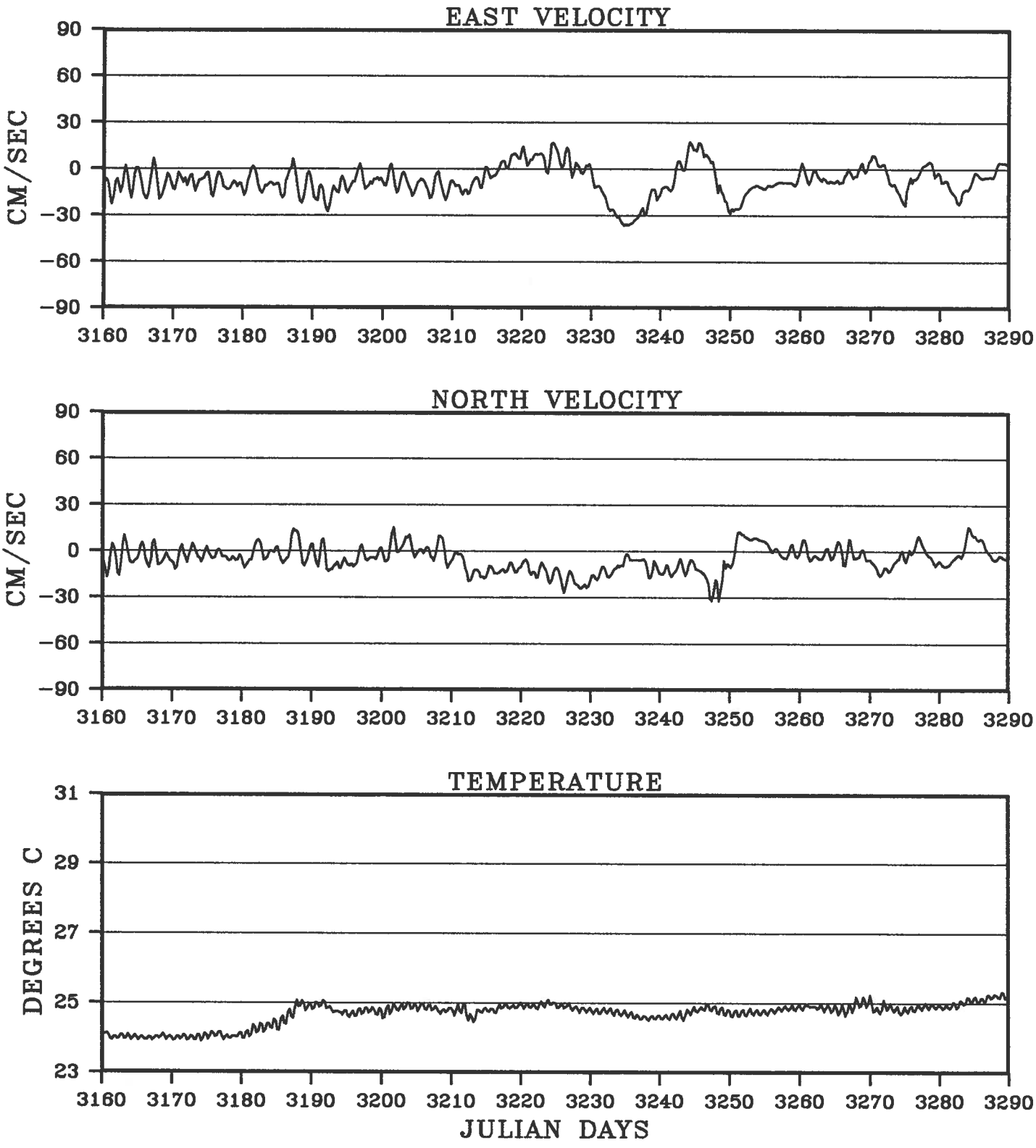
JULIAN DAYS

BUOY 4811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NORTH VELOCITY
CM/SEC
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3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290
TEMPERATURE
DEGREES C
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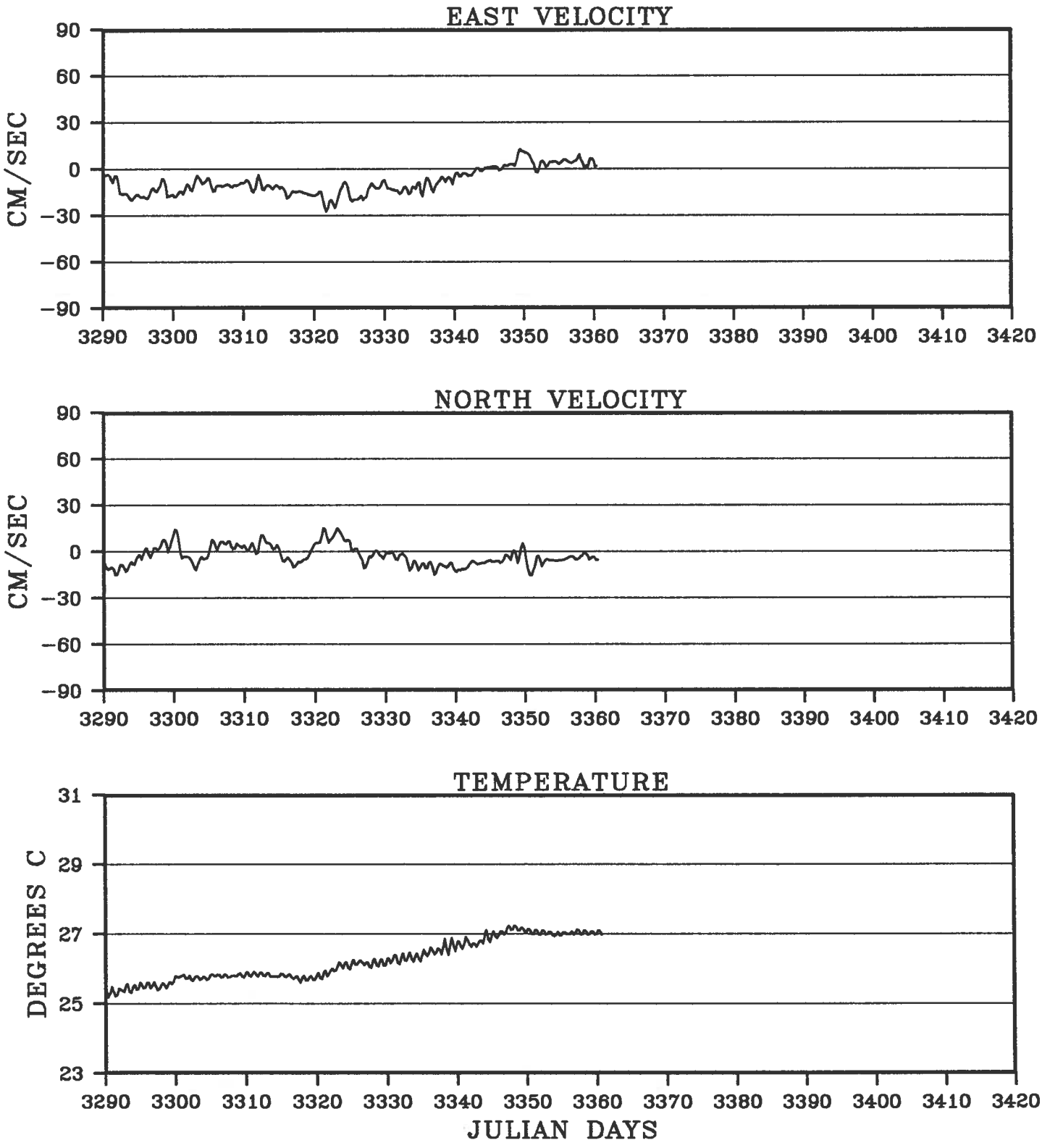
JULIAN DAYS

BUOY 4811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NORTH VELOCITY
CM/SEC
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3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420
TEMPERATURE
DEGREES C
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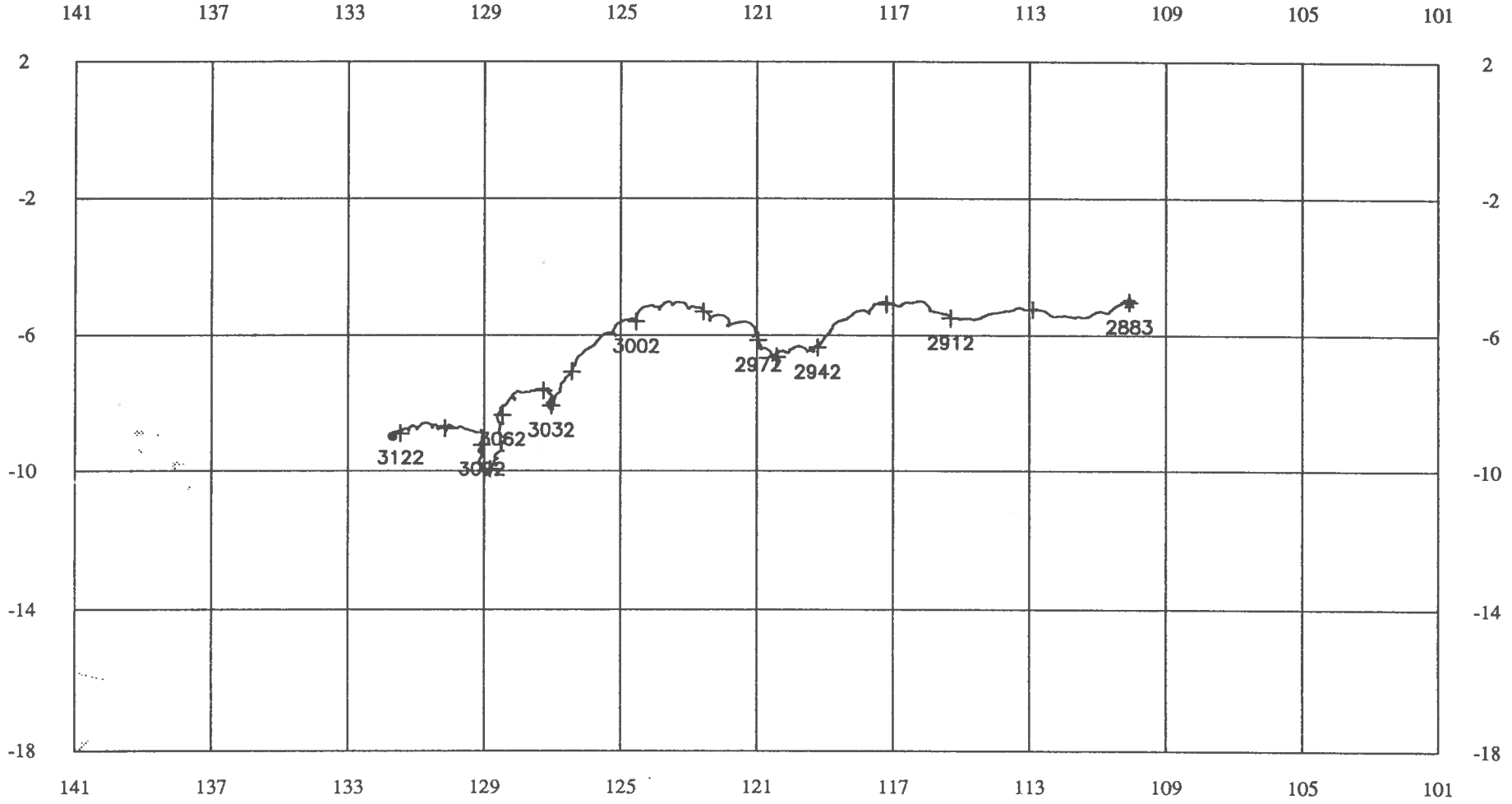
JULIAN DAYS

BUOY 4812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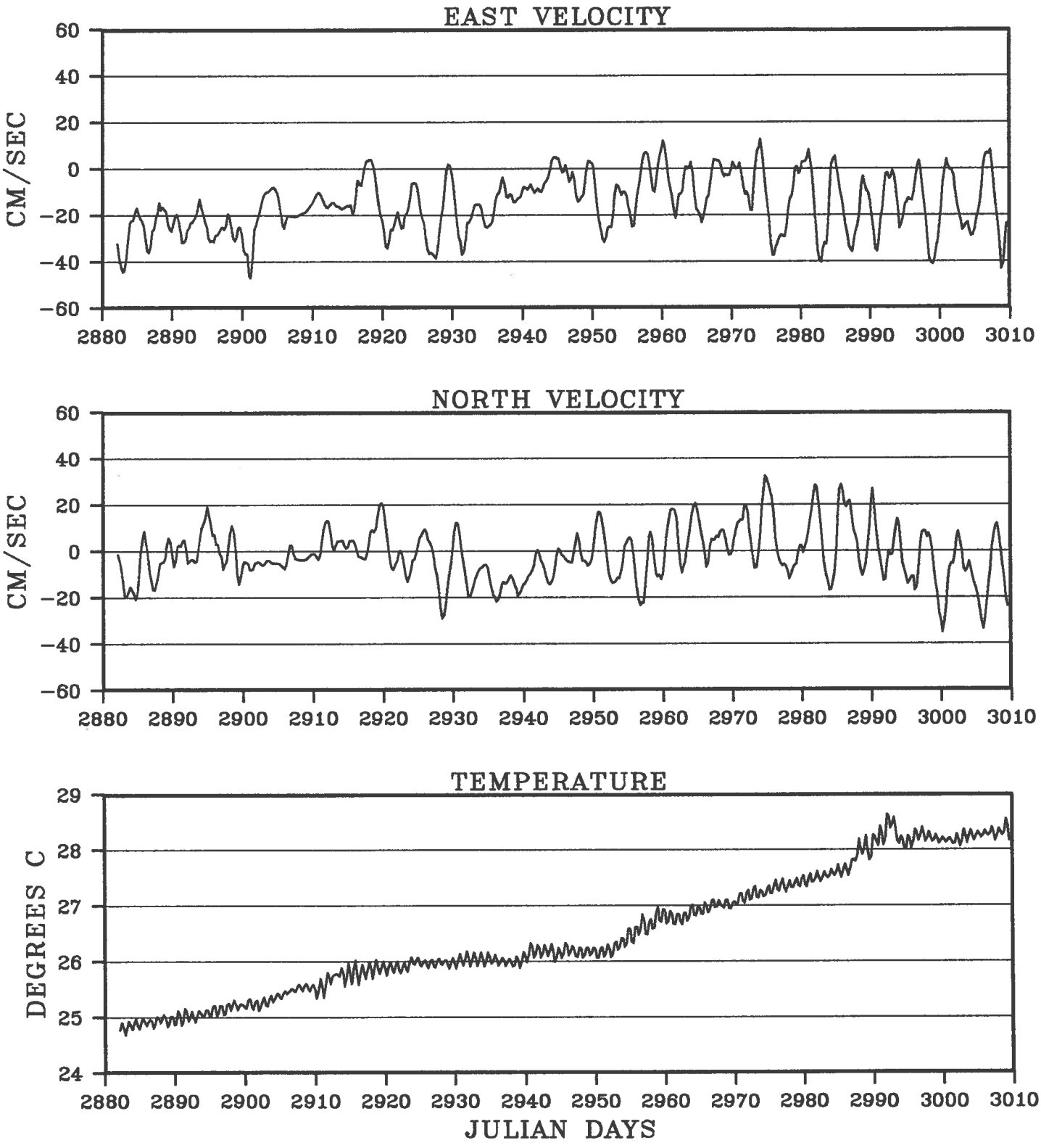
BUOY 4812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NORTH VELOCITY
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TEMPERATURE
DEGREES C
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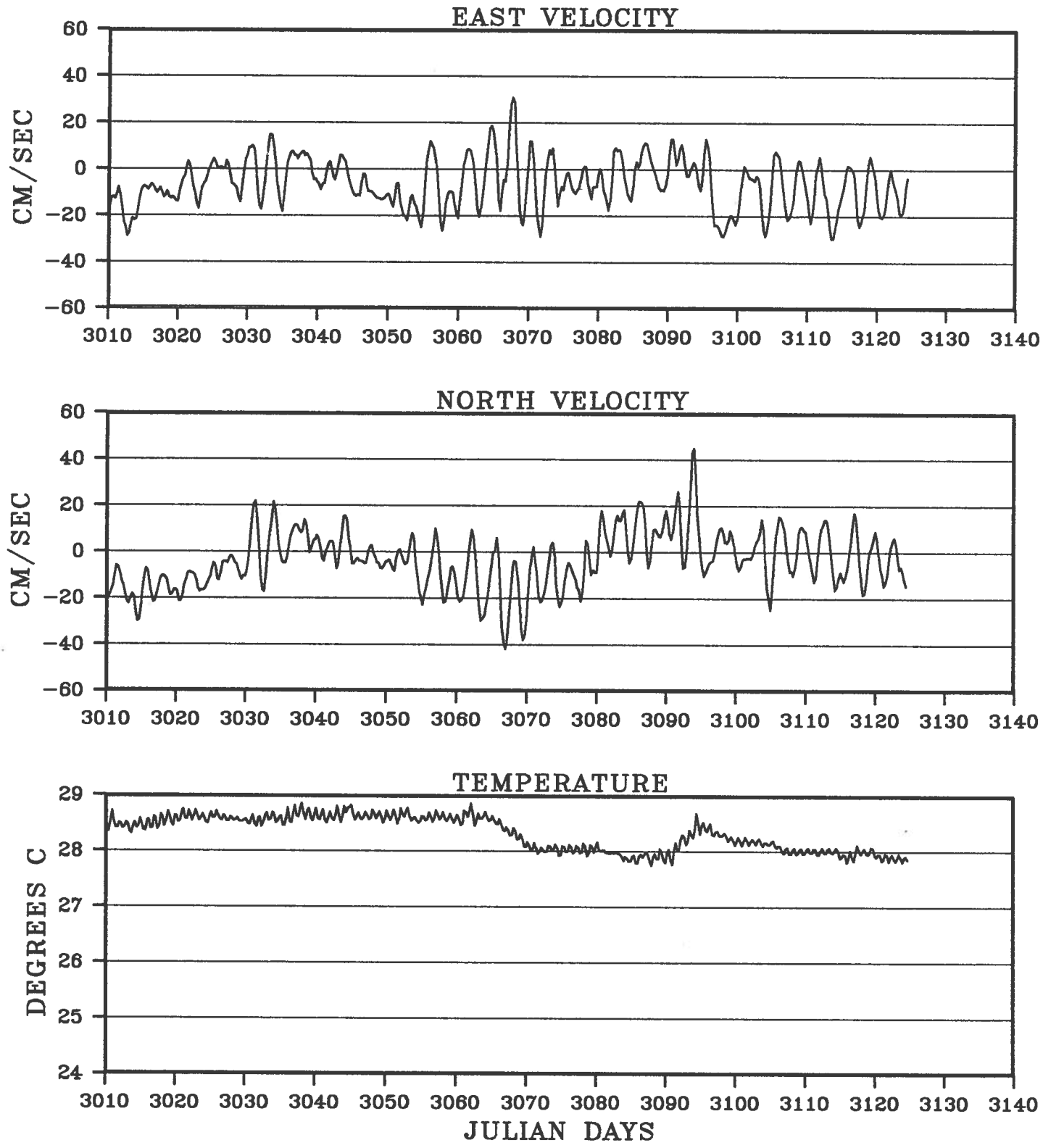
JULIAN DAYS

BUOY 4812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NORTH VELOCITY
CM/SEC
60
40
20
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-20
-40
-60
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
TEMPERATURE
DEGREES C
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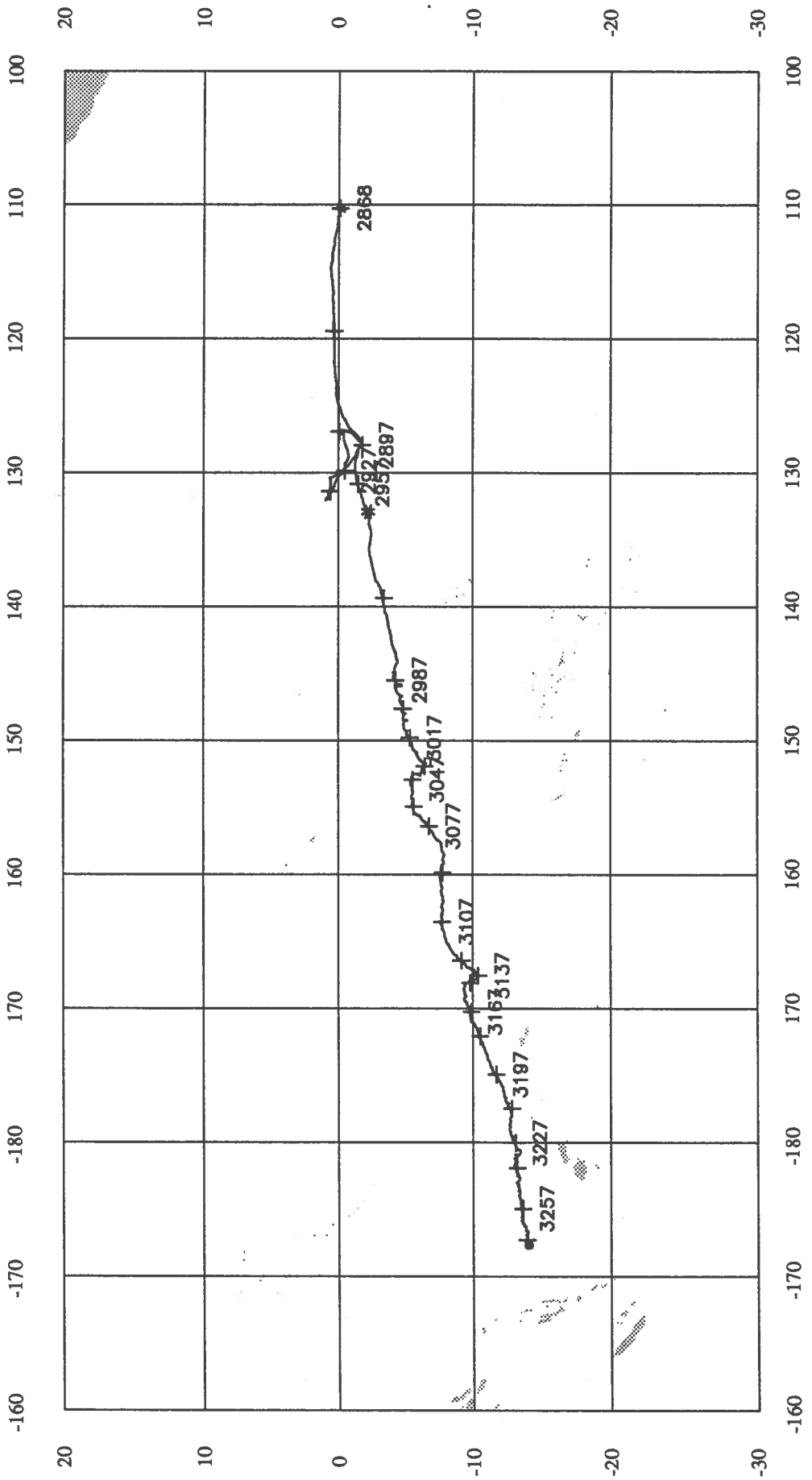
JULIAN DAYS

BUOY 4813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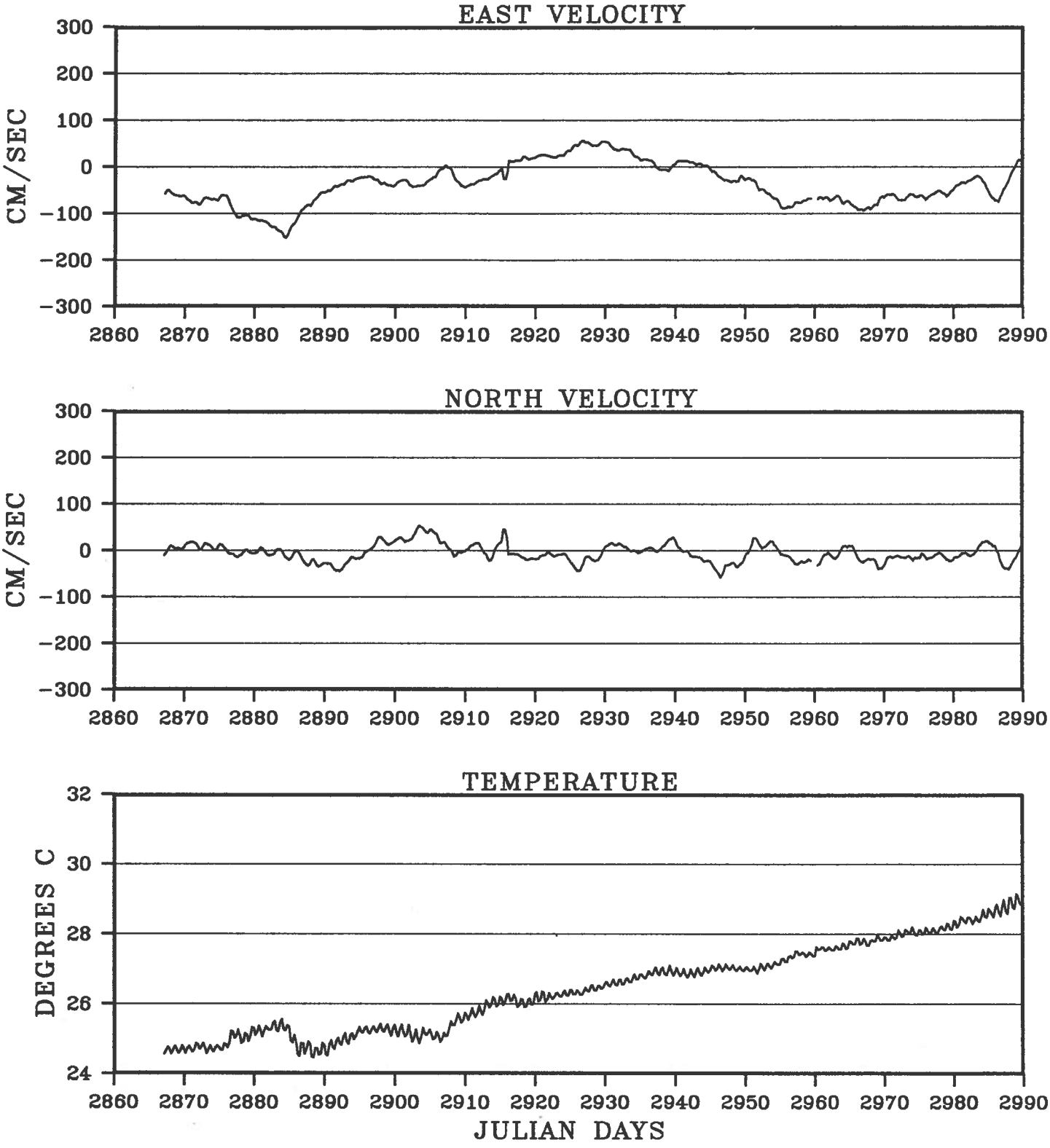
BUOY 4813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NORTH VELOCITY
CM/SEC
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200
100
0
-100
-200
-300
2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990
TEMPERATURE
DEGREES C
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24
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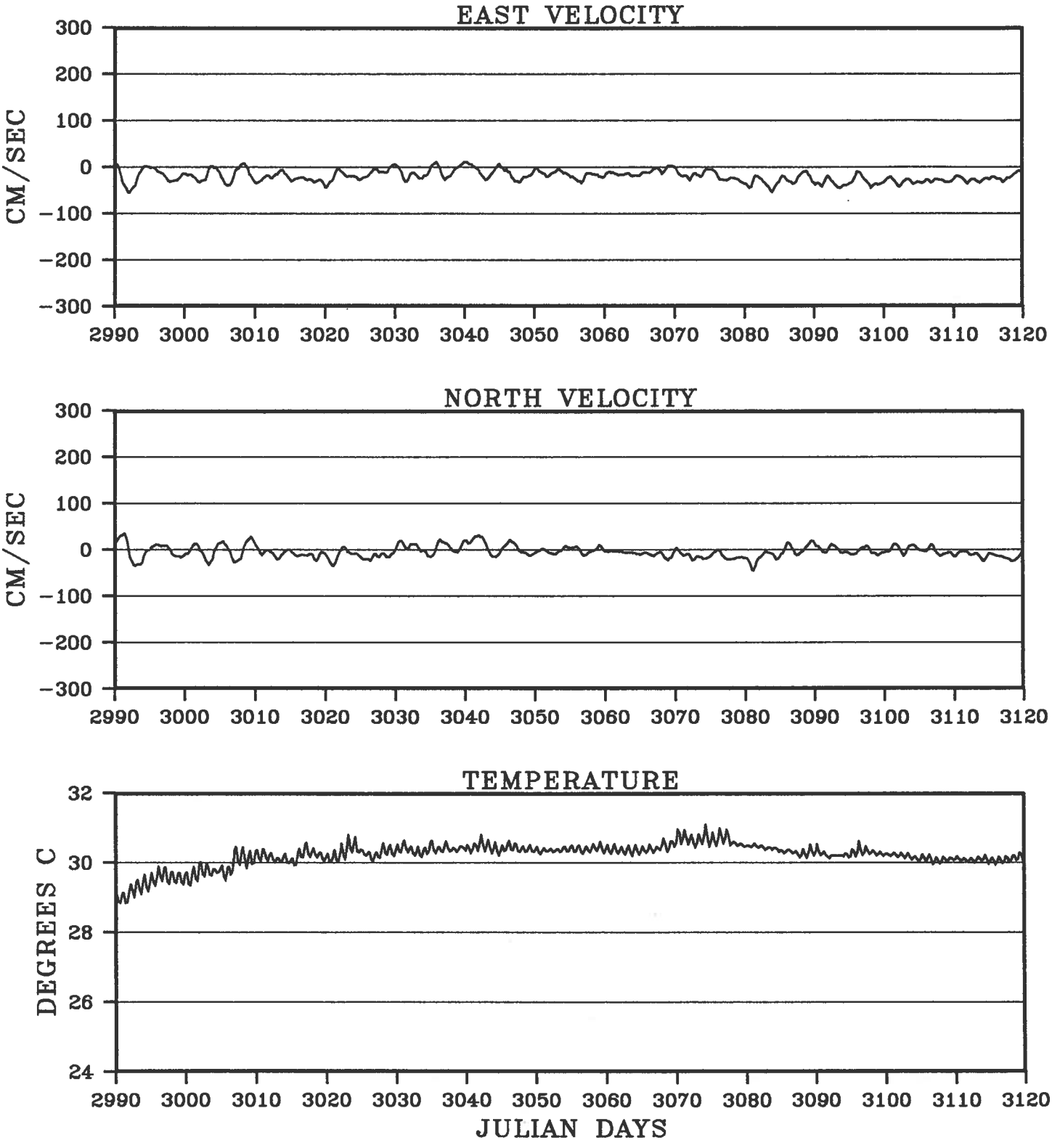
JULIAN DAYS

BUOY 4813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NORTH VELOCITY
CM/SEC
300
200
100
0
−100
−200
−300
2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120
TEMPERATURE
DEGREES C
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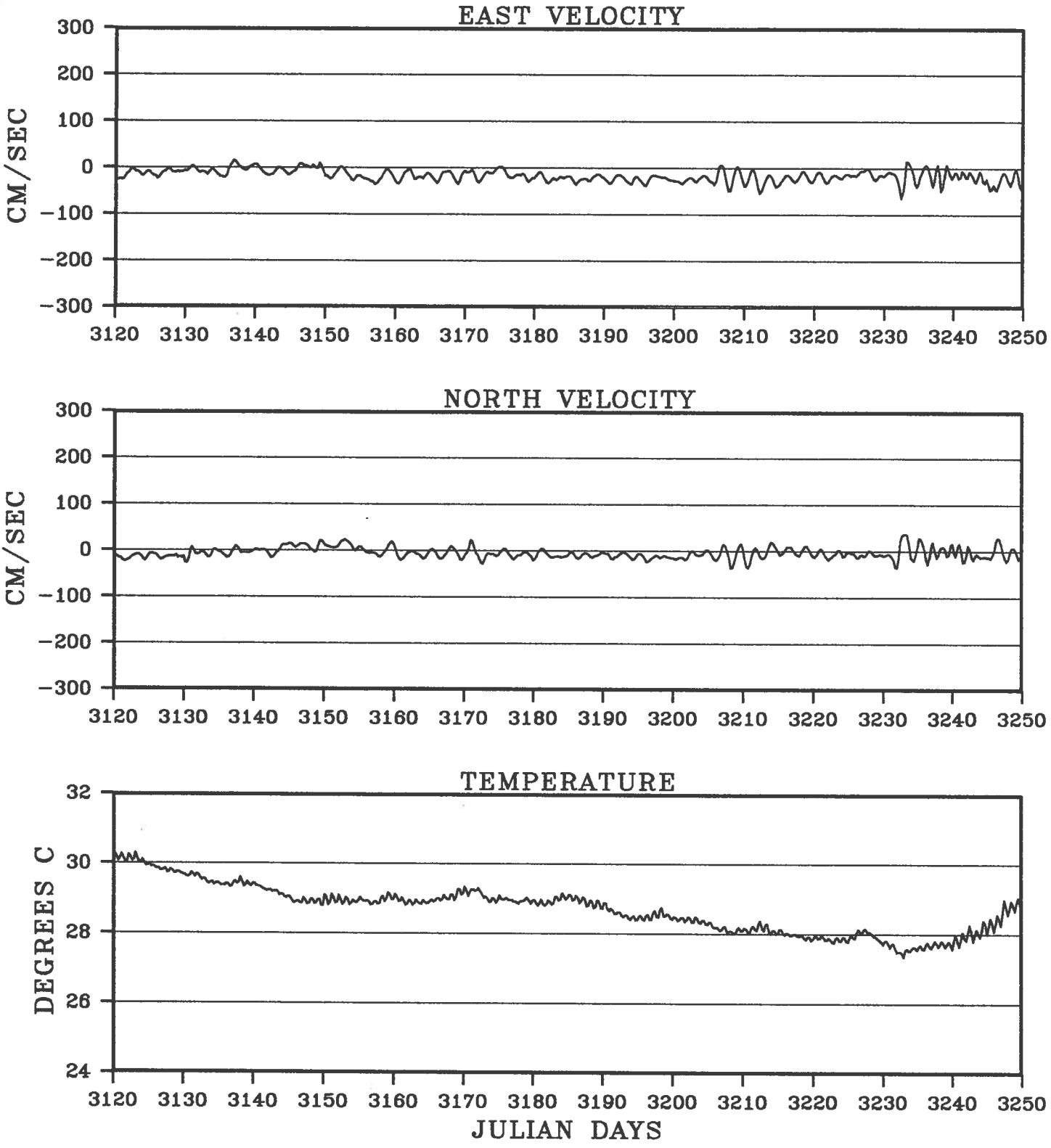
JULIAN DAYS

BUOY 4813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NORTH VELOCITY
CM/SEC
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200
100
0
-100
-200
-300
3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250
TEMPERATURE
DEGREES C
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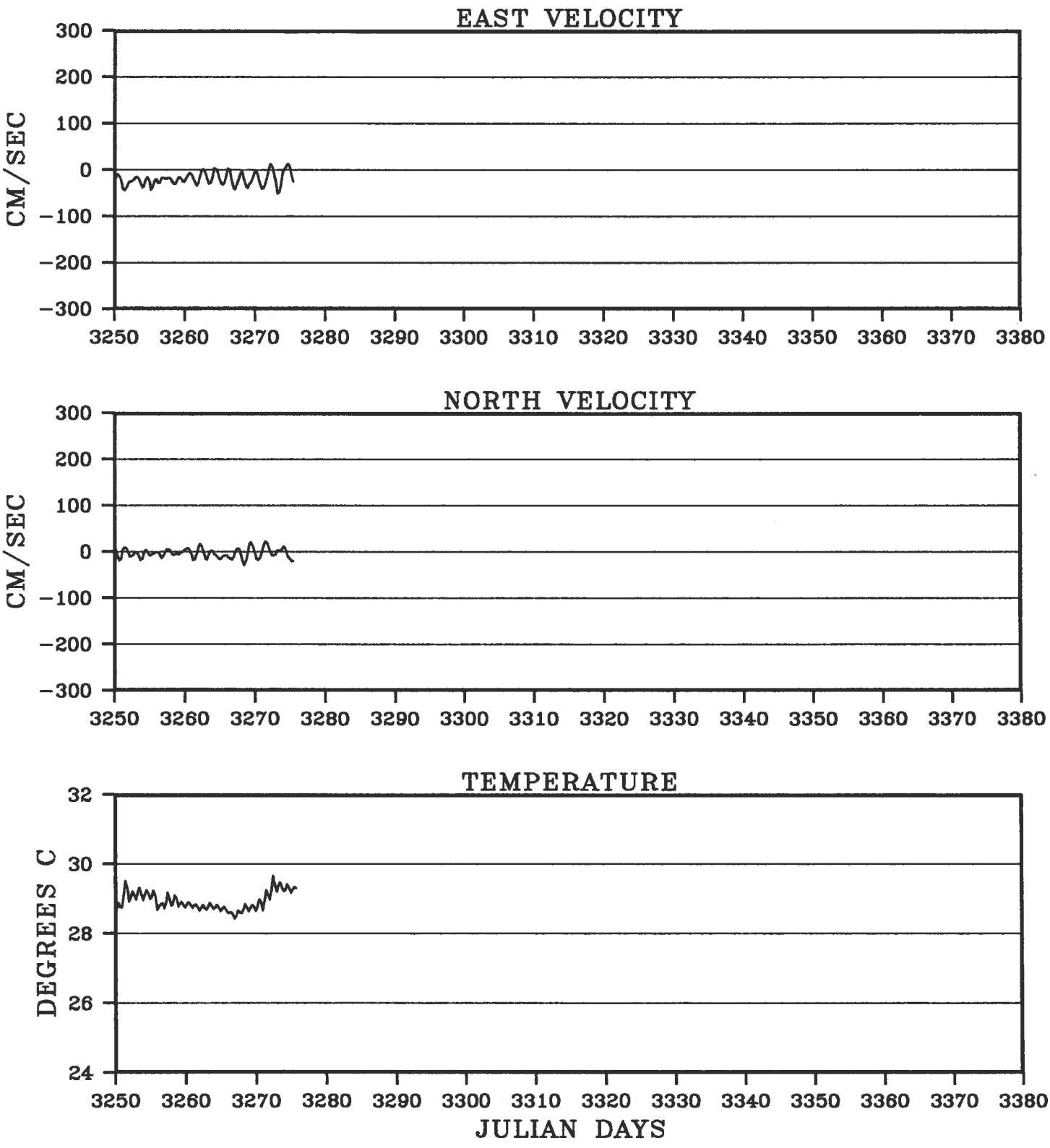
JULIAN DAYS

BUOY 4813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3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
NORTH VELOCITY
CM/SEC
300
200
100
0
−100
−200
−300
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
TEMPERATURE
DEGREES C
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30
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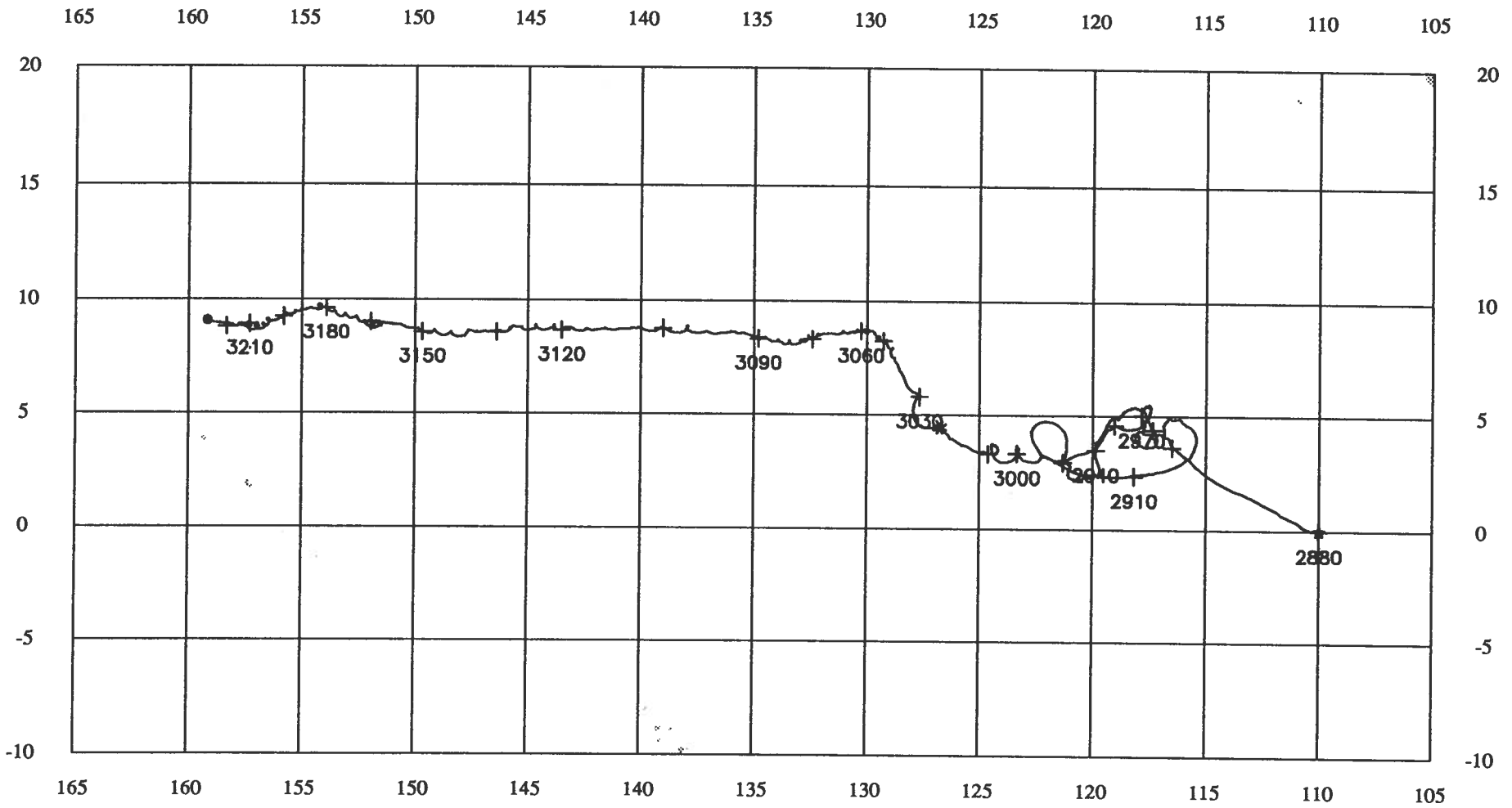
26
24
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
JULIAN DAYS

BUOY 4814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20 15 10 5 0 -5 -10
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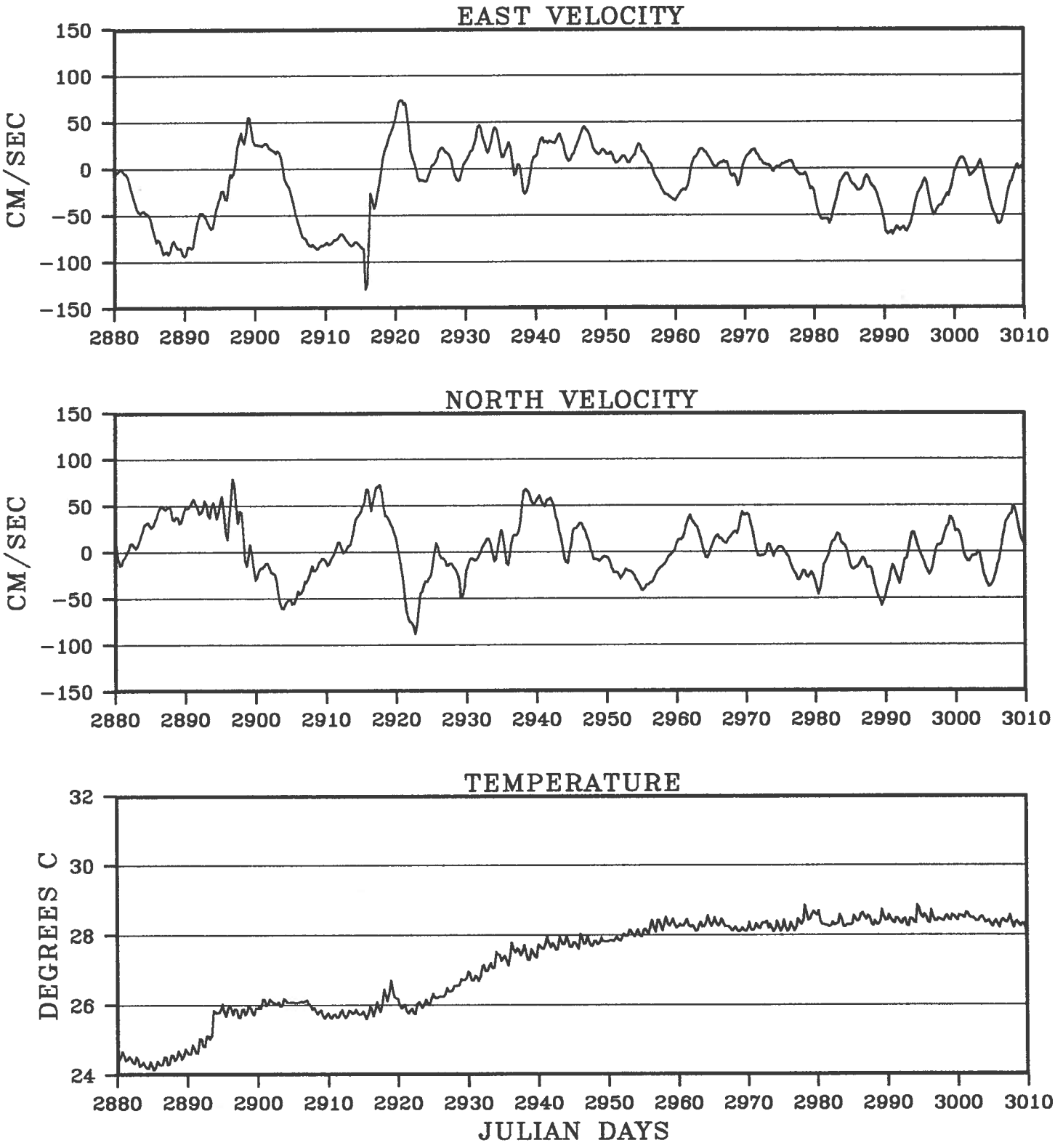
2880

BUOY 4814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CM/SEC
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2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
NORTH VELOCITY
CM/SEC
150
100
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0
−50
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−150
2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
TEMPERATURE
DEGREES C
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2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
JULIAN DAYS

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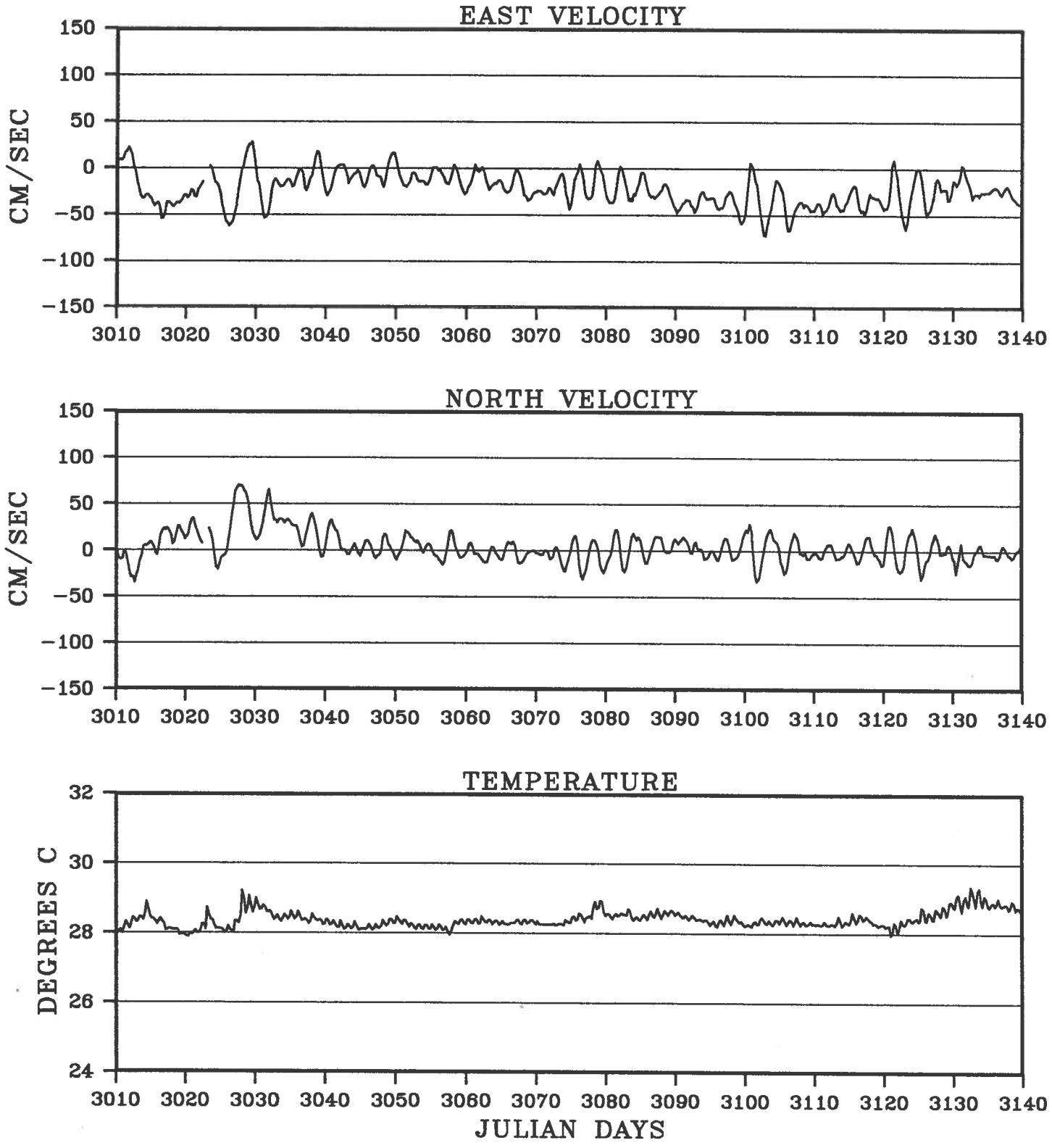
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CM/SEC
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−50
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−150
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
TEMPERATURE
DEGREES C
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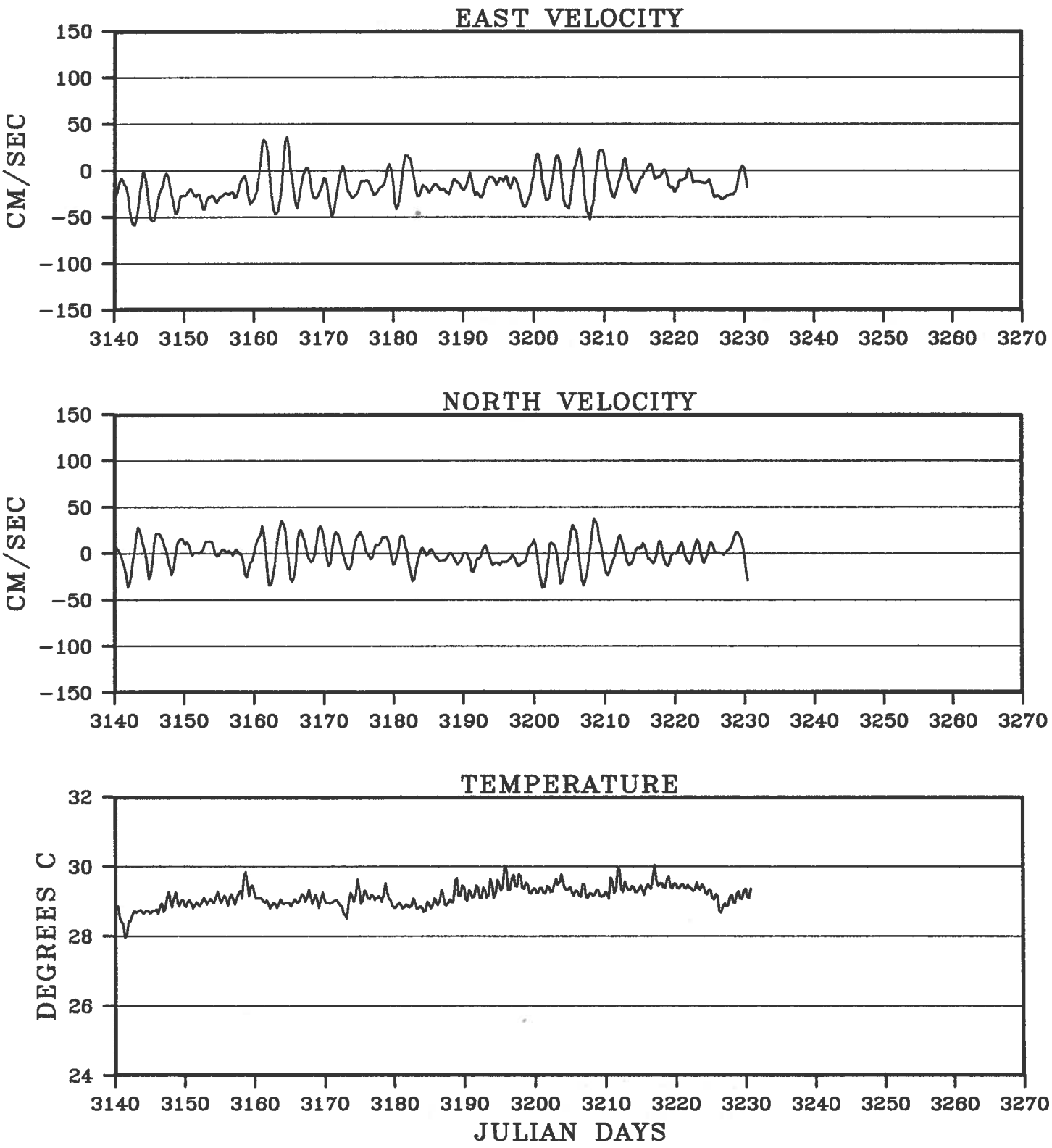
24
3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
JULIAN DAYS

BUOY 4814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−100
−150
3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
TEMPERATURE
DEGREES C
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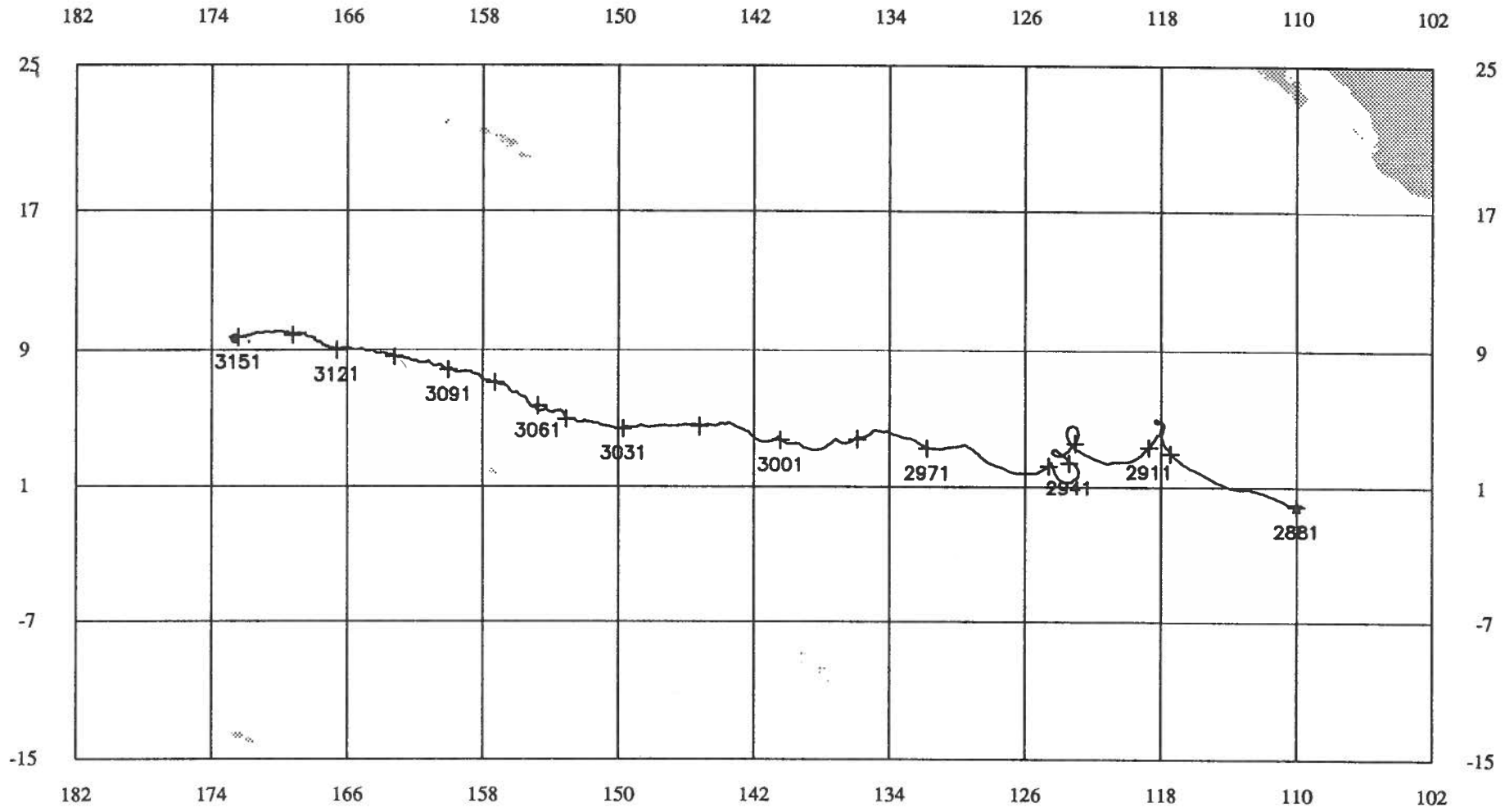
24
3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
JULIAN DAYS

BUOY 6224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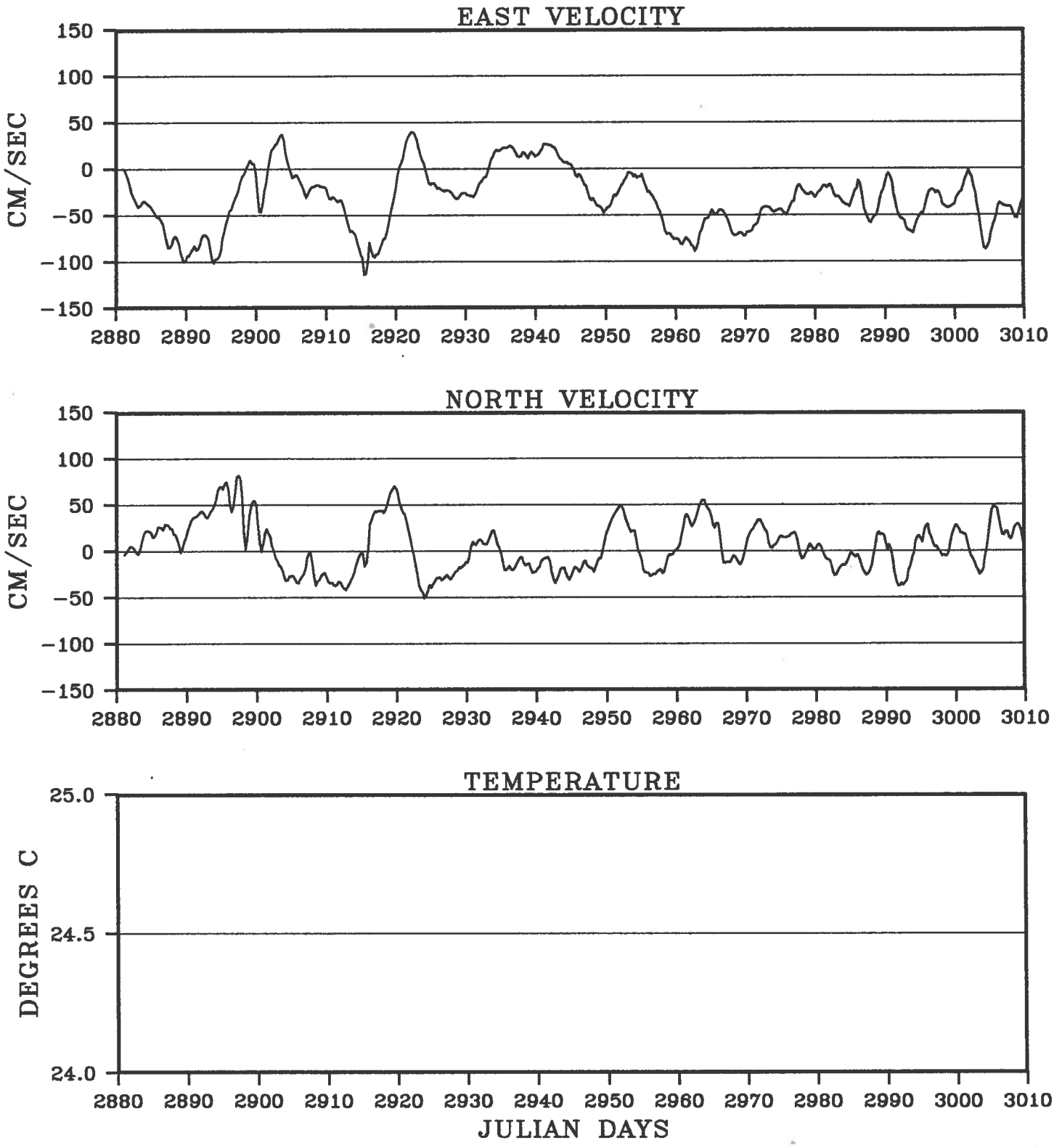
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CM/SEC
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100
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0
−50
−100
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2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010
TEMPERATURE
DEGREES C
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24.5
24.0
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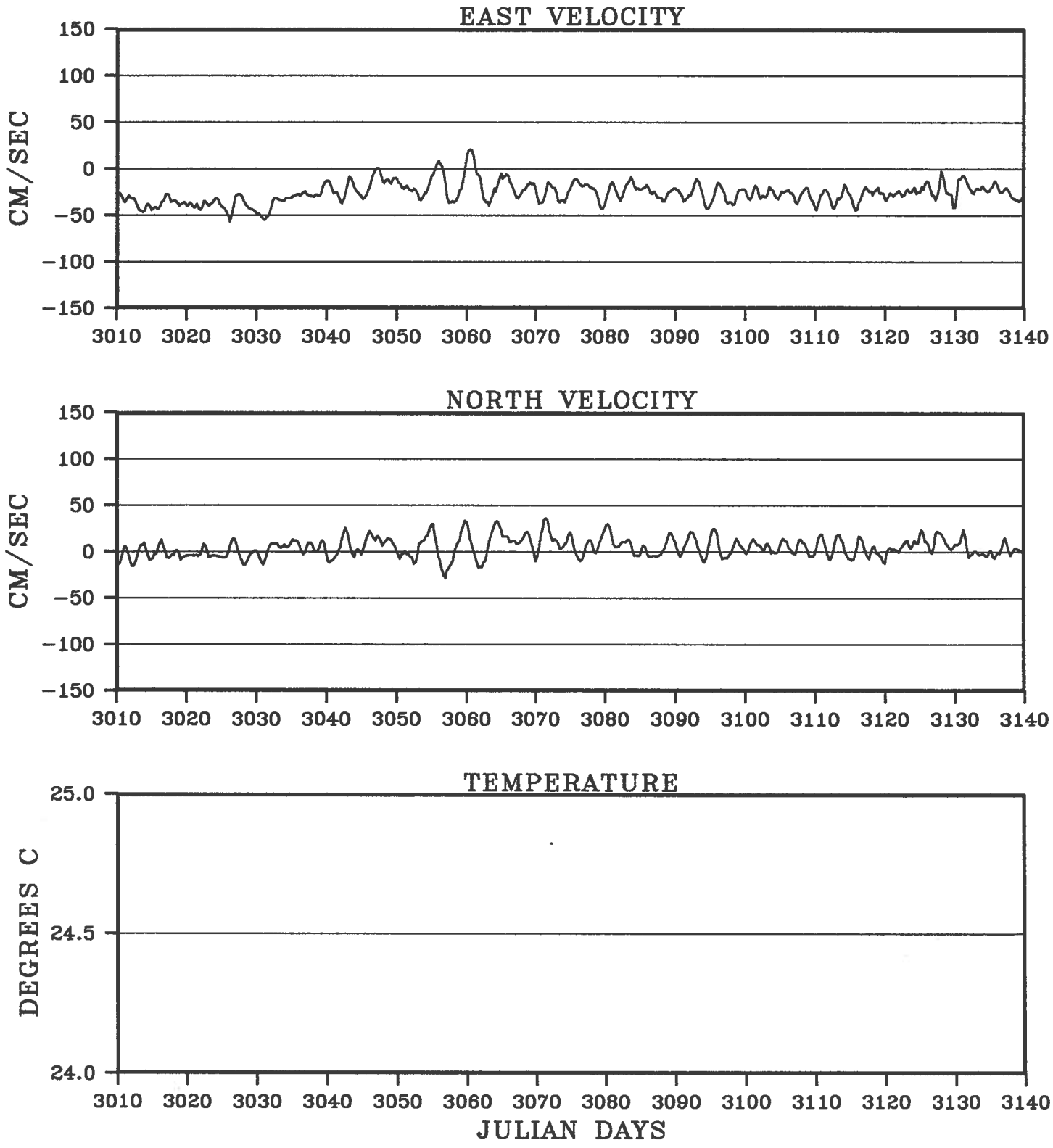
JULIAN DAYS

BUOY 6224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NORTH VELOCITY
CM/SEC
150
100
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0
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3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140
TEMPERATURE
DEGREES C
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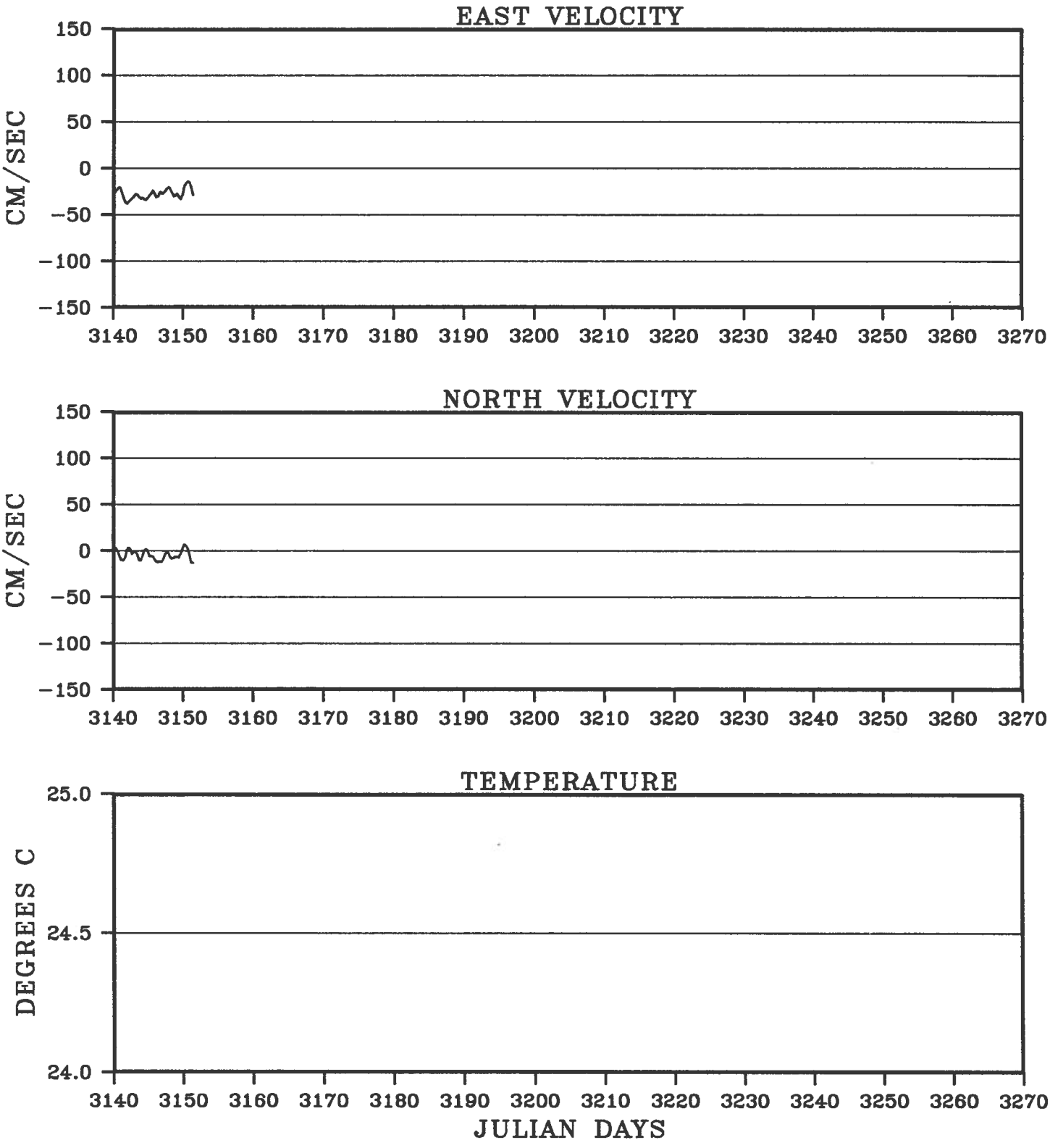
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3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270
TEMPERATURE
DEGREES C
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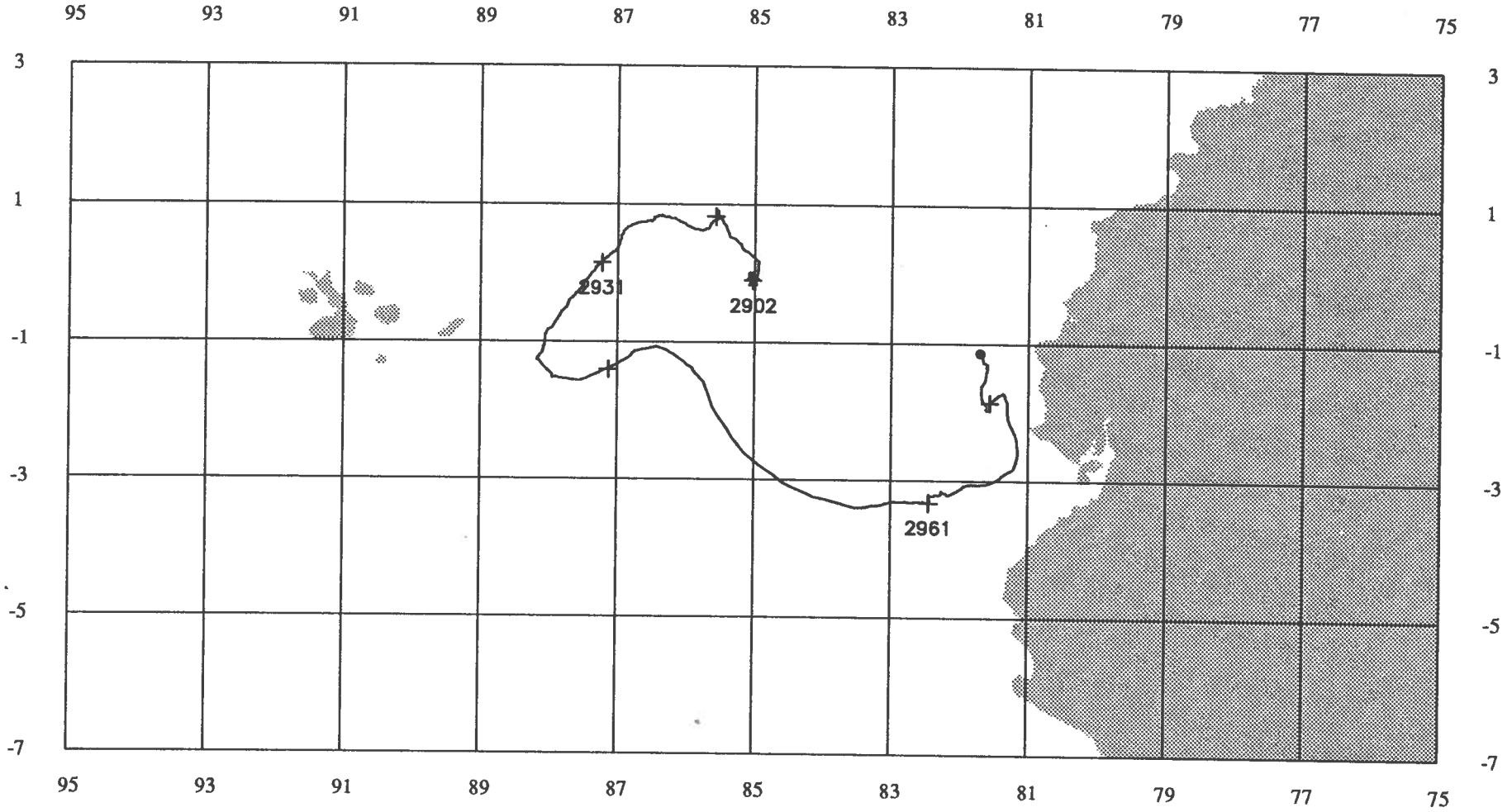
JULIAN DAYS

BUOY 6230



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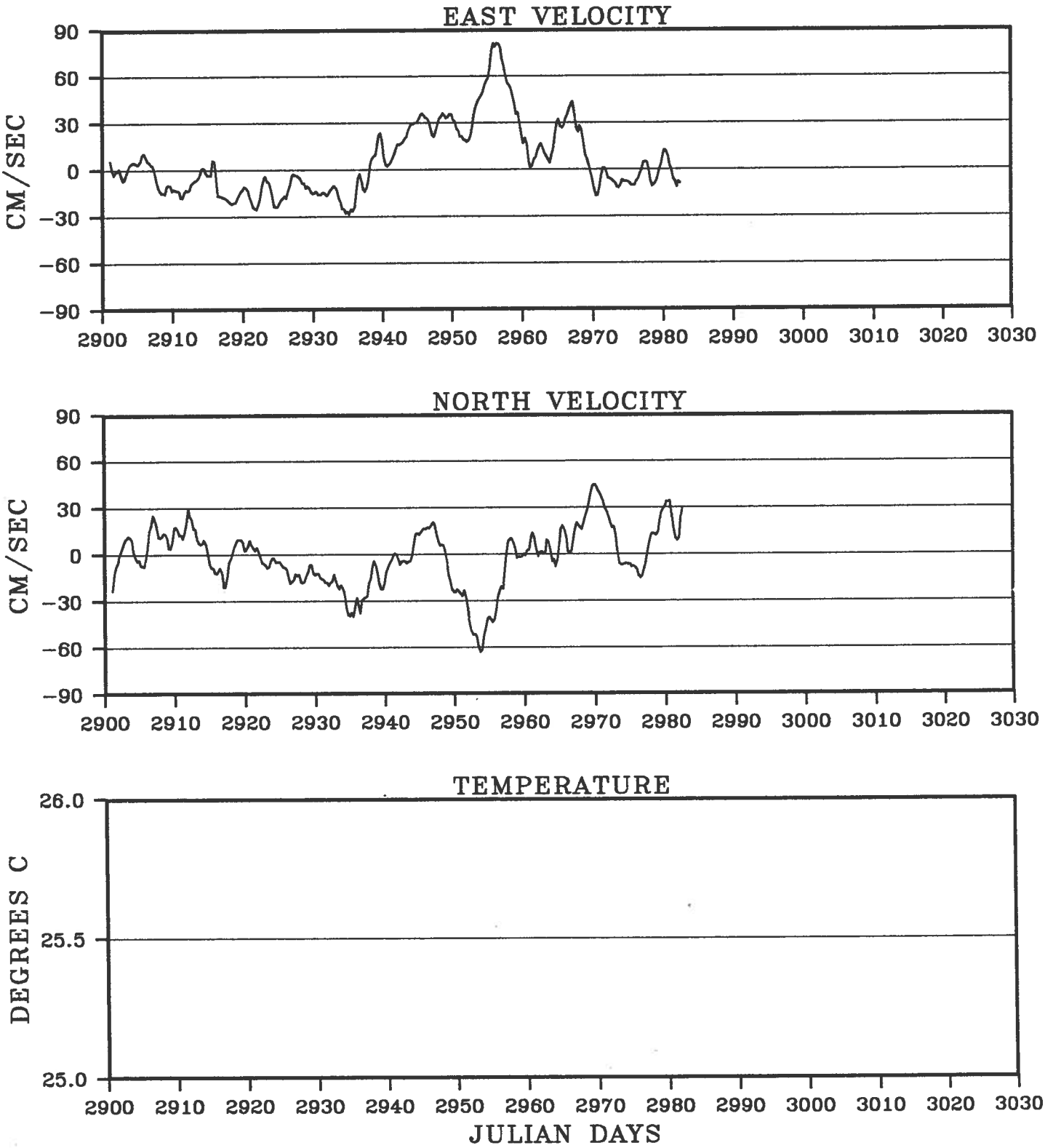

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