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NOAA Data Report ERL AOML-25

DATA FROM DRIFTING BUOYS DEPLOYED IN THE EQUATORIAL PACIFIC BETWEEN APRIL 1, 1987 AND JUNE 30, 1988

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UNITED STATES DEPARTMENT OF COMMERCE

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DATA FROM DRIFTING BUOYS DEPLOYED IN THE EQUATORIAL PACIFIC BETWEEN APRIL 1, 1987 AND JUNE 30, 1988

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INTRODUCTION

This data report covers the entire life (through August 31, 1989) of free drifting buoys released in the tropical Pacific Ocean by AOML between April 1, 1987 and June 30, 1988. Excluded are those drifters released from Chinese research vessels which were covered in a separate report (Qiyu and Pazos, 1989).

BUOY CONSTRUCTION AND DESIGN

All buoys were designed and built at NOAA/AOML (Bitterman and Hansen, 1986) except buoy 10825 which was an LCD buoy constructed by the Draper Laboratory.

AOML buoys were equipped with drogues and three different sensors: temperature, drogue, and battery voltage. All drogues were holey sock type 10 meters in length centered at 15 meters depth. Drogues were about 0.5 meter in diameter, except for buoys 6873, 6886 and 6887 that had drogue diameters of 1 meter. Data was transmitted every day by all but two buoys: 6873 and 6883 had a duty cycle timer that transmitted every third day.

DATA DISPLAY

Table 1 provides details of buoy life histories. Table 2 illustrates conversion from Julian days to day, month, and year. Deployment times and length of buoy life spans are depicted by bar charts in Figures 1-3.

Figure 4 is a "spaghetti" diagram displaying all buoy tracks. The beginning of each track is marked with a star and the end with a circle.

Buoy displacements by month are located on pages 14 to 23. Individual trajectory and time series plots are found on pages 24 to 174. Beginning and ending of tracks are marked as on the spaghetti diagram, except that the circle is closed if the buoy died, and is open if the buoy was still alive on the closing date of this report. Asterisks indicate where a buoy lost its drogue (if it did so before the buoy died), and cross marks are placed at 15-day intervals. Temperature time series are shorter than velocity plots if the temperature sensor failed while the buoy was still alive.

BIBLIOGRAPHY

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

Qiyu, L., and M. C. Pazos (1989). Drifting buoy data from the western tropical Pacific for the period February 1, 1986 through February 28, 1989. NOAA DATA Report ERL AOML-14.

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	TYPE DEATH	NO. DAYS LIFE	DROGUED
2986	3	7.00	88	-1.37	85.11	9	14.00	88	8	26.00	88	1	191	172
2987	11	23.00	87	-1.77	85.08	10	26.72	88	10	26.72	88	3	339	339
2988	6	30.00	87	-2.02	84.01	4	15.00	88	4	15.00	88	3	290	290
3133	4	23.87	87	3.60	94.98	4	7.00	88	9	4.00	87	3	349	133
3142	5	6.00	87	0.00	114.98	10	26.31	87	7	7.00	87	3	173	62
4816	4	29.17	87	3.90	109.98	5	23.00	88	7	27.00	87	3	390	89
4817	5	2.00	87	-3.97	110.02	3	28.00	88	3	28.00	88	3	331	331
4818	5	9.96	87	0.00	129.97	6	28.00	87	6	20.00	87	3	49	41
4819	5	12.00	87	0.00	135.08	4	26.00	88	6	21.00	87	3	350	40
4820	5	13.69	87	3.00	140.08	5	31.00	88	5	31.00	88	1	383	383
4821	7	20.84	87	-15.02	83.06	12	19.60	88	12	19.60	88	3	518	518
4822	11	22.00	87	-12.50	78.14	1	27.80	89	1	27.80	89	3	433	433
4823	7	22.00	87	-13.16	79.51	1	20.00	88	1	20.00	88	1	182	182
4824	10	21.00	87	0.00	117.00	12	12.00	87	12	12.00	87	3	52	52
4825	10	31.10	87	5.03	109.95	3	2.00	88	3	2.00	88	3	123	123
4827	5	17.00	88	-12.70	78.70	12	26.80	88	12	26.80	88	3	224	224
6853	10	10.70	87	7.00	144.40	10	16.00	87	10	16.00	87	3	5	5
6854	10	17.10	87	0.00	132.00	8	12.00	88	12	1.00	87	1	300	45
6855	10	14.00	87	0.00	139.90	9	6.16	88	11	8.00	87	3	328	25
6856	10	17.90	87	10.18	89.84	8	21.22	88	11	27.00	87	3	308	40
6857	11	28.90	87	-0.12	124.64	8	31.94	89	4	13.00	88	0	642	136
6858	11	13.00	87	11.02	99.92	1	24.35	89	10	2.00	88	3	438	324
6859	10	28.80	87	-5.00	86.10	4	6.00	88	4	6.00	88	3	160	160
6860	10	17.00	87	0.10	97.50	2	6.00	88	2	6.00	88	2	112	112
6861	10	24.30	87	11.00	95.00	10	26.00	87	10	26.00	87	3	2	2
6862	11	24.00	87	5.17	121.54	1	5.03	89	1	28.00	88	3	408	65
6864	10	24.40	87	0.00	106.30	11	3.60	88	1	13.00	88	3	376	81
6865	10	25.40	87	-5.00	108.40	8	31.84	89	1	23.00	88	0	676	90
6867	11	9.00	87	6.94	114.93	10	8.90	88	9	8.00	88	2	335	304
6868	11	14.90	87	5.99	94.70	6	12.96	88	5	29.00	88	3	211	196
6873	5	30.00	88	2.30	140.10	8	29.80	89	8	16.00	88	0	457	78
6883	5	21.60	88	0.00	144.90	8	29.74	89	8	29.74	89	0	465	465
6884	5	20.60	88	0.00	149.90	8	31.45	89	11	17.00	88	0	468	180
6885	5	18.20	88	0.00	160.00	8	31.84	89	7	11.00	88	0	471	54
6886	5	24.00	88	-0.05	140.00	11	10.31	88	11	10.31	88	3	170	170
6887	5	16.00	88	0.00	169.50	7	28.12	89	7	28.12	89	1	438	438
6889	6	27.00	88	0.00	120.00	8	31.77	89	8	31.77	89	0	431	431
6894	6	25.00	88	0.00	130.00	8	31.84	89	10	3.00	88	0	433	100
10825	6	3.00	88	2.50	141.60	7	22.00	88	7	22.00	88	3	49	49

Type of Death:

1 = Buoy ran aground
2 = Buoy was picked up by a ship
3 = Buoy quit transmitting
0 = Buoy still alive

Table 2. Julian Day Conversion

3013	1 APR 87		3069	27 MAY 87		3125	22 JUL 87	
3014	2 APR 87		3070	28 MAY 87		3126	23 JUL 87	
3015	3 APR 87		3071	29 MAY 87		3127	24 JUL 87	
3016	4 APR 87		3072	30 MAY 87		3128	25 JUL 87	
3017	5 APR 87		3073	31 MAY 87		3129	26 JUL 87	
3018	6 APR 87		3074	1 JUN 87		3130	27 JUL 87	
3019	7 APR 87		3075	2 JUN 87		3131	28 JUL 87	
3020	8 APR 87		3076	3 JUN 87		3132	29 JUL 87	
3021	9 APR 87		3077	4 JUN 87		3133	30 JUL 87	
3022	10 APR 87		3078	5 JUN 87		3134	31 JUL 87	
3023	11 APR 87		3079	6 JUN 87		3135	1 AUG 87	
3024	12 APR 87		3080	7 JUN 87		3136	2 AUG 87	
3025	13 APR 87		3081	8 JUN 87		3137	3 AUG 87	
3026	14 APR 87		3082	9 JUN 87		3138	4 AUG 87	
3027	15 APR 87		3083	10 JUN 87		3139	5 AUG 87	
3028	16 APR 87		3084	11 JUN 87		3140	6 AUG 87	
3029	17 APR 87		3085	12 JUN 87		3141	7 AUG 87	
3030	18 APR 87		3086	13 JUN 87		3142	8 AUG 87	
3031	19 APR 87		3087	14 JUN 87		3143	9 AUG 87	
3032	20 APR 87		3088	15 JUN 87		3144	10 AUG 87	
3033	21 APR 87		3089	16 JUN 87		3145	11 AUG 87	
3034	22 APR 87		3090	17 JUN 87		3146	12 AUG 87	
3035	23 APR 87		3091	18 JUN 87		3147	13 AUG 87	
3036	24 APR 87		3092	19 JUN 87		3148	14 AUG 87	
3037	25 APR 87		3093	20 JUN 87		3149	15 AUG 87	
3038	26 APR 87		3094	21 JUN 87		3150	16 AUG 87	
3039	27 APR 87		3095	22 JUN 87		3151	17 AUG 87	
3040	28 APR 87		3096	23 JUN 87		3152	18 AUG 87	
3041	29 APR 87		3097	24 JUN 87		3153	19 AUG 87	
3042	30 APR 87		3098	25 JUN 87		3154	20 AUG 87	
3043	1 MAY 87		3099	26 JUN 87		3155	21 AUG 87	
3044	2 MAY 87		3100	27 JUN 87		3156	22 AUG 87	
3045	3 MAY 87		3101	28 JUN 87		3157	23 AUG 87	
3046	4 MAY 87		3102	29 JUN 87		3158	24 AUG 87	
3047	5 MAY 87		3103	30 JUN 87		3159	25 AUG 87	
3048	6 MAY 87		3104	1 JUL 87		3160	26 AUG 87	
3049	7 MAY 87		3105	2 JUL 87		3161	27 AUG 87	
3050	8 MAY 87		3106	3 JUL 87		3162	28 AUG 87	
3051	9 MAY 87		3107	4 JUL 87		3163	29 AUG 87	
3052	10 MAY 87		3108	5 JUL 87		3164	30 AUG 87	
3053	11 MAY 87		3109	6 JUL 87		3165	31 AUG 87	
3054	12 MAY 87		3110	7 JUL 87		3166	1 SEP 87	
3055	13 MAY 87		3111	8 JUL 87		3167	2 SEP 87	
3056	14 MAY 87		3112	9 JUL 87		3168	3 SEP 87	
3057	15 MAY 87		3113	10 JUL 87		3169	4 SEP 87	
3058	16 MAY 87		3114	11 JUL 87		3170	5 SEP 87	
3059	17 MAY 87		3115	12 JUL 87		3171	6 SEP 87	
3060	18 MAY 87		3116	13 JUL 87		3172	7 SEP 87	
3061	19 MAY 87		3117	14 JUL 87		3173	8 SEP 87	
3062	20 MAY 87		3118	15 JUL 87		3174	9 SEP 87	
3063	21 MAY 87		3119	16 JUL 87		3175	10 SEP 87	
3064	22 MAY 87		3120	17 JUL 87		3176	11 SEP 87	
3065	23 MAY 87		3121	18 JUL 87		3177	12 SEP 87	
3066	24 MAY 87		3122	19 JUL 87		3178	13 SEP 87	
3067	25 MAY 87		3123	20 JUL 87		3179	14 SEP 87	
3068	26 MAY 87		3124	21 JUL 87		3180	15 SEP 87	

Table 2. Julian Day Conversion (Cont.)

3181	16	SEP	87	3237	11	NOV	87	3293	6	JAN	88
3182	17	SEP	87	3238	12	NOV	87	3294	7	JAN	88
3183	18	SEP	87	3239	13	NOV	87	3295	8	JAN	88
3184	19	SEP	87	3240	14	NOV	87	3296	9	JAN	88
3185	20	SEP	87	3241	15	NOV	87	3297	10	JAN	88
3186	21	SEP	87	3242	16	NOV	87	3298	11	JAN	88
3187	22	SEP	87	3243	17	NOV	87	3299	12	JAN	88
3188	23	SEP	87	3244	18	NOV	87	3300	13	JAN	88
3189	24	SEP	87	3245	19	NOV	87	3301	14	JAN	88
3190	25	SEP	87	3246	20	NOV	87	3302	15	JAN	88
3191	26	SEP	87	3247	21	NOV	87	3303	16	JAN	88
3192	27	SEP	87	3248	22	NOV	87	3304	17	JAN	88
3193	28	SEP	87	3249	23	NOV	87	3305	18	JAN	88
3194	29	SEP	87	3250	24	NOV	87	3306	19	JAN	88
3195	30	SEP	87	3251	25	NOV	87	3307	20	JAN	88
3196	1	OCT	87	3252	26	NOV	87	3308	21	JAN	88
3197	2	OCT	87	3253	27	NOV	87	3309	22	JAN	88
3198	3	OCT	87	3254	28	NOV	87	3310	23	JAN	88
3199	4	OCT	87	3255	29	NOV	87	3311	24	JAN	88
3200	5	OCT	87	3256	30	NOV	87	3312	25	JAN	88
3201	6	OCT	87	3257	1	DEC	87	3313	26	JAN	88
3202	7	OCT	87	3258	2	DEC	87	3314	27	JAN	88
3203	8	OCT	87	3259	3	DEC	87	3315	28	JAN	88
3204	9	OCT	87	3260	4	DEC	87	3316	29	JAN	88
3205	10	OCT	87	3261	5	DEC	87	3317	30	JAN	88
3206	11	OCT	87	3262	6	DEC	87	3318	31	JAN	88
3207	12	OCT	87	3263	7	DEC	87	3319	1	FEB	88
3208	13	OCT	87	3264	8	DEC	87	3320	2	FEB	88
3209	14	OCT	87	3265	9	DEC	87	3321	3	FEB	88
3210	15	OCT	87	3266	10	DEC	87	3322	4	FEB	88
3211	16	OCT	87	3267	11	DEC	87	3323	5	FEB	88
3212	17	OCT	87	3268	12	DEC	87	3324	6	FEB	88
3213	18	OCT	87	3269	13	DEC	87	3325	7	FEB	88
3214	19	OCT	87	3270	14	DEC	87	3326	8	FEB	88
3215	20	OCT	87	3271	15	DEC	87	3327	9	FEB	88
3216	21	OCT	87	3272	16	DEC	87	3328	10	FEB	88
3217	22	OCT	87	3273	17	DEC	87	3329	11	FEB	88
3218	23	OCT	87	3274	18	DEC	87	3330	12	FEB	88
3219	24	OCT	87	3275	19	DEC	87	3331	13	FEB	88
3220	25	OCT	87	3276	20	DEC	87	3332	14	FEB	88
3221	26	OCT	87	3277	21	DEC	87	3333	15	FEB	88
3222	27	OCT	87	3278	22	DEC	87	3334	16	FEB	88
3223	28	OCT	87	3279	23	DEC	87	3335	17	FEB	88
3224	29	OCT	87	3280	24	DEC	87	3336	18	FEB	88
3225	30	OCT	87	3281	25	DEC	87	3337	19	FEB	88
3226	31	OCT	87	3282	26	DEC	87	3338	20	FEB	88
3227	1	NOV	87	3283	27	DEC	87	3339	21	FEB	88
3228	2	NOV	87	3284	28	DEC	87	3340	22	FEB	88
3229	3	NOV	87	3285	29	DEC	87	3341	23	FEB	88
3230	4	NOV	87	3286	30	DEC	87	3342	24	FEB	88
3231	5	NOV	87	3287	31	DEC	87	3343	25	FEB	88
3232	6	NOV	87	3288	1	JAN	88	3344	26	FEB	88
3233	7	NOV	87	3289	2	JAN	88	3345	27	FEB	88
3234	8	NOV	87	3290	3	JAN	88	3346	28	FEB	88
3235	9	NOV	87	3291	4	JAN	88	3347	29	FEB	88
3236	10	NOV	87	3292	5	JAN	88	3348	1	MAR	88

Table 2. Julian Day Conversion (Cont.)

3349	2	MAR 88	3405	27	APR 88	3461	22	JUN 88
3350	3	MAR 88	3406	28	APR 88	3462	23	JUN 88
3351	4	MAR 88	3407	29	APR 88	3463	24	JUN 88
3352	5	MAR 88	3408	30	APR 88	3464	25	JUN 88
3353	6	MAR 88	3409	1	MAY 88	3465	26	JUN 88
3354	7	MAR 88	3410	2	MAY 88	3466	27	JUN 88
3355	8	MAR 88	3411	3	MAY 88	3467	28	JUN 88
3356	9	MAR 88	3412	4	MAY 88	3468	29	JUN 88
3357	10	MAR 88	3413	5	MAY 88	3469	30	JUN 88
3358	11	MAR 88	3414	6	MAY 88	3470	1	JUL 88
3359	12	MAR 88	3415	7	MAY 88	3471	2	JUL 88
3360	13	MAR 88	3416	8	MAY 88	3472	3	JUL 88
3361	14	MAR 88	3417	9	MAY 88	3473	4	JUL 88
3362	15	MAR 88	3418	10	MAY 88	3474	5	JUL 88
3363	16	MAR 88	3419	11	MAY 88	3475	6	JUL 88
3364	17	MAR 88	3420	12	MAY 88	3476	7	JUL 88
3365	18	MAR 88	3421	13	MAY 88	3477	8	JUL 88
3366	19	MAR 88	3422	14	MAY 88	3478	9	JUL 88
3367	20	MAR 88	3423	15	MAY 88	3479	10	JUL 88
3368	21	MAR 88	3424	16	MAY 88	3480	11	JUL 88
3369	22	MAR 88	3425	17	MAY 88	3481	12	JUL 88
3370	23	MAR 88	3426	18	MAY 88	3482	13	JUL 88
3371	24	MAR 88	3427	19	MAY 88	3483	14	JUL 88
3372	25	MAR 88	3428	20	MAY 88	3484	15	JUL 88
3373	26	MAR 88	3429	21	MAY 88	3485	16	JUL 88
3374	27	MAR 88	3430	22	MAY 88	3486	17	JUL 88
3375	28	MAR 88	3431	23	MAY 88	3487	18	JUL 88
3376	29	MAR 88	3432	24	MAY 88	3488	19	JUL 88
3377	30	MAR 88	3433	25	MAY 88	3489	20	JUL 88
3378	31	MAR 88	3434	26	MAY 88	3490	21	JUL 88
3379	1	APR 88	3435	27	MAY 88	3491	22	JUL 88
3380	2	APR 88	3436	28	MAY 88	3492	23	JUL 88
3381	3	APR 88	3437	29	MAY 88	3493	24	JUL 88
3382	4	APR 88	3438	30	MAY 88	3494	25	JUL 88
3383	5	APR 88	3439	31	MAY 88	3495	26	JUL 88
3384	6	APR 88	3440	1	JUN 88	3496	27	JUL 88
3385	7	APR 88	3441	2	JUN 88	3497	28	JUL 88
3386	8	APR 88	3442	3	JUN 88	3498	29	JUL 88
3387	9	APR 88	3443	4	JUN 88	3499	30	JUL 88
3388	10	APR 88	3444	5	JUN 88	3500	31	JUL 88
3389	11	APR 88	3445	6	JUN 88	3501	1	AUG 88
3390	12	APR 88	3446	7	JUN 88	3502	2	AUG 88
3391	13	APR 88	3447	8	JUN 88	3503	3	AUG 88
3392	14	APR 88	3448	9	JUN 88	3504	4	AUG 88
3393	15	APR 88	3449	10	JUN 88	3505	5	AUG 88
3394	16	APR 88	3450	11	JUN 88	3506	6	AUG 88
3395	17	APR 88	3451	12	JUN 88	3507	7	AUG 88
3396	18	APR 88	3452	13	JUN 88	3508	8	AUG 88
3397	19	APR 88	3453	14	JUN 88	3509	9	AUG 88
3398	20	APR 88	3454	15	JUN 88	3510	10	AUG 88
3399	21	APR 88	3455	16	JUN 88	3511	11	AUG 88
3400	22	APR 88	3456	17	JUN 88	3512	12	AUG 88
3401	23	APR 88	3457	18	JUN 88	3513	13	AUG 88
3402	24	APR 88	3458	19	JUN 88	3514	14	AUG 88
3403	25	APR 88	3459	20	JUN 88	3515	15	AUG 88
3404	26	APR 88	3460	21	JUN 88	3516	16	AUG 88

Table 2. Julian Day Conversion (Cont.)

3517	17	AUG	88	3573	12	OCT	88	3629	7	DEC	88
3518	18	AUG	88	3574	13	OCT	88	3630	8	DEC	88
3519	19	AUG	88	3575	14	OCT	88	3631	9	DEC	88
3520	20	AUG	88	3576	15	OCT	88	3632	10	DEC	88
3521	21	AUG	88	3577	16	OCT	88	3633	11	DEC	88
3522	22	AUG	88	3578	17	OCT	88	3634	12	DEC	88
3523	23	AUG	88	3579	18	OCT	88	3635	13	DEC	88
3524	24	AUG	88	3580	19	OCT	88	3636	14	DEC	88
3525	25	AUG	88	3581	20	OCT	88	3637	15	DEC	88
3526	26	AUG	88	3582	21	OCT	88	3638	16	DEC	88
3527	27	AUG	88	3583	22	OCT	88	3639	17	DEC	88
3528	28	AUG	88	3584	23	OCT	88	3640	18	DEC	88
3529	29	AUG	88	3585	24	OCT	88	3641	19	DEC	88
3530	30	AUG	88	3586	25	OCT	88	3642	20	DEC	88
3531	31	AUG	88	3587	26	OCT	88	3643	21	DEC	88
3532	1	SEP	88	3588	27	OCT	88	3644	22	DEC	88
3533	2	SEP	88	3589	28	OCT	88	3645	23	DEC	88
3534	3	SEP	88	3590	29	OCT	88	3646	24	DEC	88
3535	4	SEP	88	3591	30	OCT	88	3647	25	DEC	88
3536	5	SEP	88	3592	31	OCT	88	3648	26	DEC	88
3537	6	SEP	88	3593	1	NOV	88	3649	27	DEC	88
3538	7	SEP	88	3594	2	NOV	88	3650	28	DEC	88
3539	8	SEP	88	3595	3	NOV	88	3651	29	DEC	88
3540	9	SEP	88	3596	4	NOV	88	3652	30	DEC	88
3541	10	SEP	88	3597	5	NOV	88	3653	31	DEC	88
3542	11	SEP	88	3598	6	NOV	88	3654	1	JAN	89
3543	12	SEP	88	3599	7	NOV	88	3655	2	JAN	89
3544	13	SEP	88	3600	8	NOV	88	3656	3	JAN	89
3545	14	SEP	88	3601	9	NOV	88	3657	4	JAN	89
3546	15	SEP	88	3602	10	NOV	88	3658	5	JAN	89
3547	16	SEP	88	3603	11	NOV	88	3659	6	JAN	89
3548	17	SEP	88	3604	12	NOV	88	3660	7	JAN	89
3549	18	SEP	88	3605	13	NOV	88	3661	8	JAN	89
3550	19	SEP	88	3606	14	NOV	88	3662	9	JAN	89
3551	20	SEP	88	3607	15	NOV	88	3663	10	JAN	89
3552	21	SEP	88	3608	16	NOV	88	3664	11	JAN	89
3553	22	SEP	88	3609	17	NOV	88	3665	12	JAN	89
3554	23	SEP	88	3610	18	NOV	88	3666	13	JAN	89
3555	24	SEP	88	3611	19	NOV	88	3667	14	JAN	89
3556	25	SEP	88	3612	20	NOV	88	3668	15	JAN	89
3557	26	SEP	88	3613	21	NOV	88	3669	16	JAN	89
3558	27	SEP	88	3614	22	NOV	88	3670	17	JAN	89
3559	28	SEP	88	3615	23	NOV	88	3671	18	JAN	89
3560	29	SEP	88	3616	24	NOV	88	3672	19	JAN	89
3561	30	SEP	88	3617	25	NOV	88	3673	20	JAN	89
3562	1	OCT	88	3618	26	NOV	88	3674	21	JAN	89
3563	2	OCT	88	3619	27	NOV	88	3675	22	JAN	89
3564	3	OCT	88	3620	28	NOV	88	3676	23	JAN	89
3565	4	OCT	88	3621	29	NOV	88	3677	24	JAN	89
3566	5	OCT	88	3622	30	NOV	88	3678	25	JAN	89
3567	6	OCT	88	3623	1	DEC	88	3679	26	JAN	89
3568	7	OCT	88	3624	2	DEC	88	3680	27	JAN	89
3569	8	OCT	88	3625	3	DEC	88	3681	28	JAN	89
3570	9	OCT	88	3626	4	DEC	88	3682	29	JAN	89
3571	10	OCT	88	3627	5	DEC	88	3683	30	JAN	89
3572	11	OCT	88	3628	6	DEC	88	3684	31	JAN	89

Table 2. Julian Day Conversion (Cont.)

3685	1	FEB 89	3741	29	MAR 89	3797	24	MAY 89
3686	2	FEB 89	3742	30	MAR 89	3798	25	MAY 89
3687	3	FEB 89	3743	31	MAR 89	3799	26	MAY 89
3688	4	FEB 89	3744	1	APR 89	3800	27	MAY 89
3689	5	FEB 89	3745	2	APR 89	3801	28	MAY 89
3690	6	FEB 89	3746	3	APR 89	3802	29	MAY 89
3691	7	FEB 89	3747	4	APR 89	3803	30	MAY 89
3692	8	FEB 89	3748	5	APR 89	3804	31	MAY 89
3693	9	FEB 89	3749	6	APR 89	3805	1	JUN 89
3694	10	FEB 89	3750	7	APR 89	3806	2	JUN 89
3695	11	FEB 89	3751	8	APR 89	3807	3	JUN 89
3696	12	FEB 89	3752	9	APR 89	3808	4	JUN 89
3697	13	FEB 89	3753	10	APR 89	3809	5	JUN 89
3698	14	FEB 89	3754	11	APR 89	3810	6	JUN 89
3699	15	FEB 89	3755	12	APR 89	3811	7	JUN 89
3700	16	FEB 89	3756	13	APR 89	3812	8	JUN 89
3701	17	FEB 89	3757	14	APR 89	3813	9	JUN 89
3702	18	FEB 89	3758	15	APR 89	3814	10	JUN 89
3703	19	FEB 89	3759	16	APR 89	3815	11	JUN 89
3704	20	FEB 89	3760	17	APR 89	3816	12	JUN 89
3705	21	FEB 89	3761	18	APR 89	3817	13	JUN 89
3706	22	FEB 89	3762	19	APR 89	3818	14	JUN 89
3707	23	FEB 89	3763	20	APR 89	3819	15	JUN 89
3708	24	FEB 89	3764	21	APR 89	3820	16	JUN 89
3709	25	FEB 89	3765	22	APR 89	3821	17	JUN 89
3710	26	FEB 89	3766	23	APR 89	3822	18	JUN 89
3711	27	FEB 89	3767	24	APR 89	3823	19	JUN 89
3712	28	FEB 89	3768	25	APR 89	3824	20	JUN 89
3713	1	MAR 89	3769	26	APR 89	3825	21	JUN 89
3714	2	MAR 89	3770	27	APR 89	3826	22	JUN 89
3715	3	MAR 89	3771	28	APR 89	3827	23	JUN 89
3716	4	MAR 89	3772	29	APR 89	3828	24	JUN 89
3717	5	MAR 89	3773	30	APR 89	3829	25	JUN 89
3718	6	MAR 89	3774	1	MAY 89	3830	26	JUN 89
3719	7	MAR 89	3775	2	MAY 89	3831	27	JUN 89
3720	8	MAR 89	3776	3	MAY 89	3832	28	JUN 89
3721	9	MAR 89	3777	4	MAY 89	3833	29	JUN 89
3722	10	MAR 89	3778	5	MAY 89	3834	30	JUN 89
3723	11	MAR 89	3779	6	MAY 89	3835	1	JUL 89
3724	12	MAR 89	3780	7	MAY 89	3836	2	JUL 89
3725	13	MAR 89	3781	8	MAY 89	3837	3	JUL 89
3726	14	MAR 89	3782	9	MAY 89	3838	4	JUL 89
3727	15	MAR 89	3783	10	MAY 89	3839	5	JUL 89
3728	16	MAR 89	3784	11	MAY 89	3840	6	JUL 89
3729	17	MAR 89	3785	12	MAY 89	3841	7	JUL 89
3730	18	MAR 89	3786	13	MAY 89	3842	8	JUL 89
3731	19	MAR 89	3787	14	MAY 89	3843	9	JUL 89
3732	20	MAR 89	3788	15	MAY 89	3844	10	JUL 89
3733	21	MAR 89	3789	16	MAY 89	3845	11	JUL 89
3734	22	MAR 89	3790	17	MAY 89	3846	12	JUL 89
3735	23	MAR 89	3791	18	MAY 89	3847	13	JUL 89
3736	24	MAR 89	3792	19	MAY 89	3848	14	JUL 89
3737	25	MAR 89	3793	20	MAY 89	3849	15	JUL 89
3738	26	MAR 89	3794	21	MAY 89	3850	16	JUL 89
3739	27	MAR 89	3795	22	MAY 89	3851	17	JUL 89
3740	28	MAR 89	3796	23	MAY 89	3852	18	JUL 89

Table 2. Julian Day Conversion (Cont.)

3853	19	JUL	89	3909	13	SEP	89	3965	8	NOV	89
3854	20	JUL	89	3910	14	SEP	89	3966	9	NOV	89
3855	21	JUL	89	3911	15	SEP	89	3967	10	NOV	89
3856	22	JUL	89	3912	16	SEP	89	3968	11	NOV	89
3857	23	JUL	89	3913	17	SEP	89	3969	12	NOV	89
3858	24	JUL	89	3914	18	SEP	89	3970	13	NOV	89
3859	25	JUL	89	3915	19	SEP	89	3971	14	NOV	89
3860	26	JUL	89	3916	20	SEP	89	3972	15	NOV	89
3861	27	JUL	89	3917	21	SEP	89	3973	16	NOV	89
3862	28	JUL	89	3918	22	SEP	89	3974	17	NOV	89
3863	29	JUL	89	3919	23	SEP	89	3975	18	NOV	89
3864	30	JUL	89	3920	24	SEP	89	3976	19	NOV	89
3865	31	JUL	89	3921	25	SEP	89	3977	20	NOV	89
3866	1	AUG	89	3922	26	SEP	89	3978	21	NOV	89
3867	2	AUG	89	3923	27	SEP	89	3979	22	NOV	89
3868	3	AUG	89	3924	28	SEP	89	3980	23	NOV	89
3869	4	AUG	89	3925	29	SEP	89	3981	24	NOV	89
3870	5	AUG	89	3926	30	SEP	89	3982	25	NOV	89
3871	6	AUG	89	3927	1	OCT	89	3983	26	NOV	89
3872	7	AUG	89	3928	2	OCT	89	3984	27	NOV	89
3873	8	AUG	89	3929	3	OCT	89	3985	28	NOV	89
3874	9	AUG	89	3930	4	OCT	89	3986	29	NOV	89
3875	10	AUG	89	3931	5	OCT	89	3987	30	NOV	89
3876	11	AUG	89	3932	6	OCT	89	3988	1	DEC	89
3877	12	AUG	89	3933	7	OCT	89	3989	2	DEC	89
3878	13	AUG	89	3934	8	OCT	89	3990	3	DEC	89
3879	14	AUG	89	3935	9	OCT	89	3991	4	DEC	89
3880	15	AUG	89	3936	10	OCT	89	3992	5	DEC	89
3881	16	AUG	89	3937	11	OCT	89	3993	6	DEC	89
3882	17	AUG	89	3938	12	OCT	89	3994	7	DEC	89
3883	18	AUG	89	3939	13	OCT	89	3995	8	DEC	89
3884	19	AUG	89	3940	14	OCT	89	3996	9	DEC	89
3885	20	AUG	89	3941	15	OCT	89	3997	10	DEC	89
3886	21	AUG	89	3942	16	OCT	89	3998	11	DEC	89
3887	22	AUG	89	3943	17	OCT	89	3999	12	DEC	89
3888	23	AUG	89	3944	18	OCT	89	4000	13	DEC	89
3889	24	AUG	89	3945	19	OCT	89	4001	14	DEC	89
3890	25	AUG	89	3946	20	OCT	89	4002	15	DEC	89
3891	26	AUG	89	3947	21	OCT	89	4003	16	DEC	89
3892	27	AUG	89	3948	22	OCT	89	4004	17	DEC	89
3893	28	AUG	89	3949	23	OCT	89	4005	18	DEC	89
3894	29	AUG	89	3950	24	OCT	89	4006	19	DEC	89
3895	30	AUG	89	3951	25	OCT	89	4007	20	DEC	89
3896	31	AUG	89	3952	26	OCT	89	4008	21	DEC	89
3897	1	SEP	89	3953	27	OCT	89	4009	22	DEC	89
3898	2	SEP	89	3954	28	OCT	89	4010	23	DEC	89
3899	3	SEP	89	3955	29	OCT	89	4011	24	DEC	89
3900	4	SEP	89	3956	30	OCT	89	4012	25	DEC	89
3901	5	SEP	89	3957	31	OCT	89	4013	26	DEC	89
3902	6	SEP	89	3958	1	NOV	89	4014	27	DEC	89
3903	7	SEP	89	3959	2	NOV	89	4015	28	DEC	89
3904	8	SEP	89	3960	3	NOV	89	4016	29	DEC	89
3905	9	SEP	89	3961	4	NOV	89	4017	30	DEC	89
3906	10	SEP	89	3962	5	NOV	89	4018	31	DEC	89
3907	11	SEP	89	3963	6	NOV	89	4019	1	JAN	90
3908	12	SEP	89	3964	7	NOV	89	4020	2	JAN	90

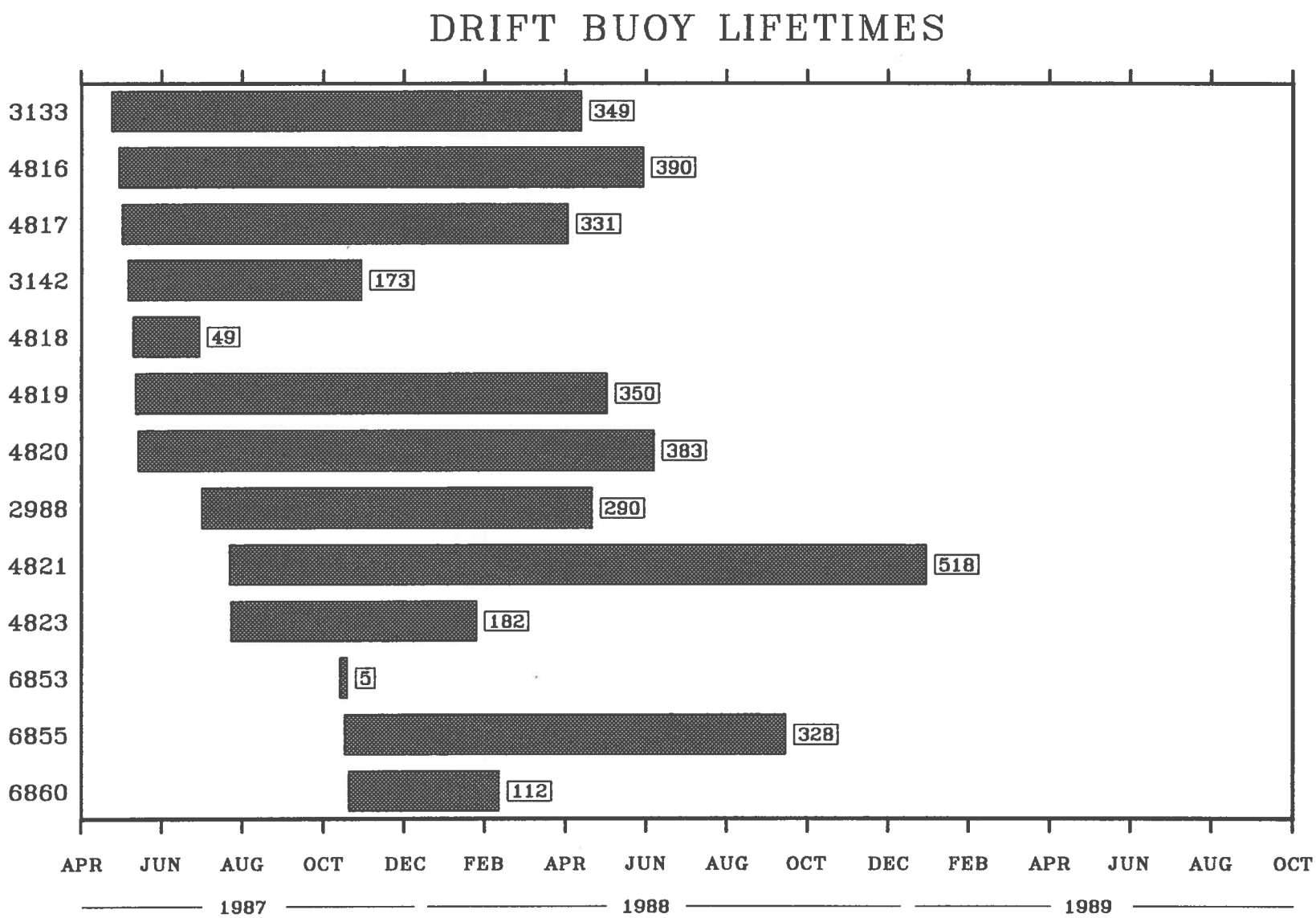


Figure 1. Time span of data from drifting buoys included in this report.

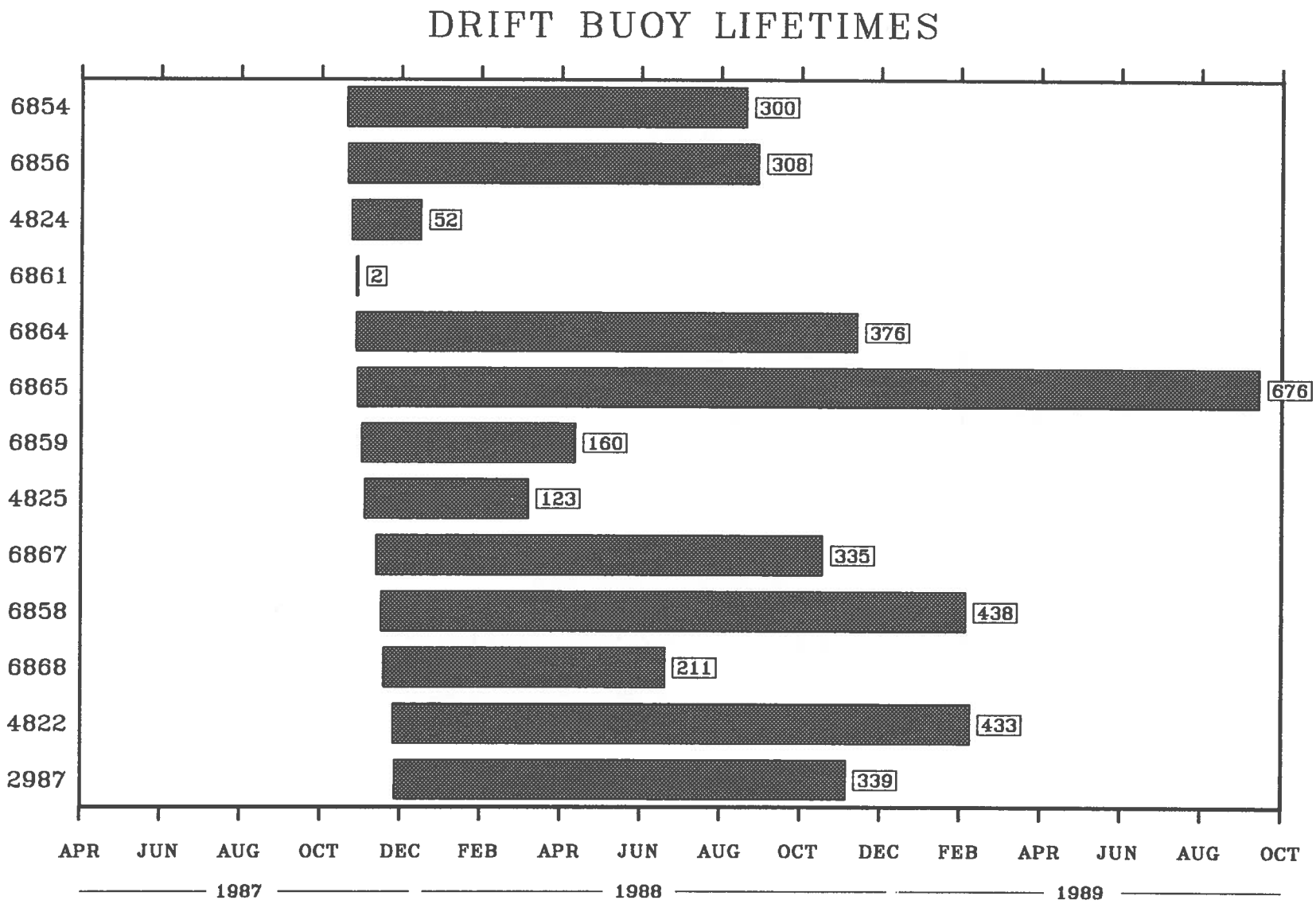


Figure 2. Time span of data from drifting buoys included in this report.

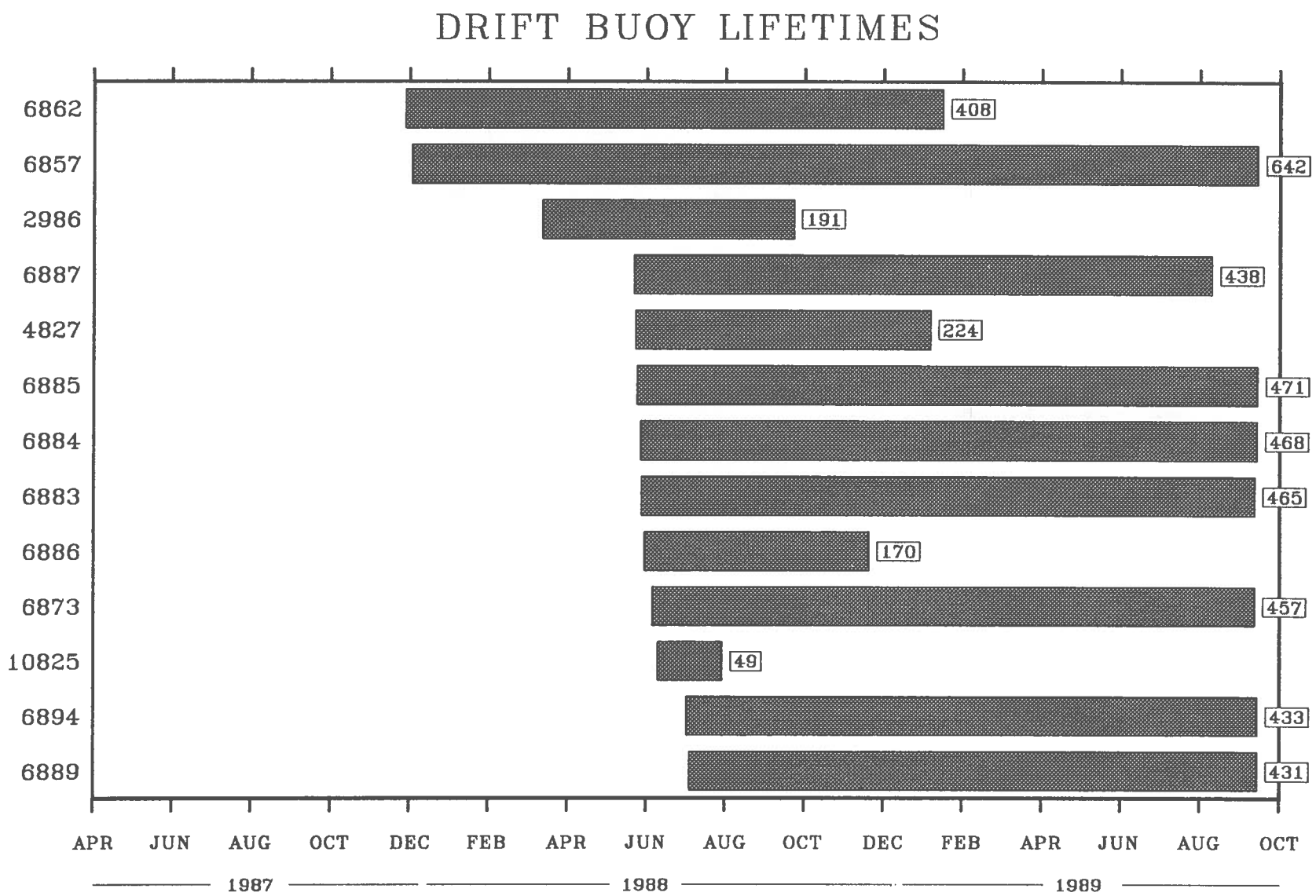


Figure 3. Time span of data from drifting buoys included in this report.

Composite plot of all trajectories from April 1, 1987 thru August 31, 1989

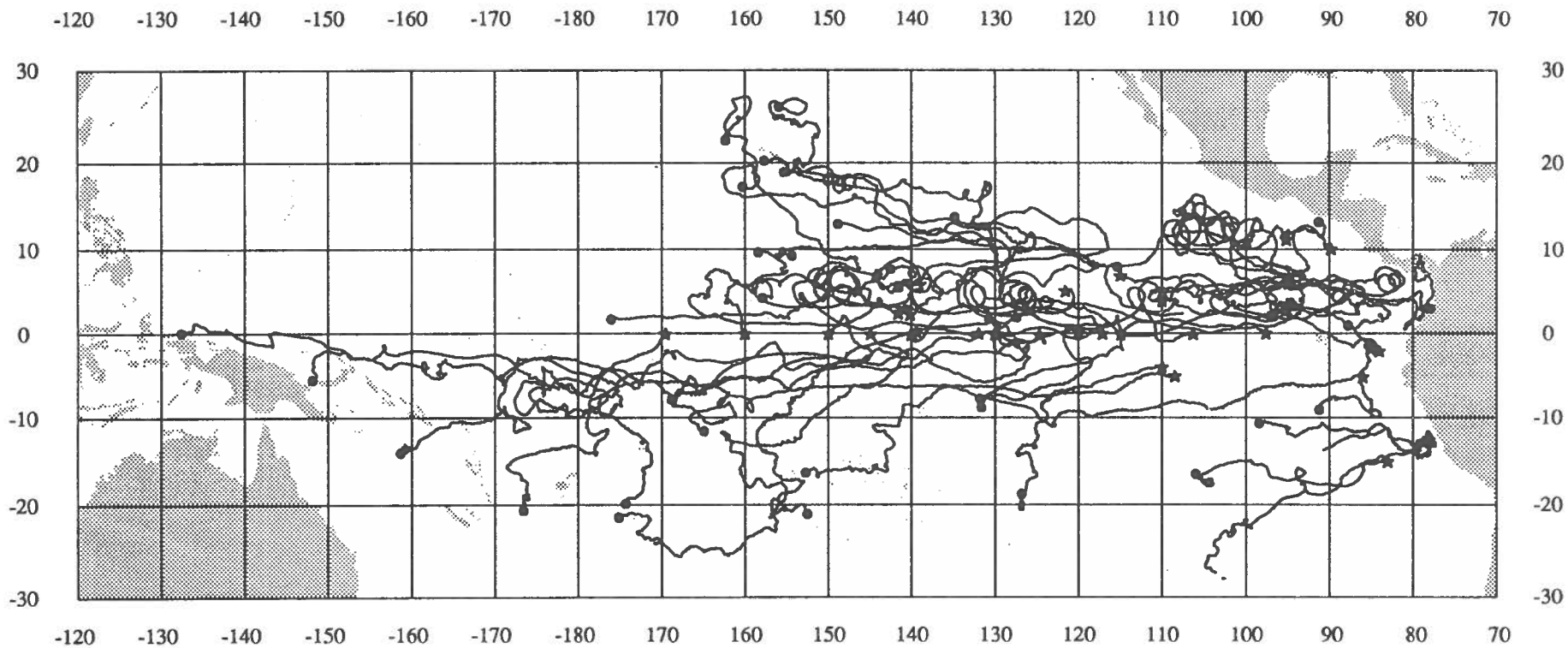
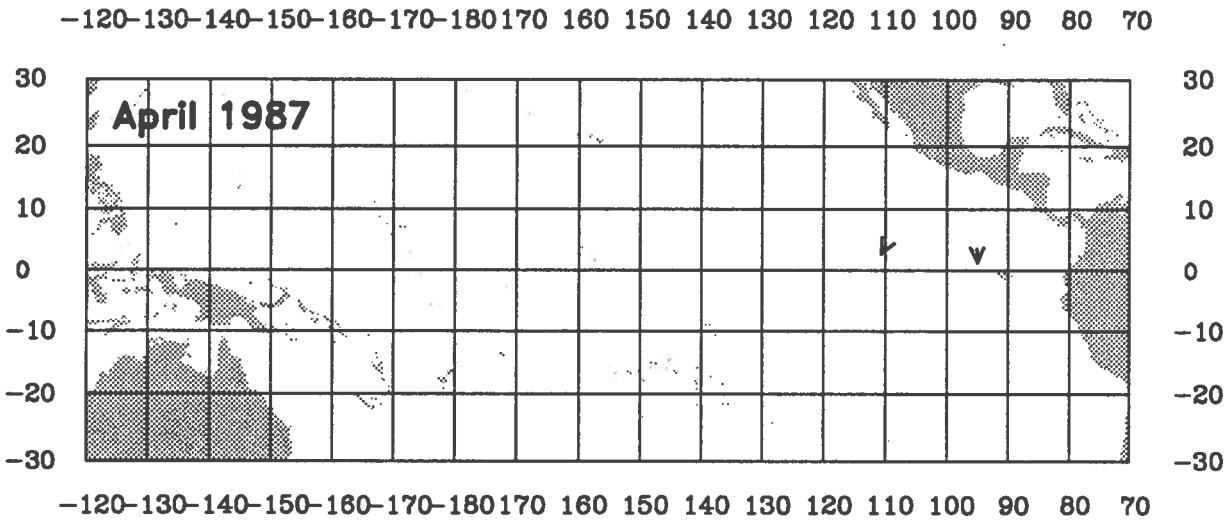
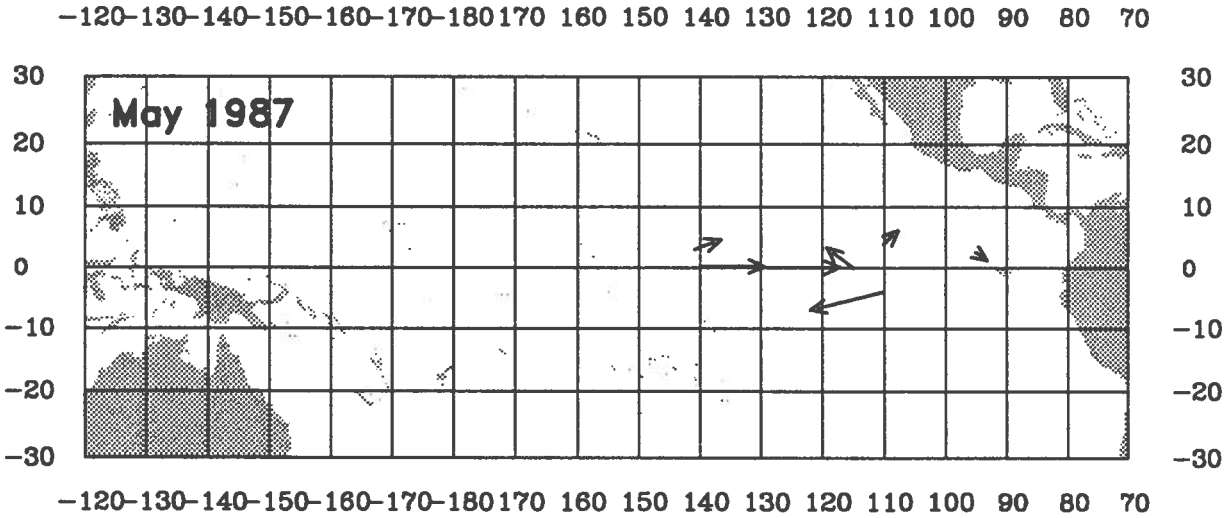
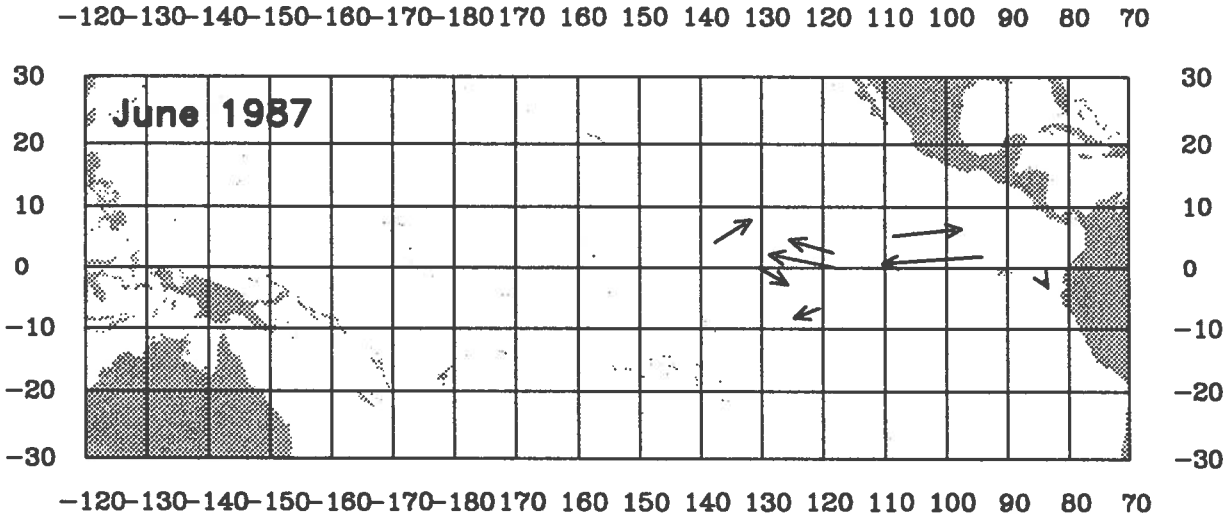


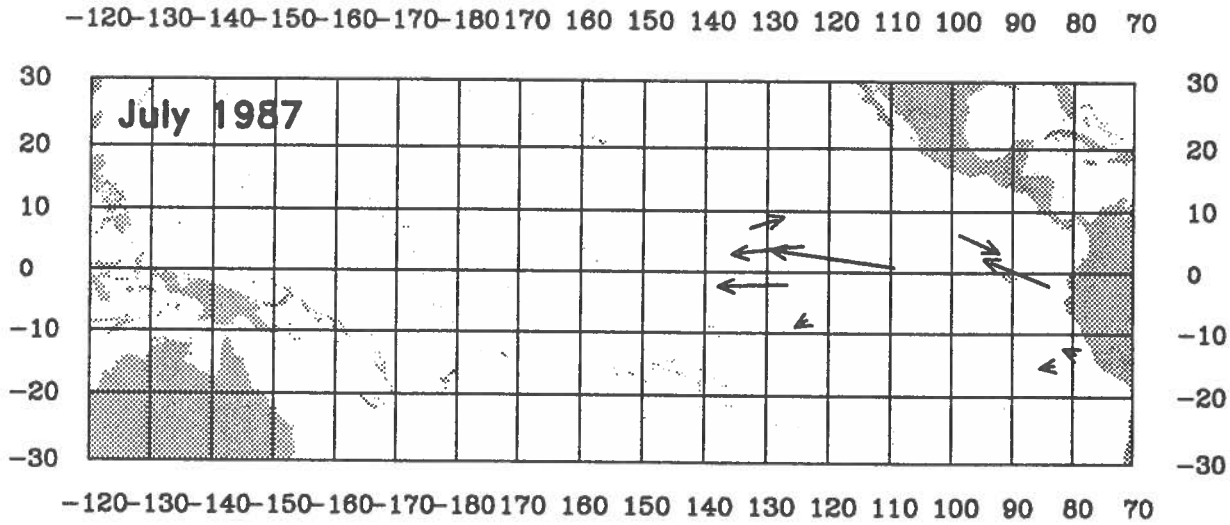
Figure 4

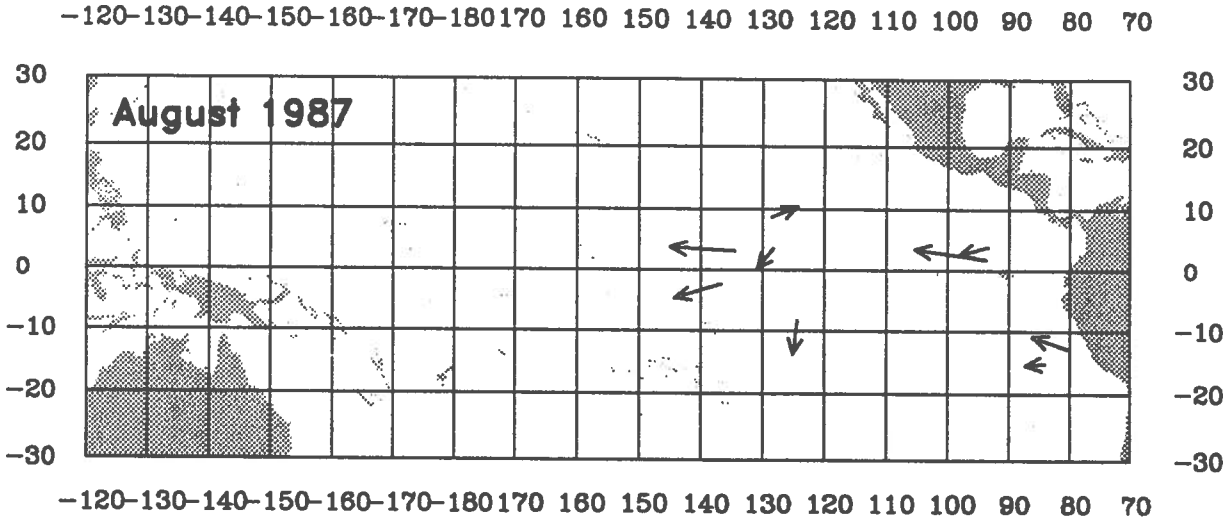


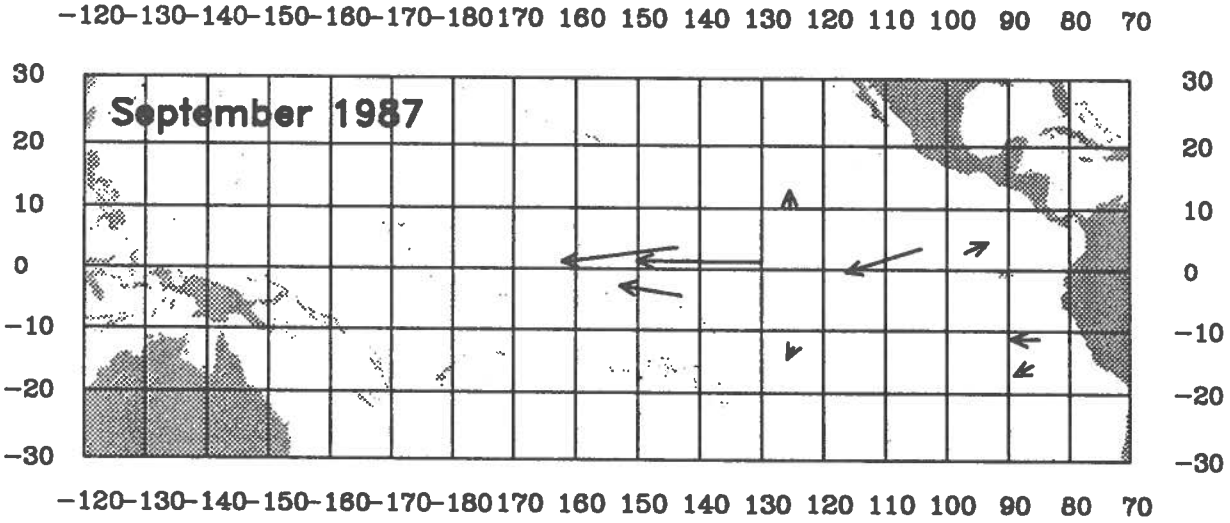




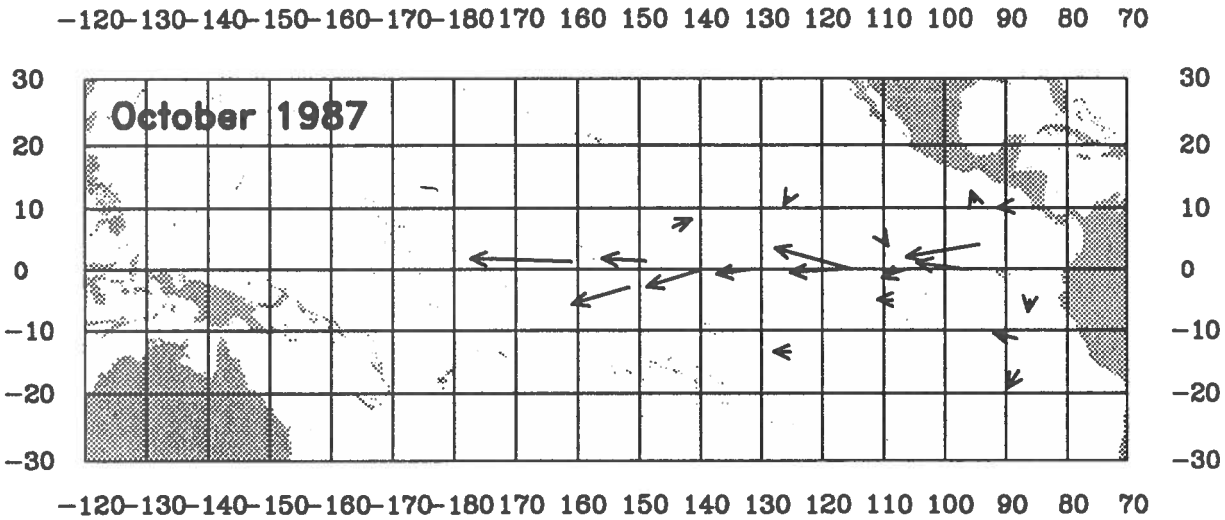
MONTHLY DISPLACEMENT OF BUOYS

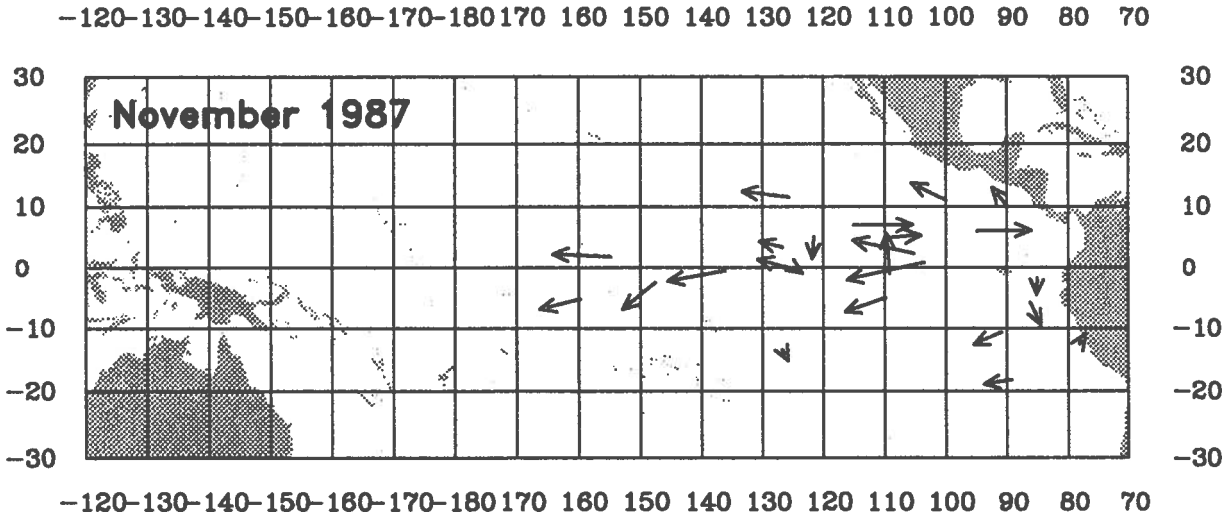


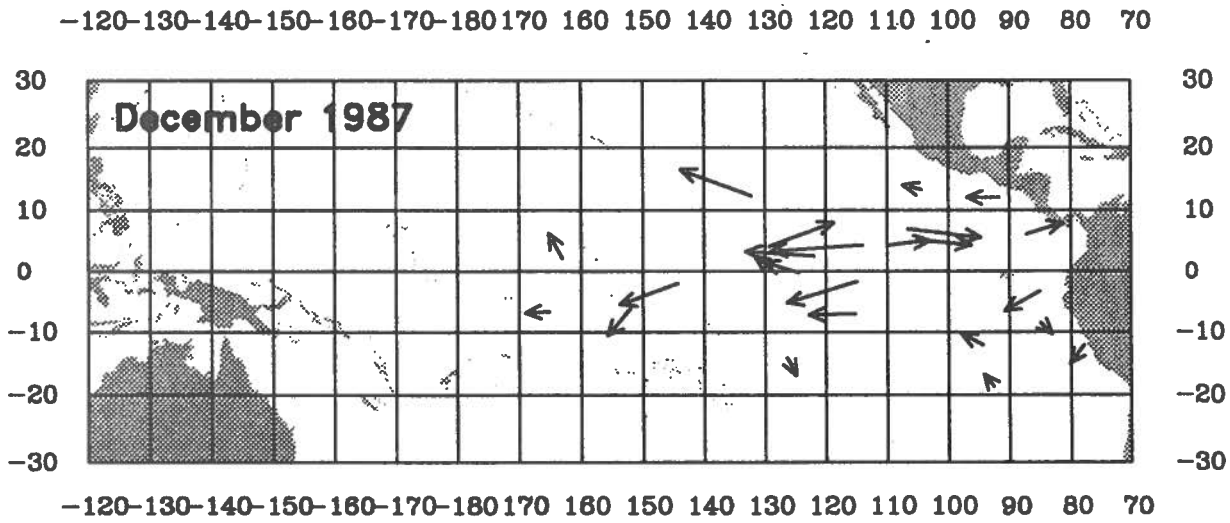




MONTHLY DISPLACEMENT OF BUOYS







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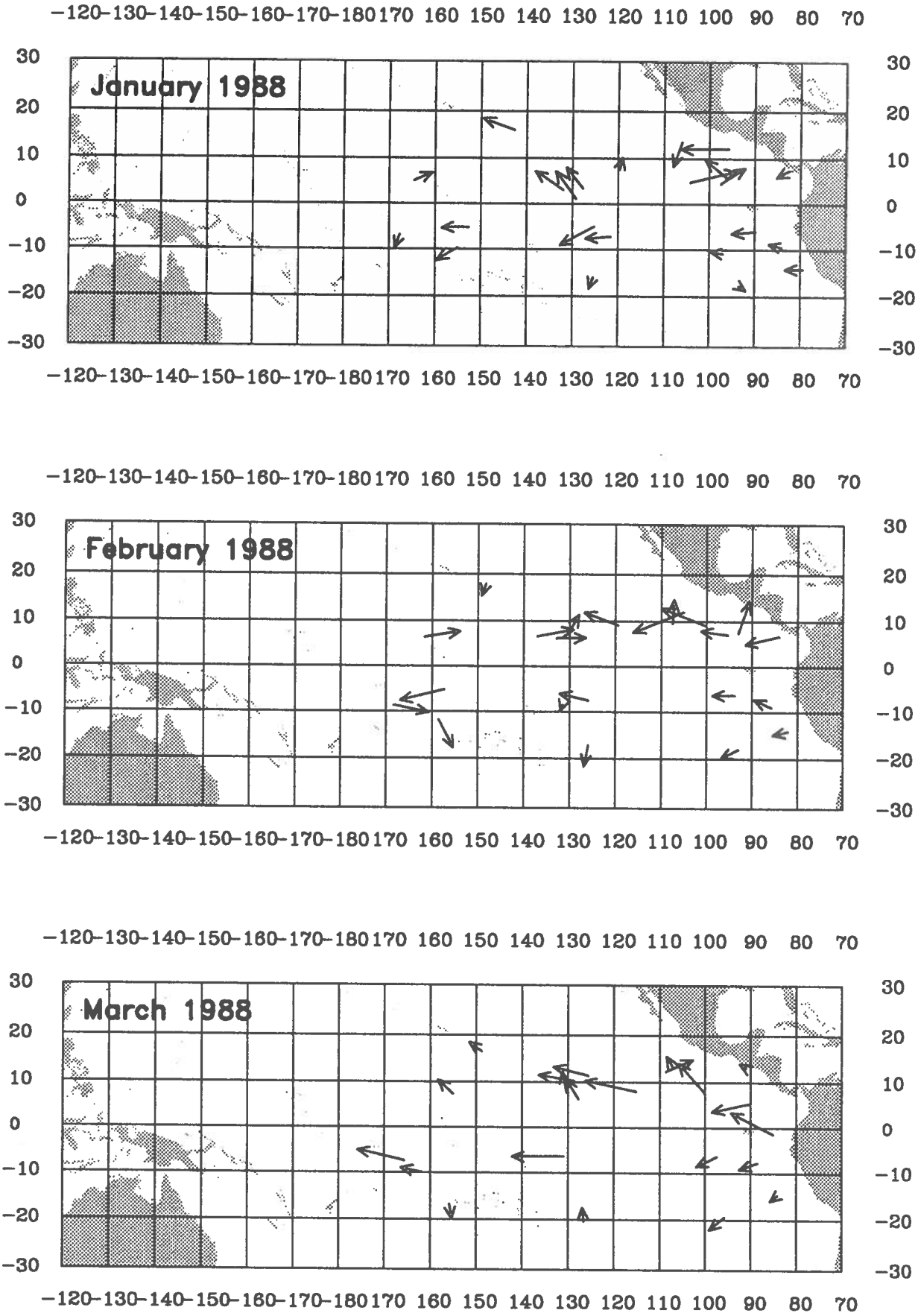
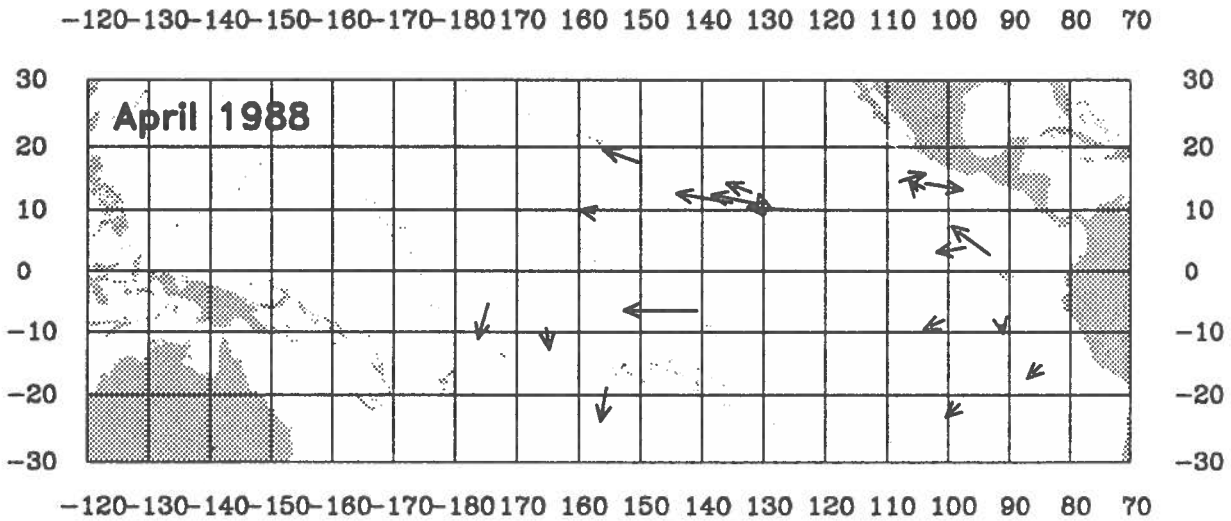
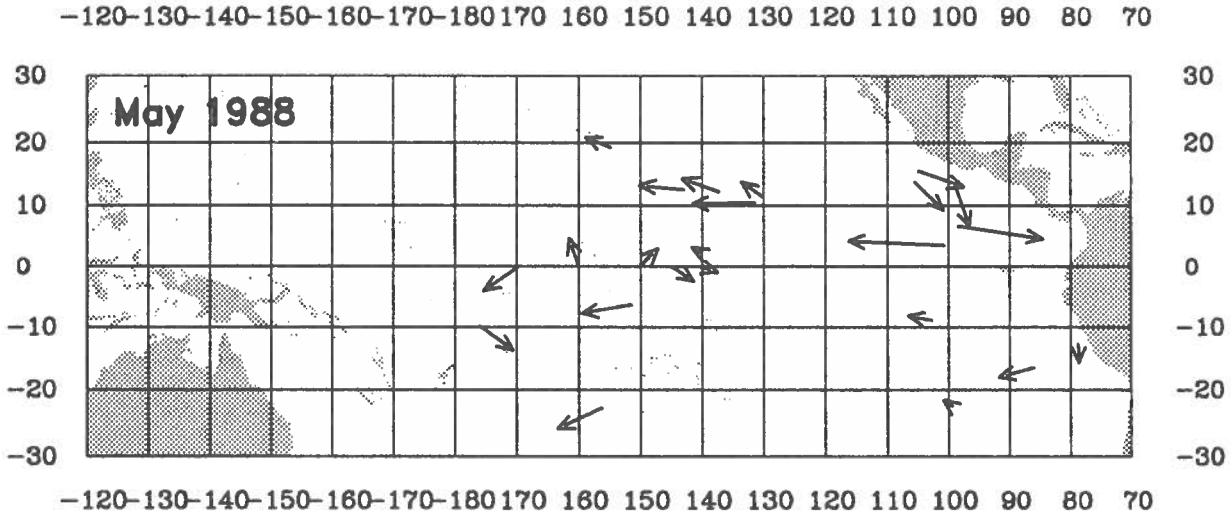
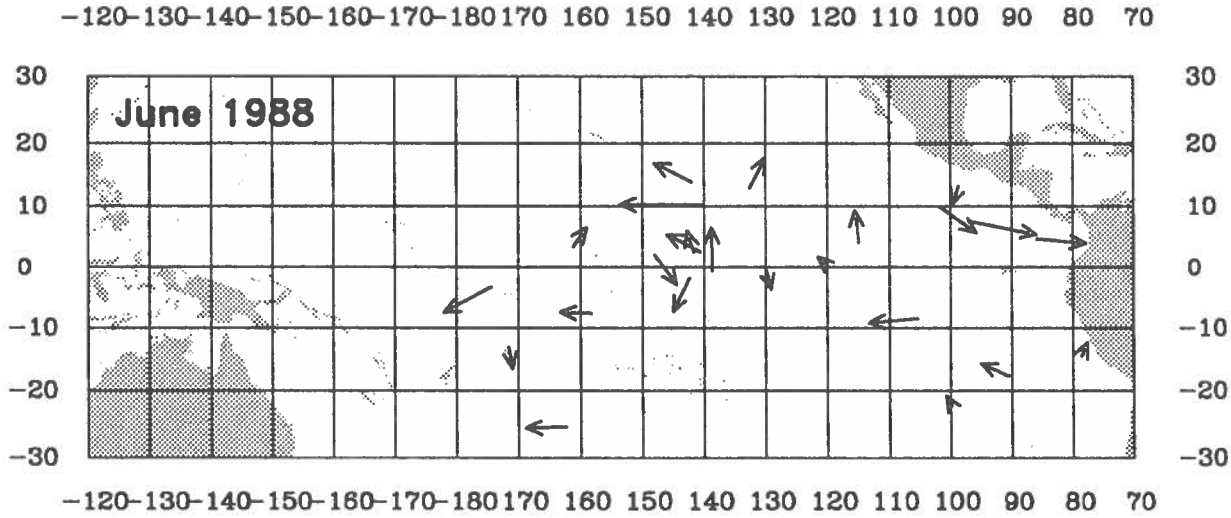


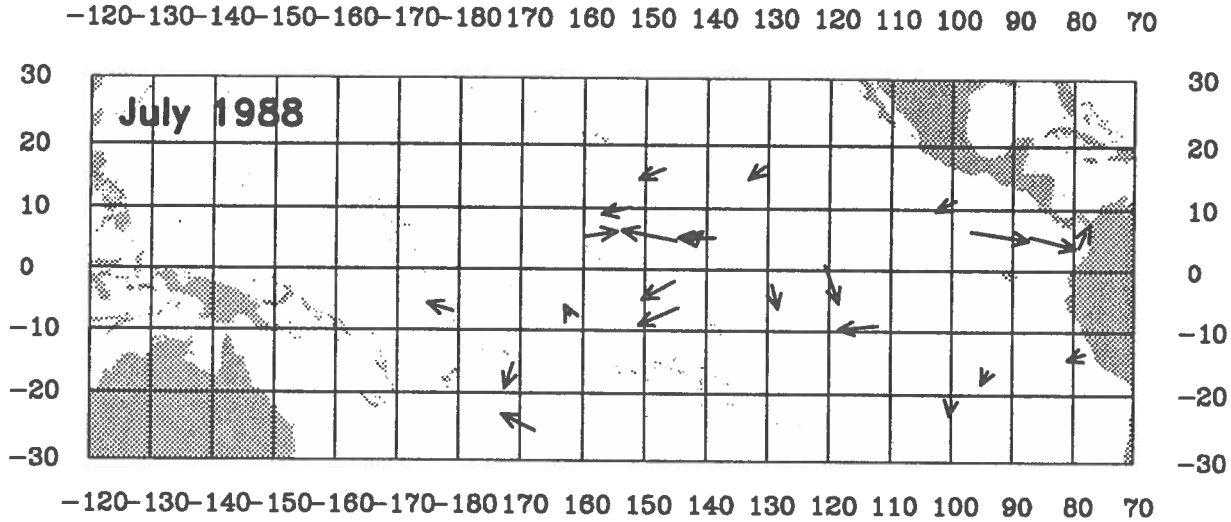
MONTHLY DISPLACEMENT OF BUOYS

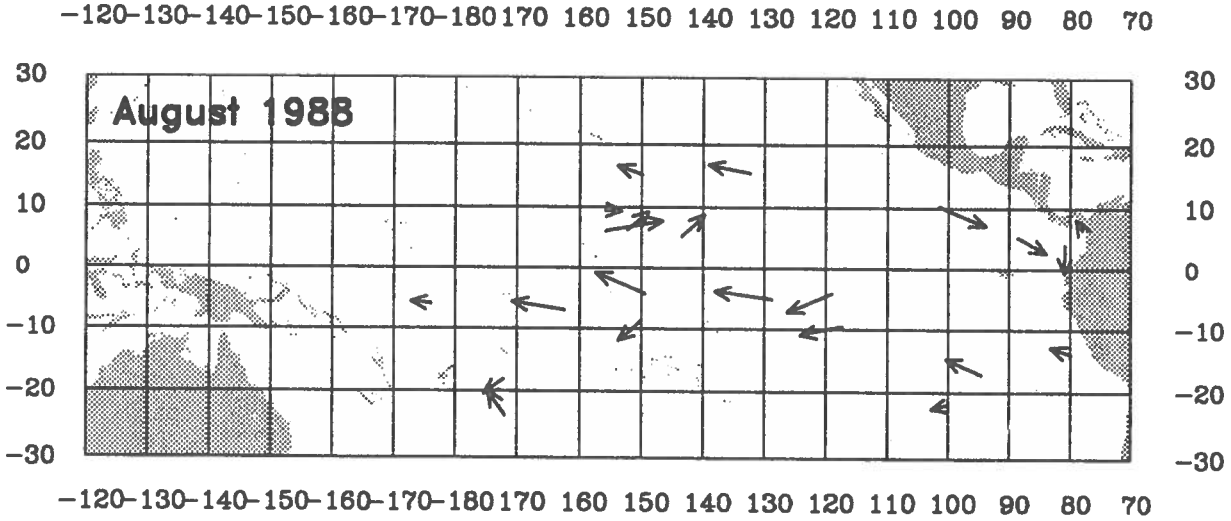


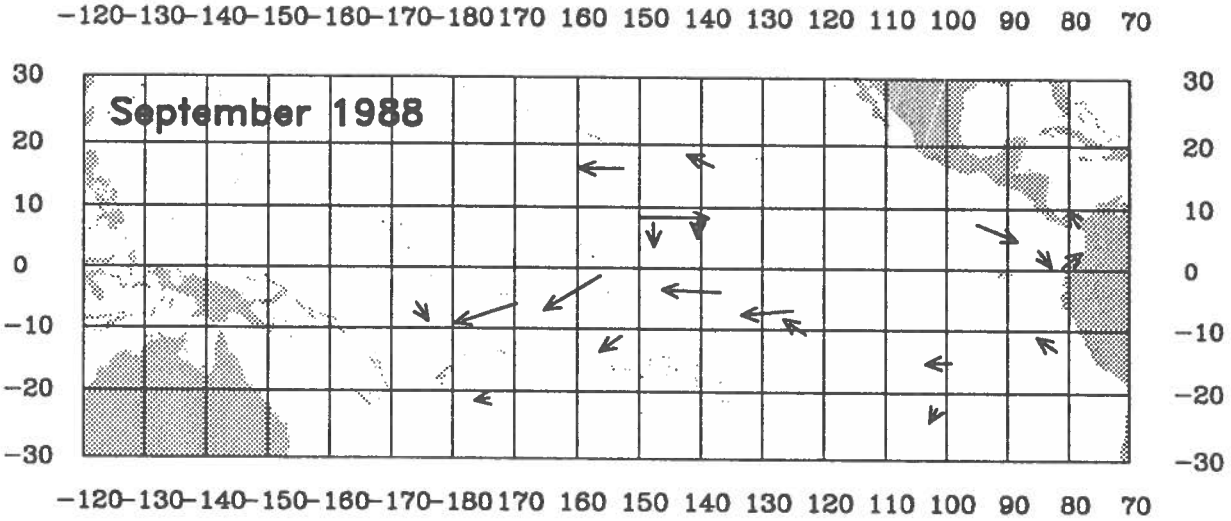




MONTHLY DISPLACEMENT OF BUOYS







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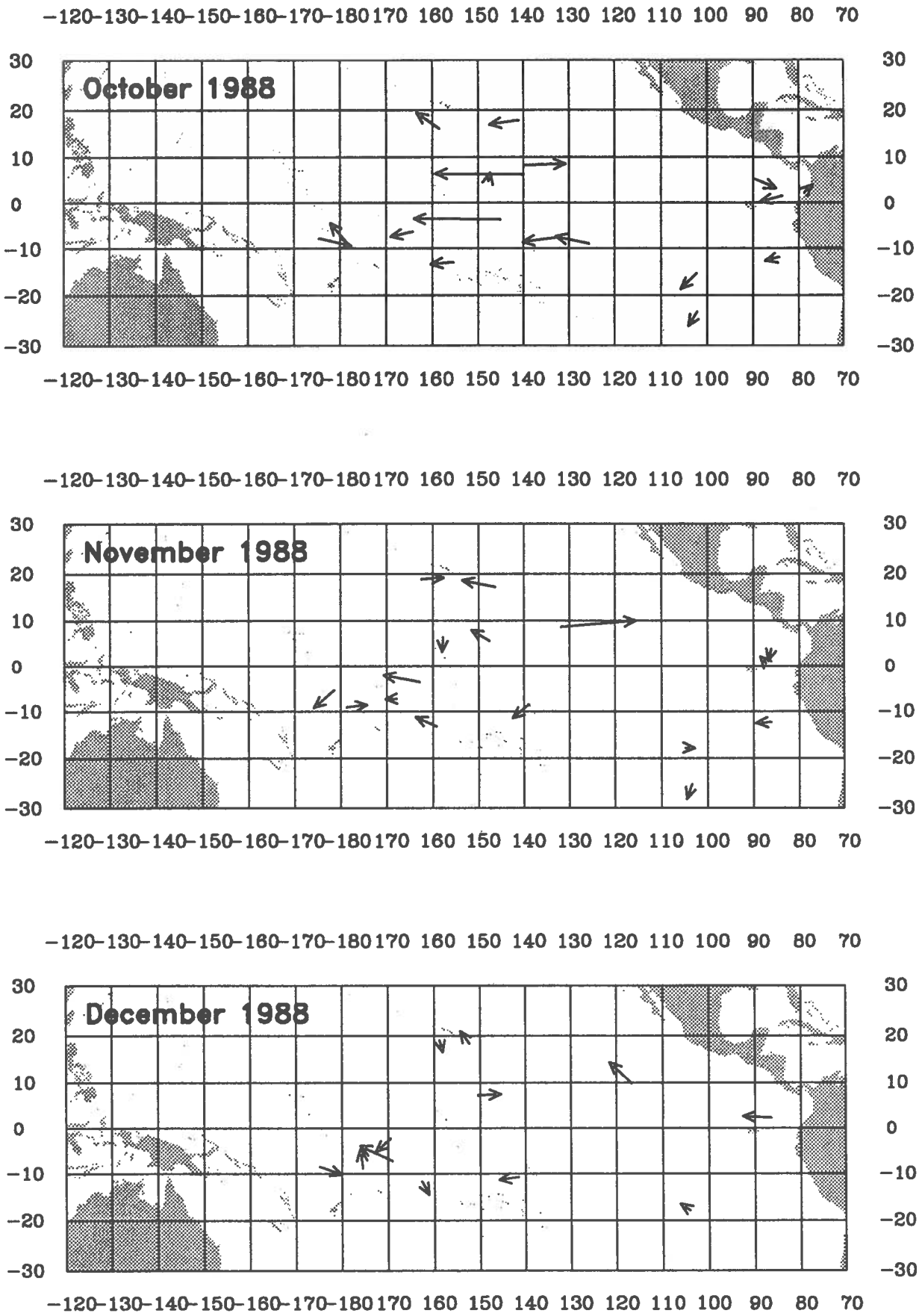

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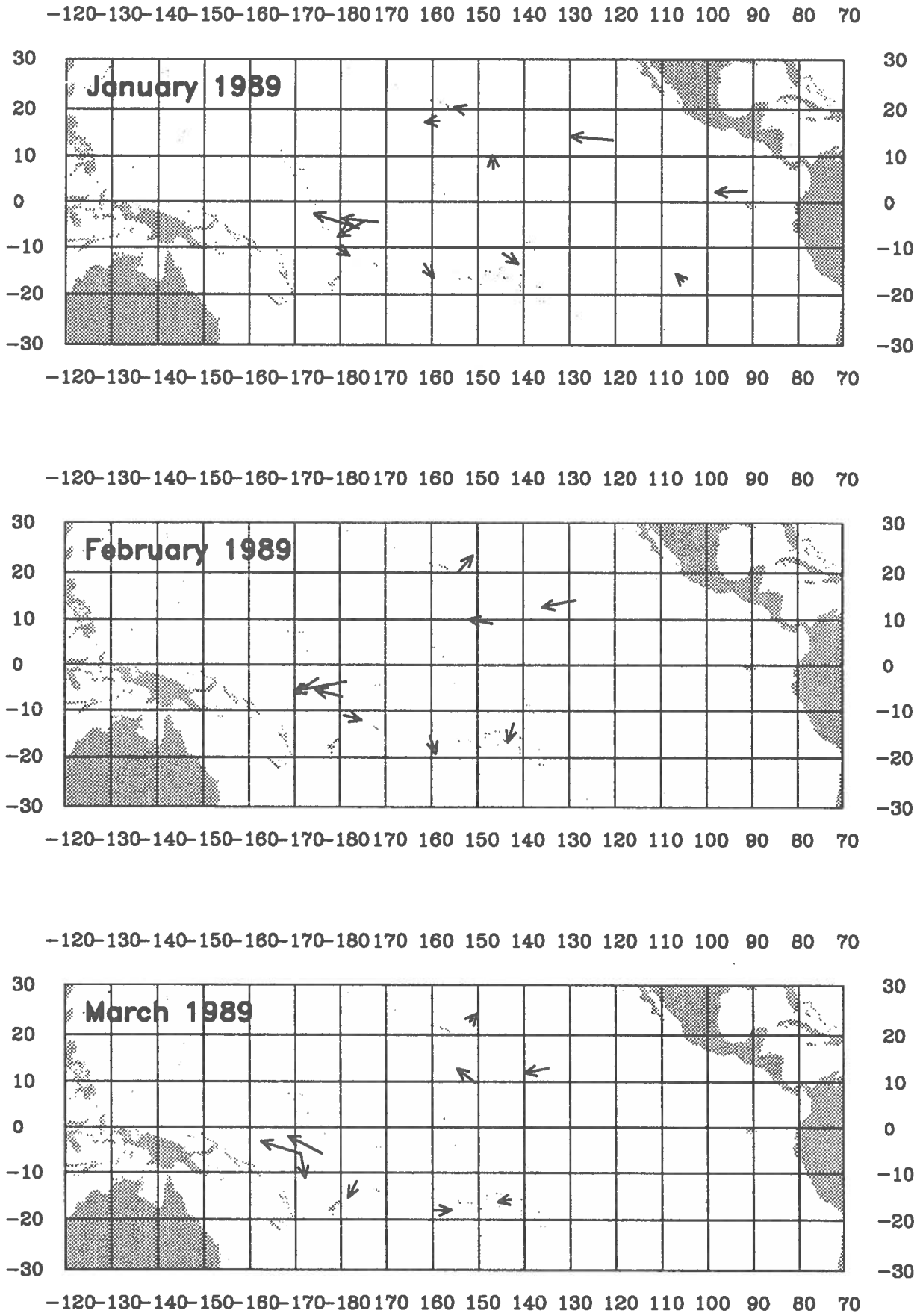

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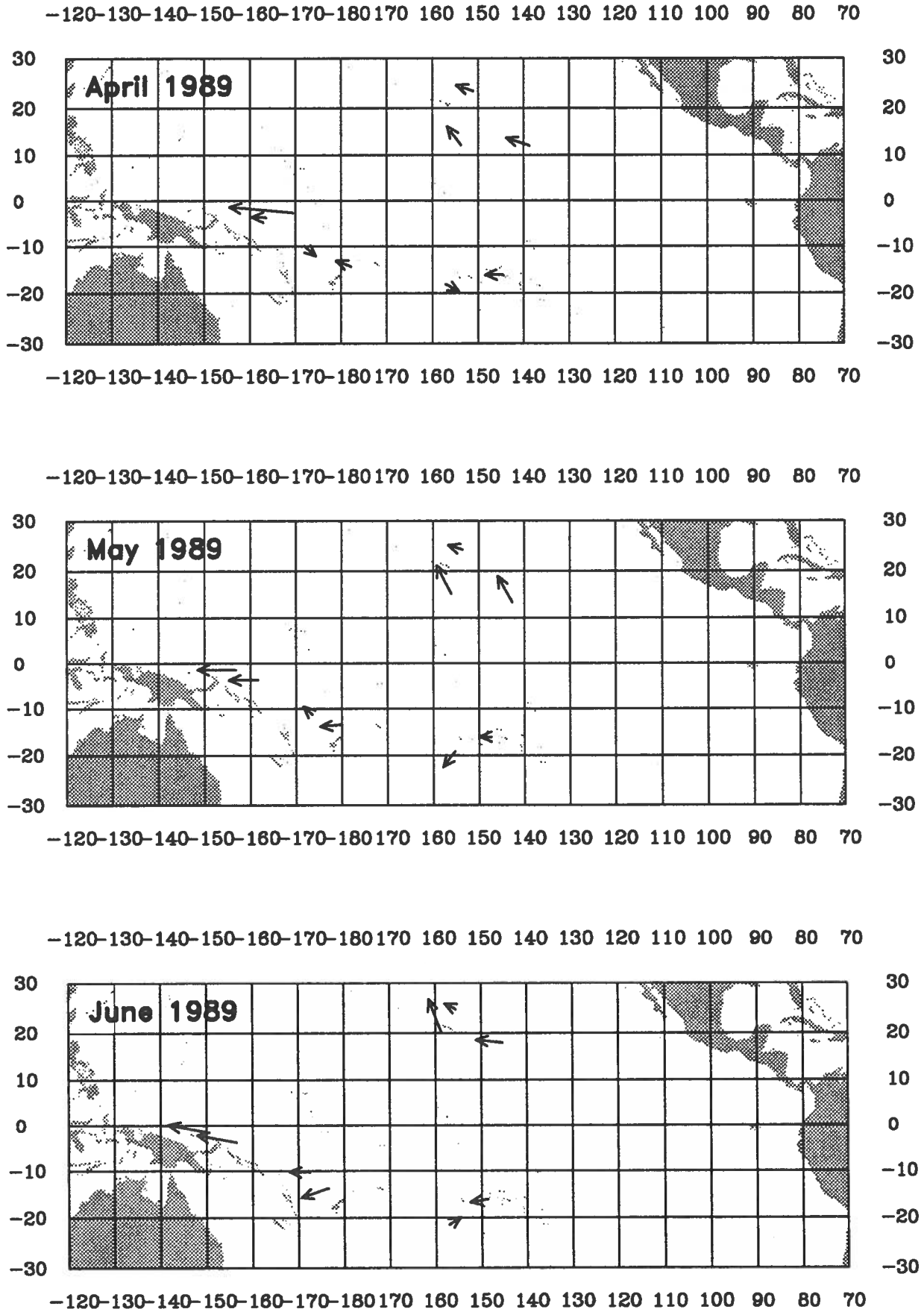
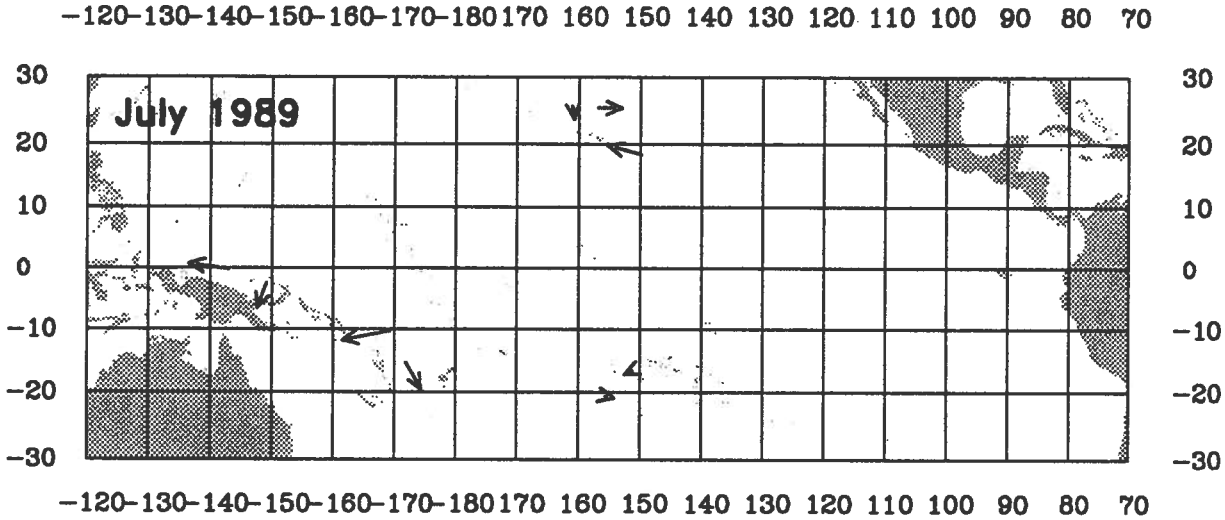
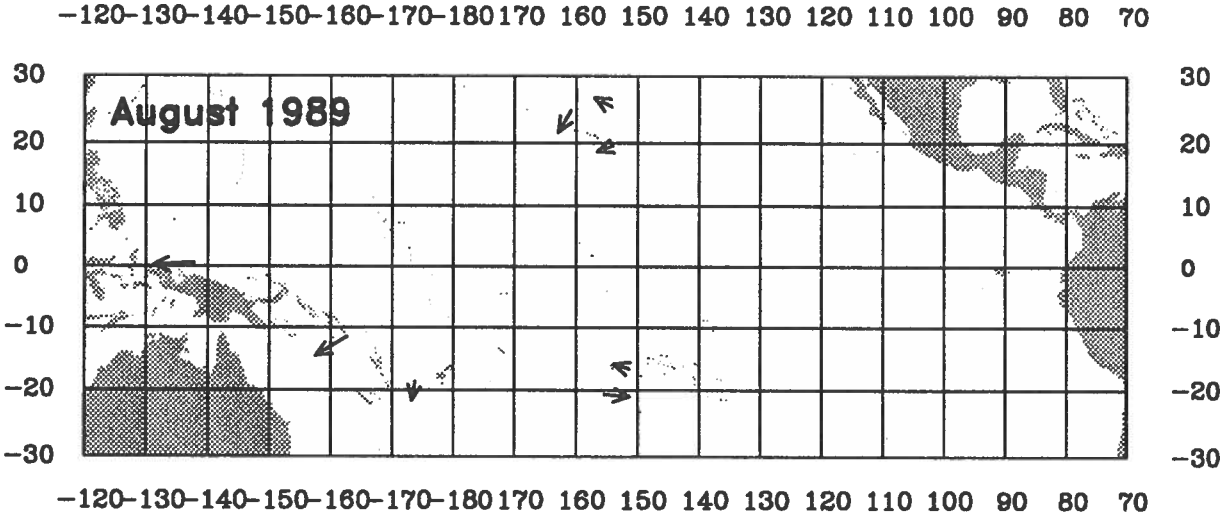


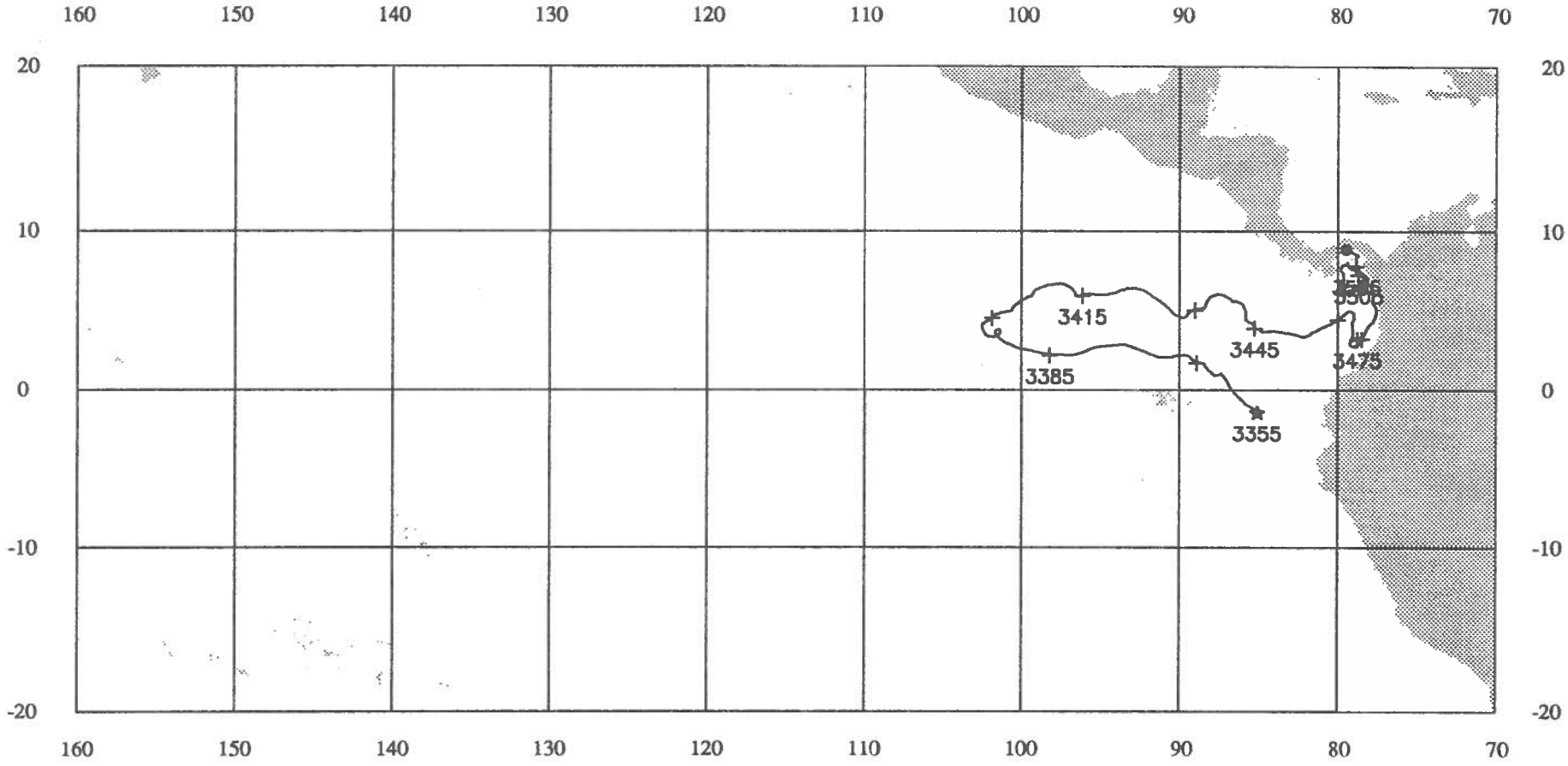
MONTHLY DISPLACEMENT OF BUOYS





MONTHLY DISPLACEMENT OF BUOYS

BUOY 2986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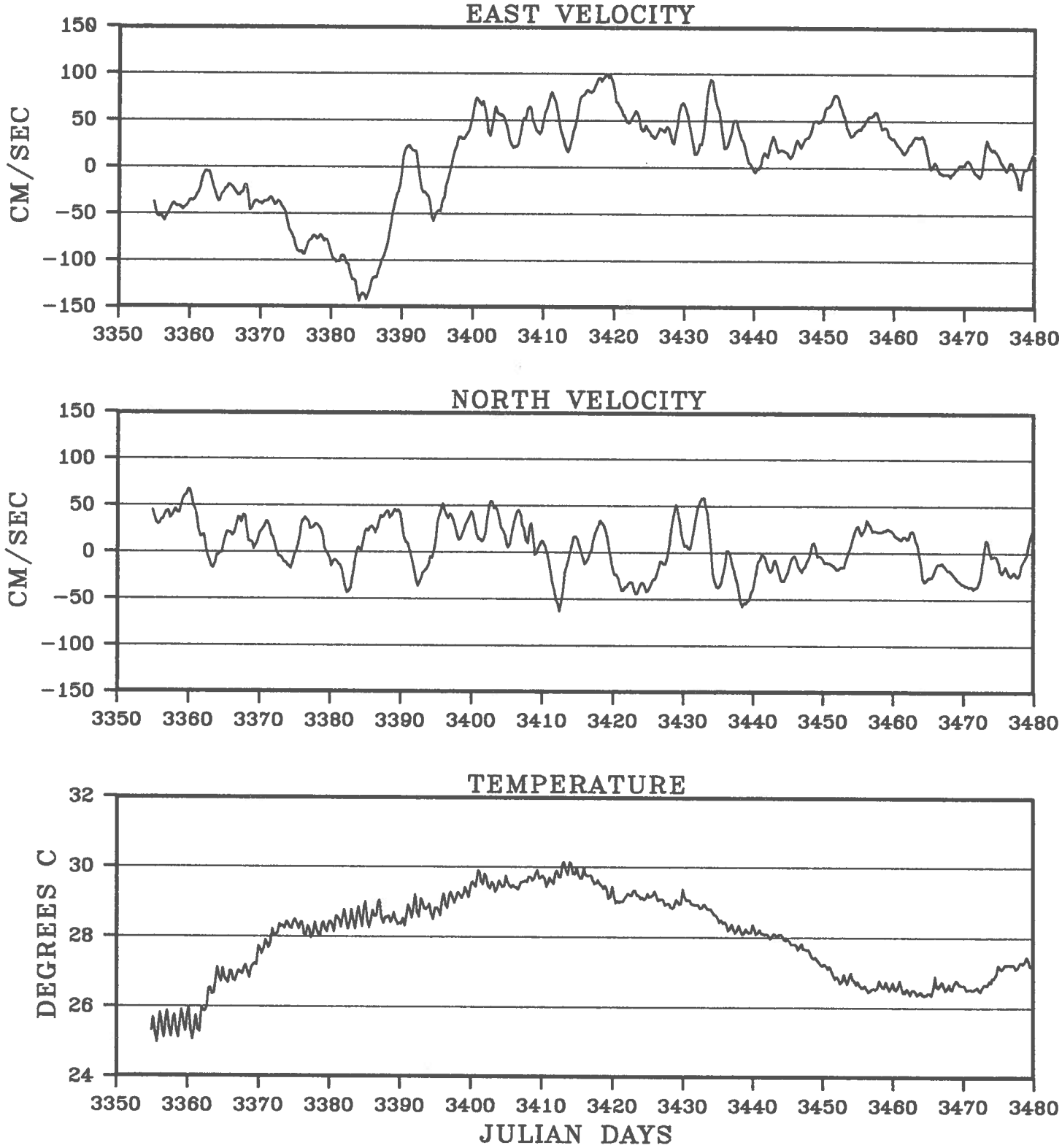
BUOY 2986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-50
-100
-150
3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480
NORTH VELOCITY
CM/SEC
150
100
50
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-50
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TEMPERATURE
DEGREES C
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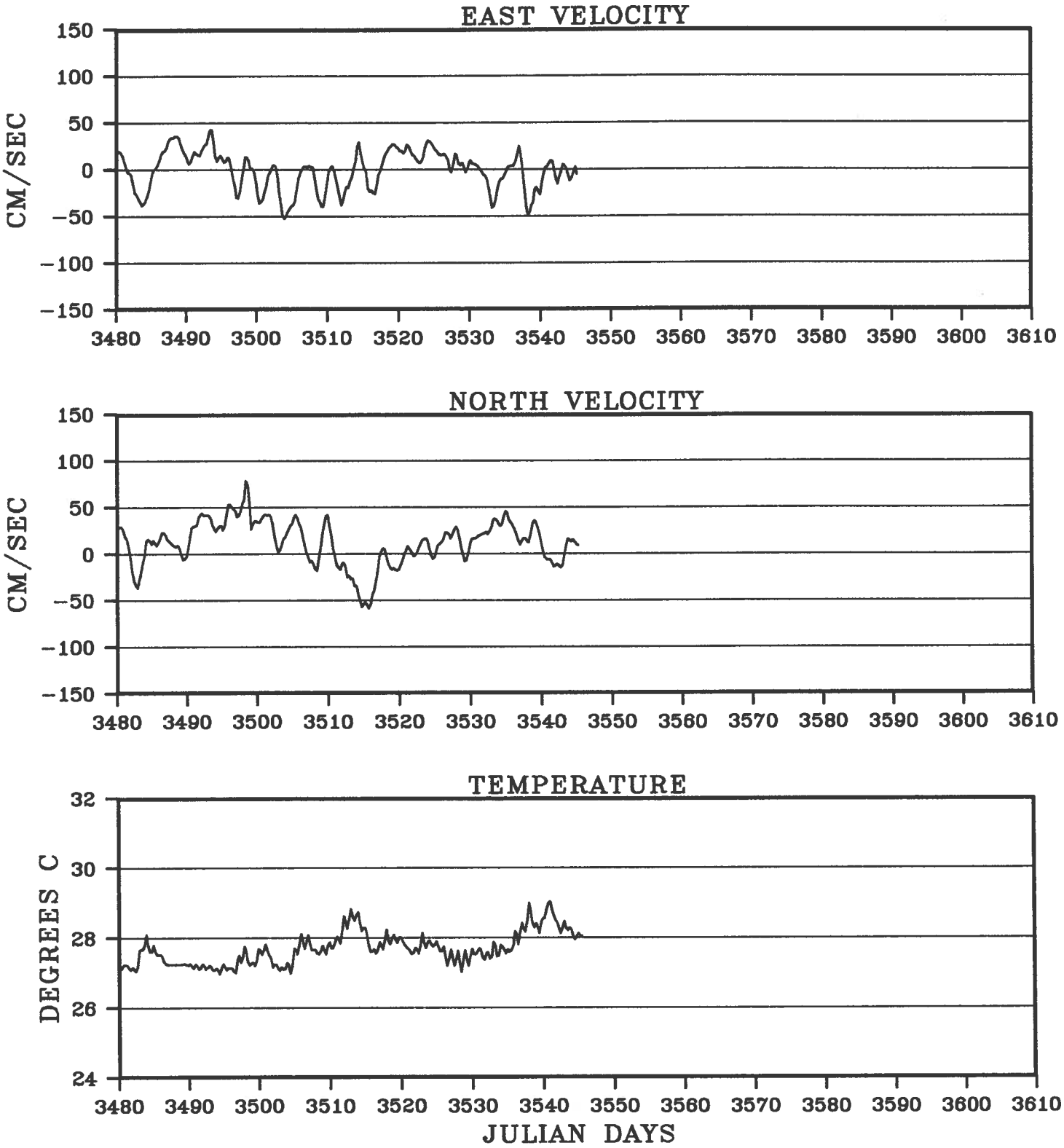
JULIAN DAYS

BUOY 2986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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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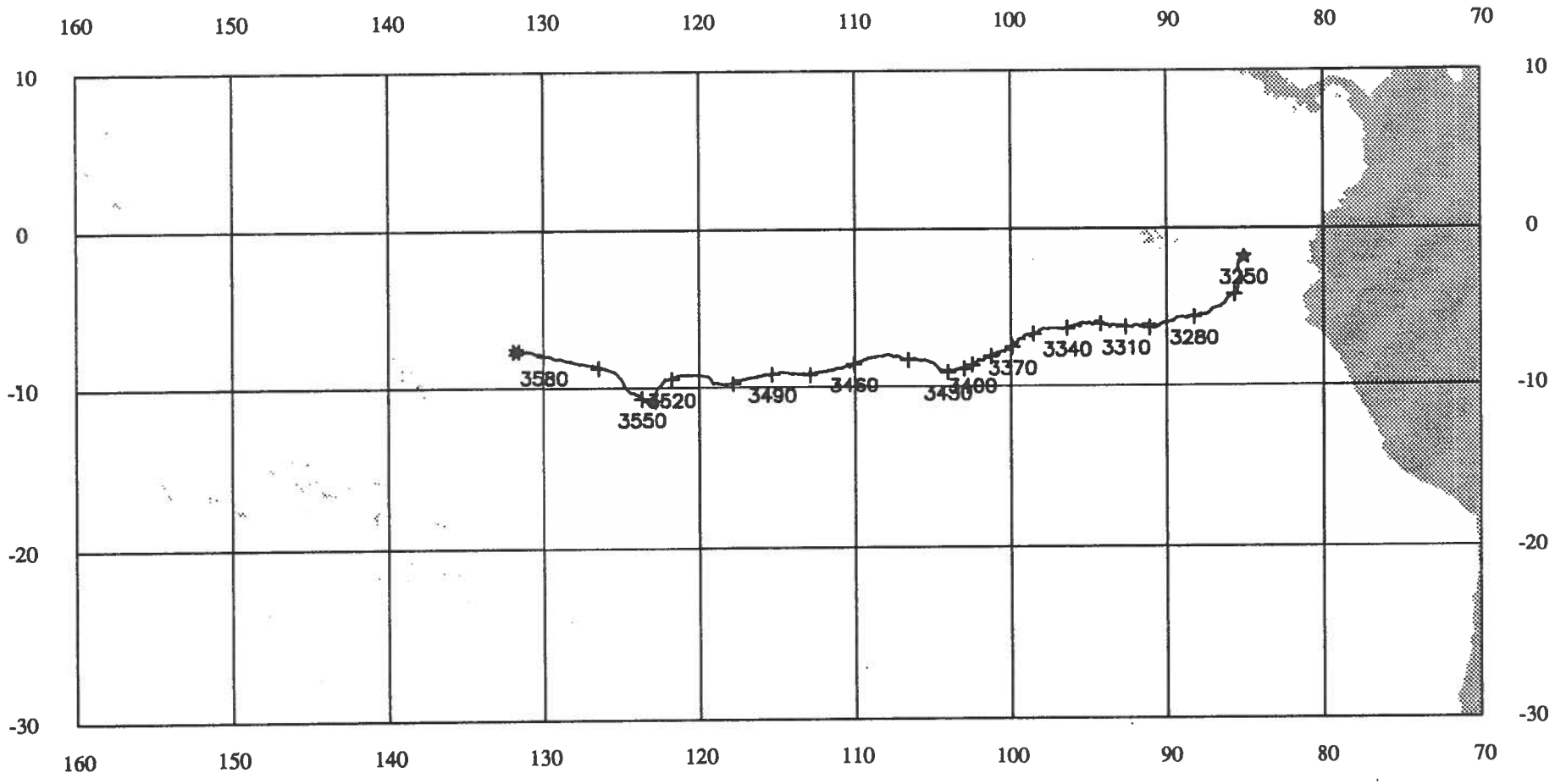
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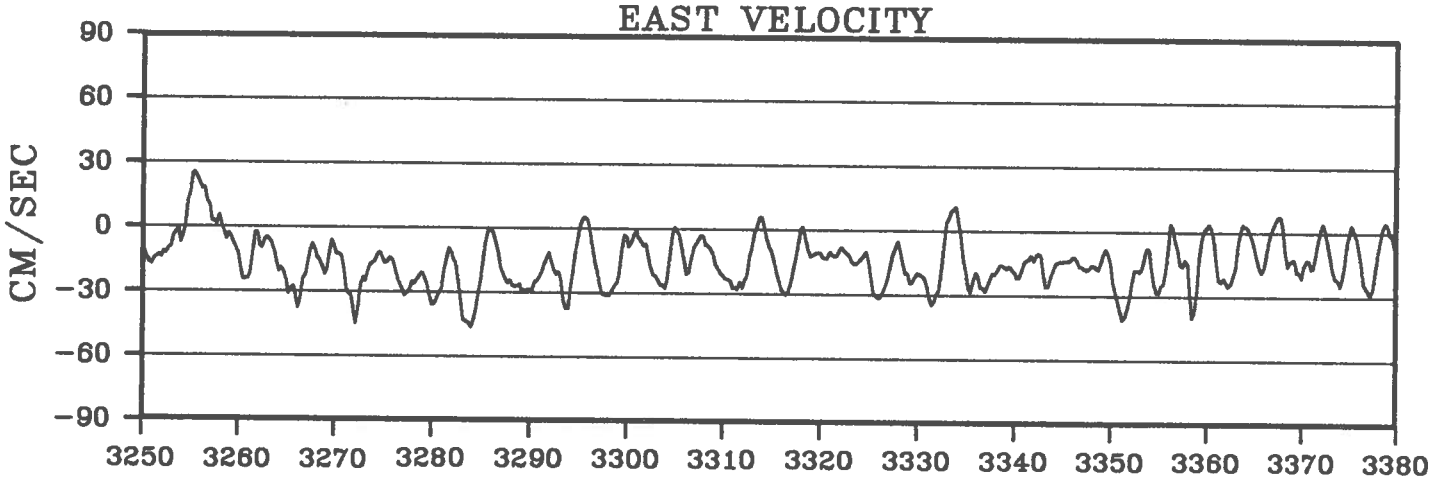
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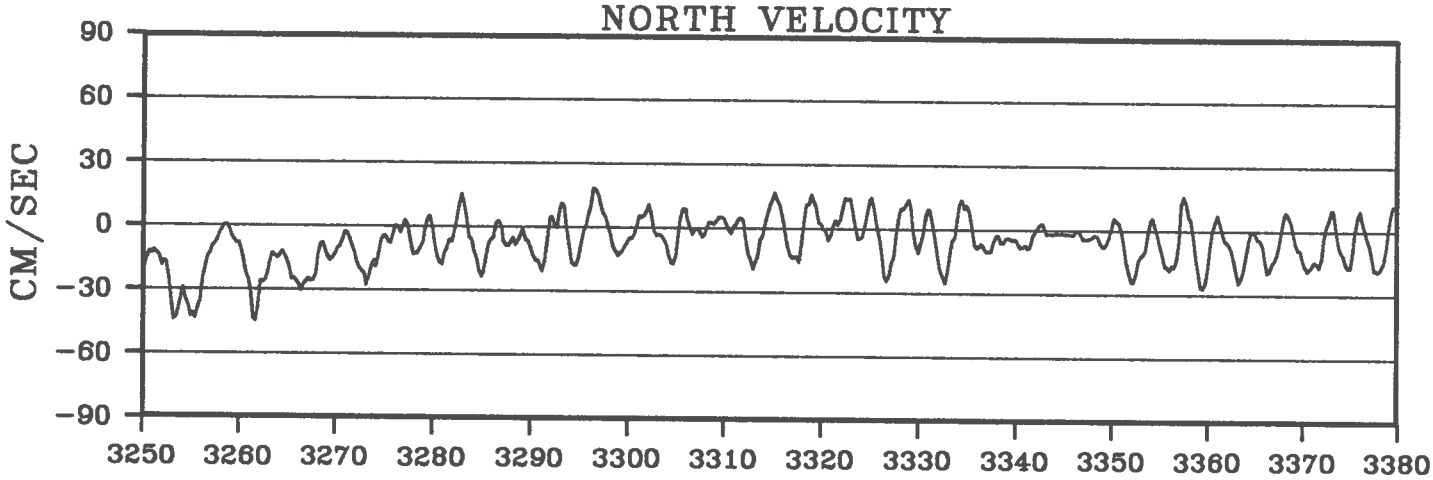
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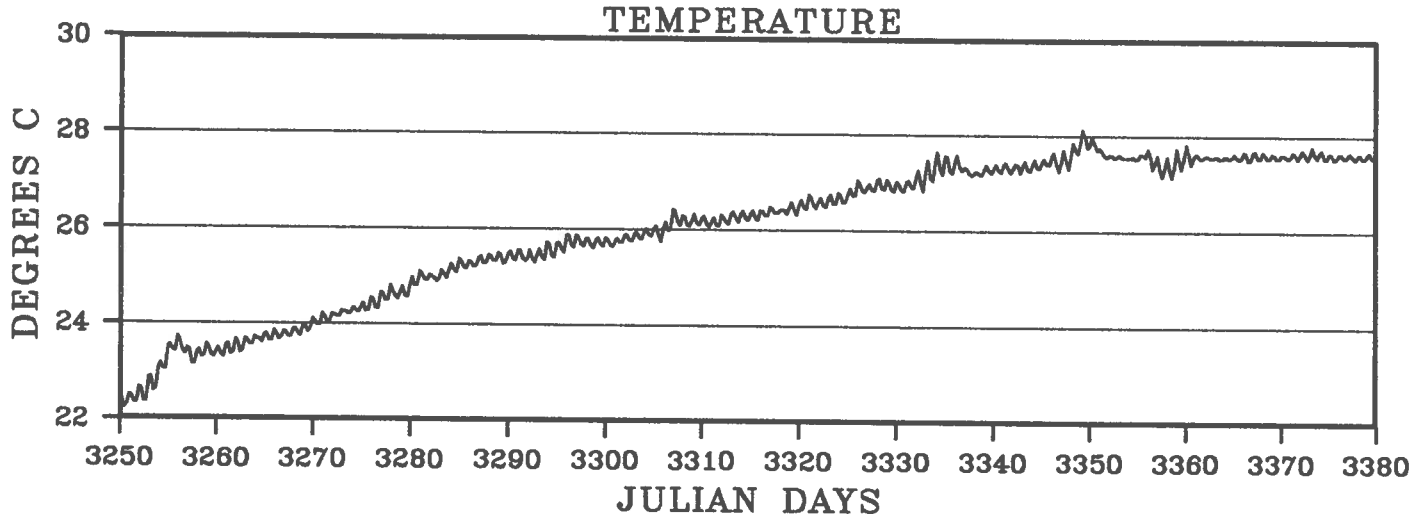
TEMPERATURE
DEGREES C
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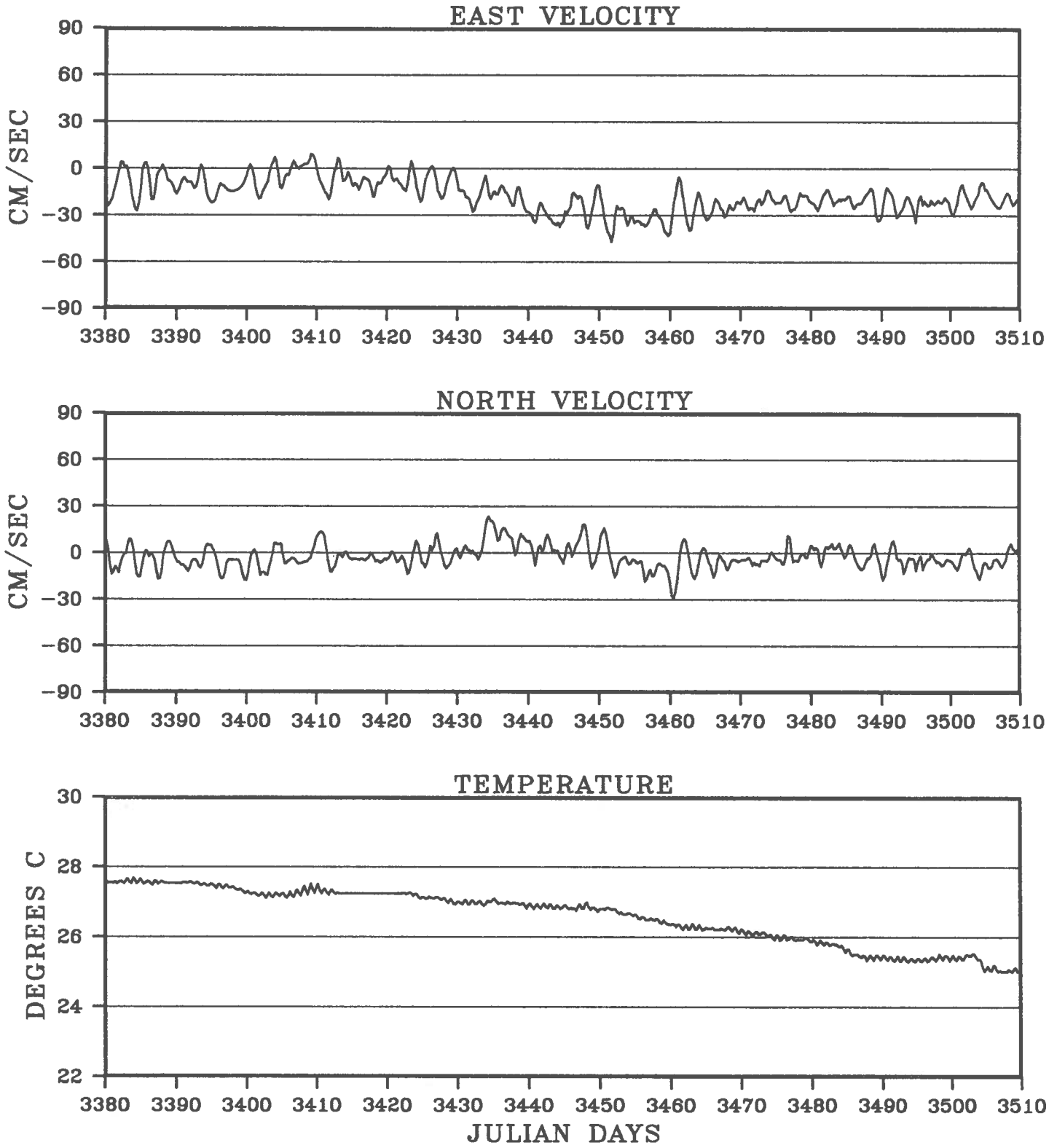
JULIAN DAYS

BUOY 2987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NORTH VELOCITY
CM/SEC
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60
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-30
-60
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3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510
TEMPERATURE
DEGREES C
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JULIAN DAYS

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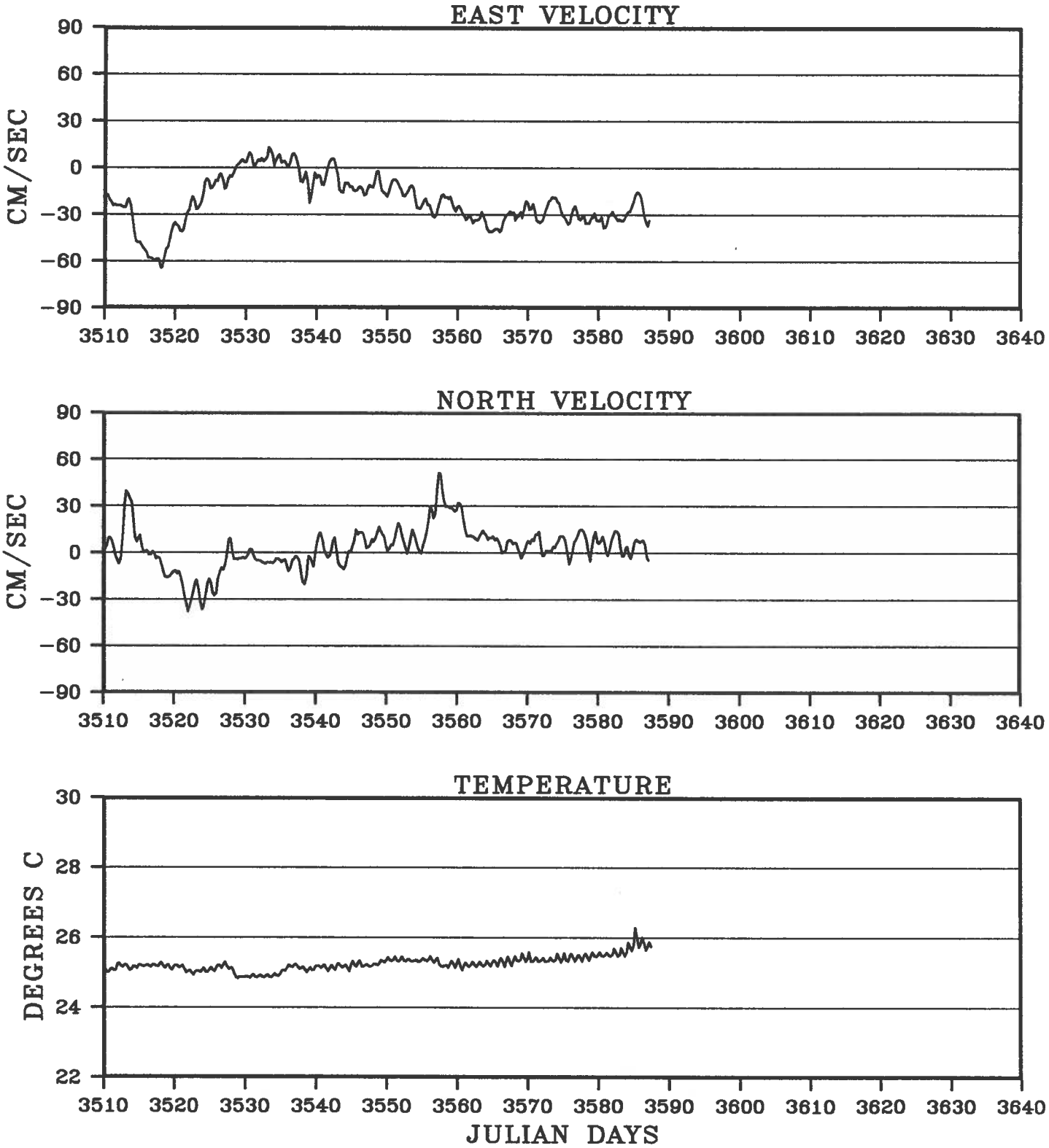
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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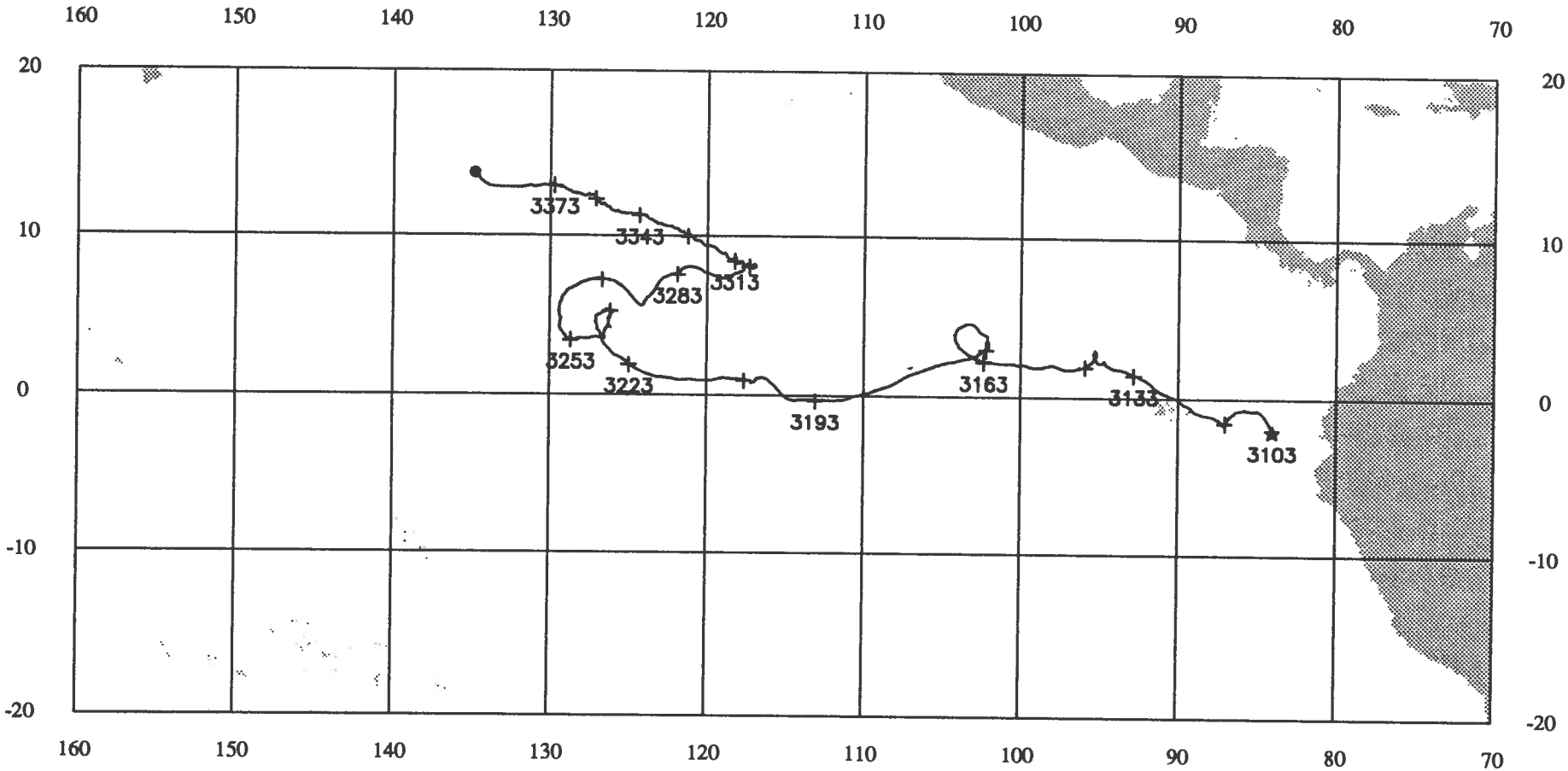
JULIAN DAYS

BUOY 2988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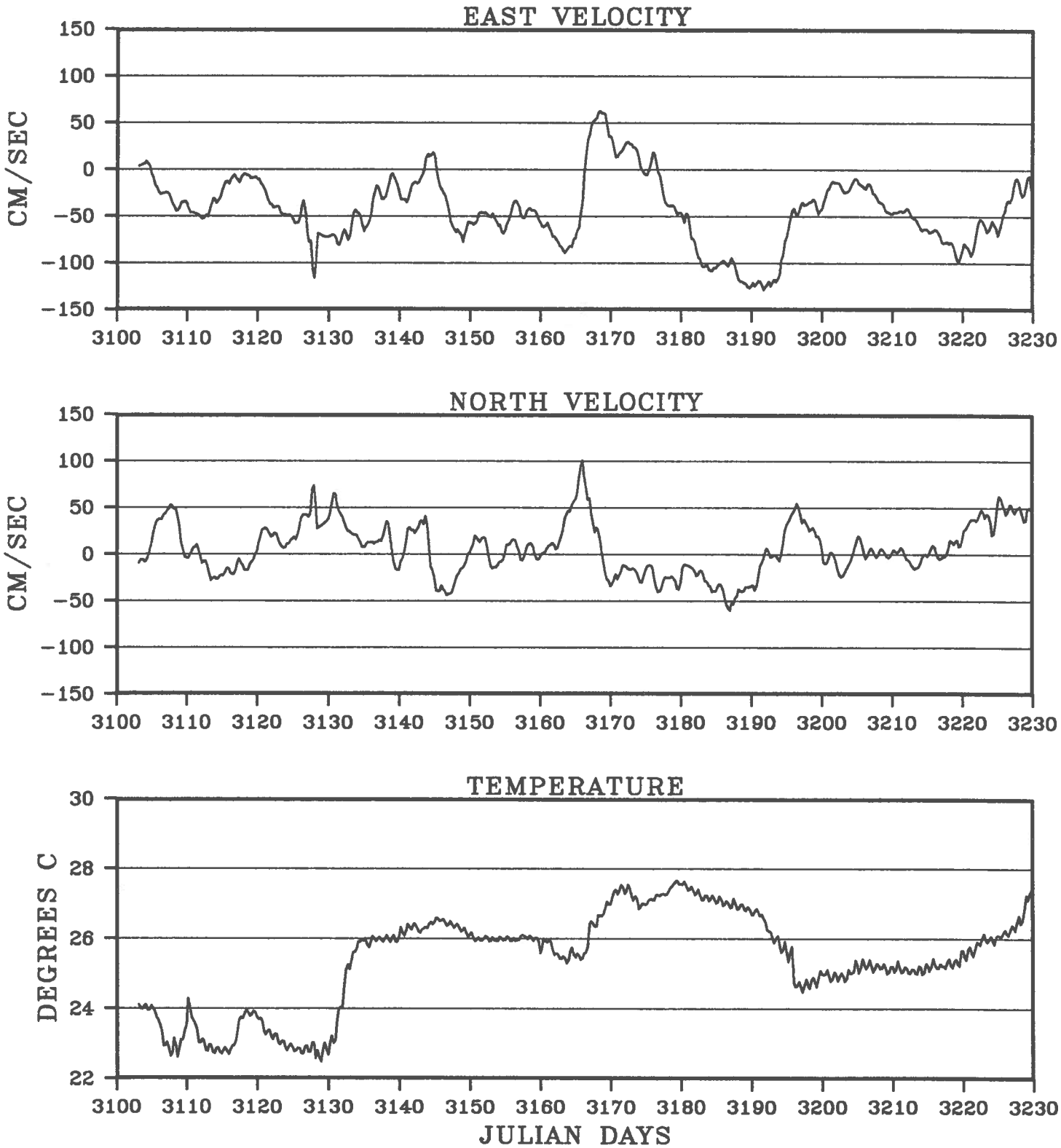
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CM/SEC
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NORTH VELOCITY
CM/SEC
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3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230
TEMPERATURE
DEGREES C
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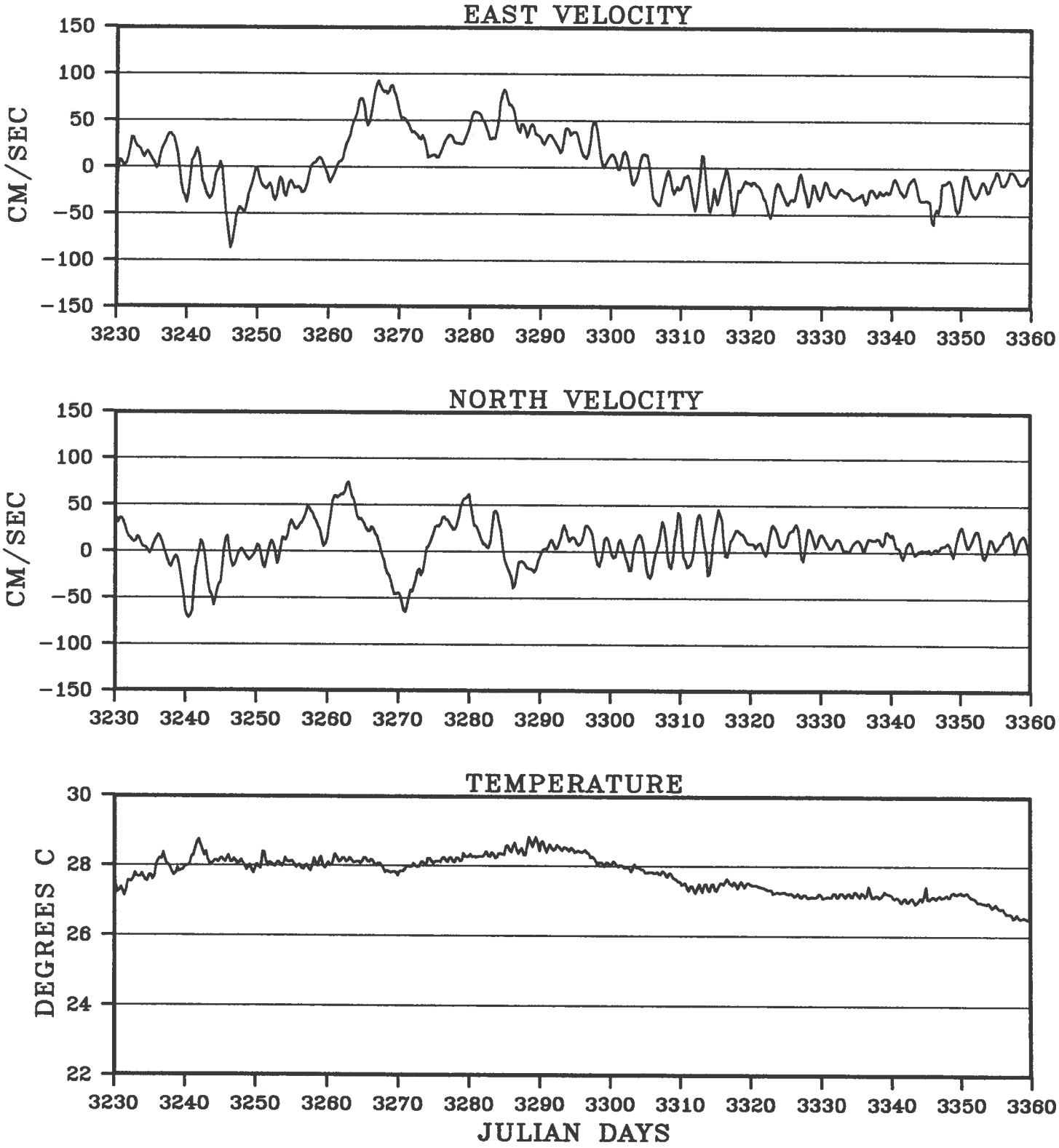
JULIAN DAYS

BUOY 2988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NORTH VELOCITY
CM/SEC
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100
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0
−50
−100
−150
3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360
TEMPERATURE
DEGREES C
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JULIAN DAYS

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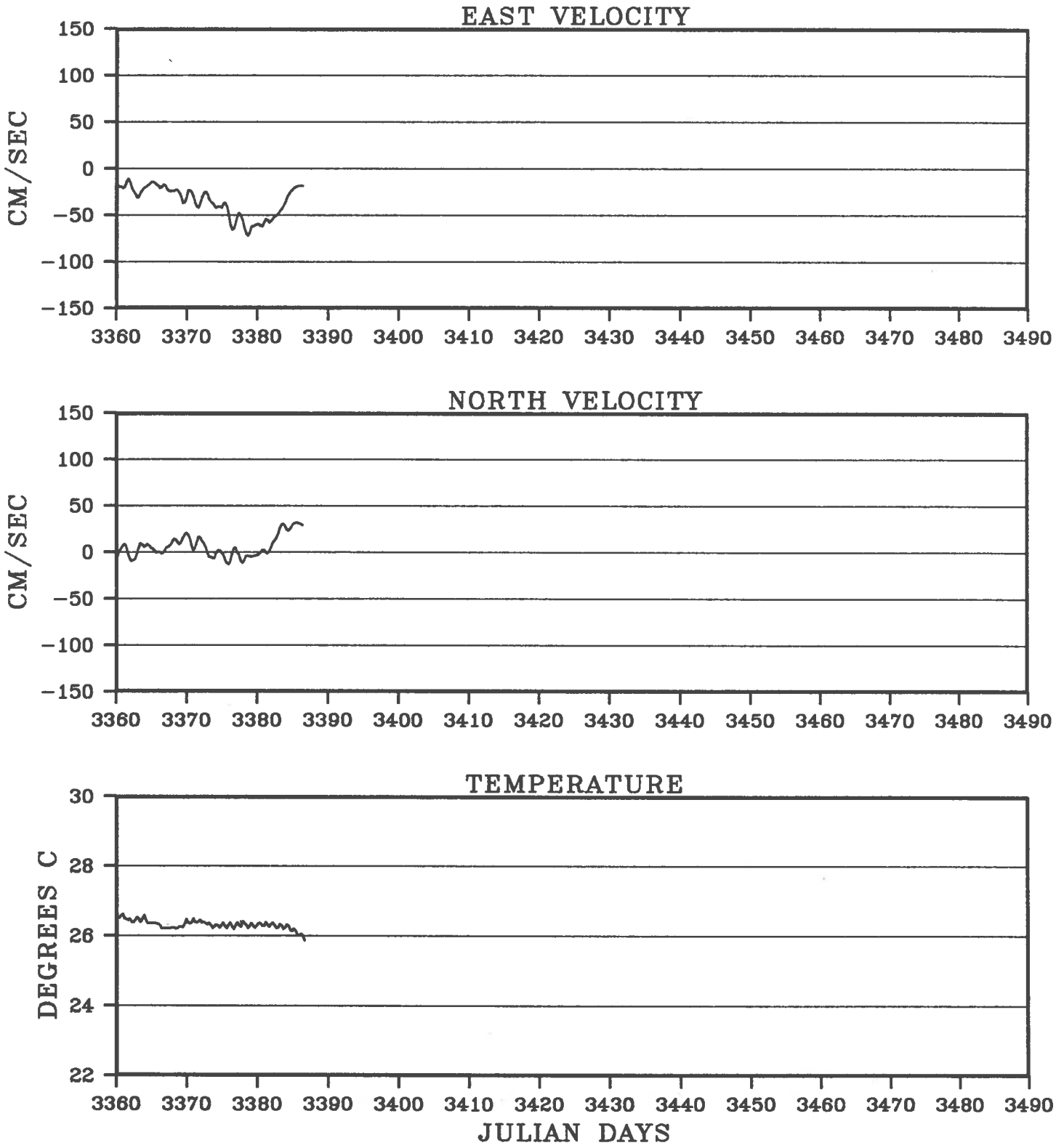
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NORTH VELOCITY
CM/SEC
150
100
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−50
−100
−150
3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490
TEMPERATURE
DEGREES C
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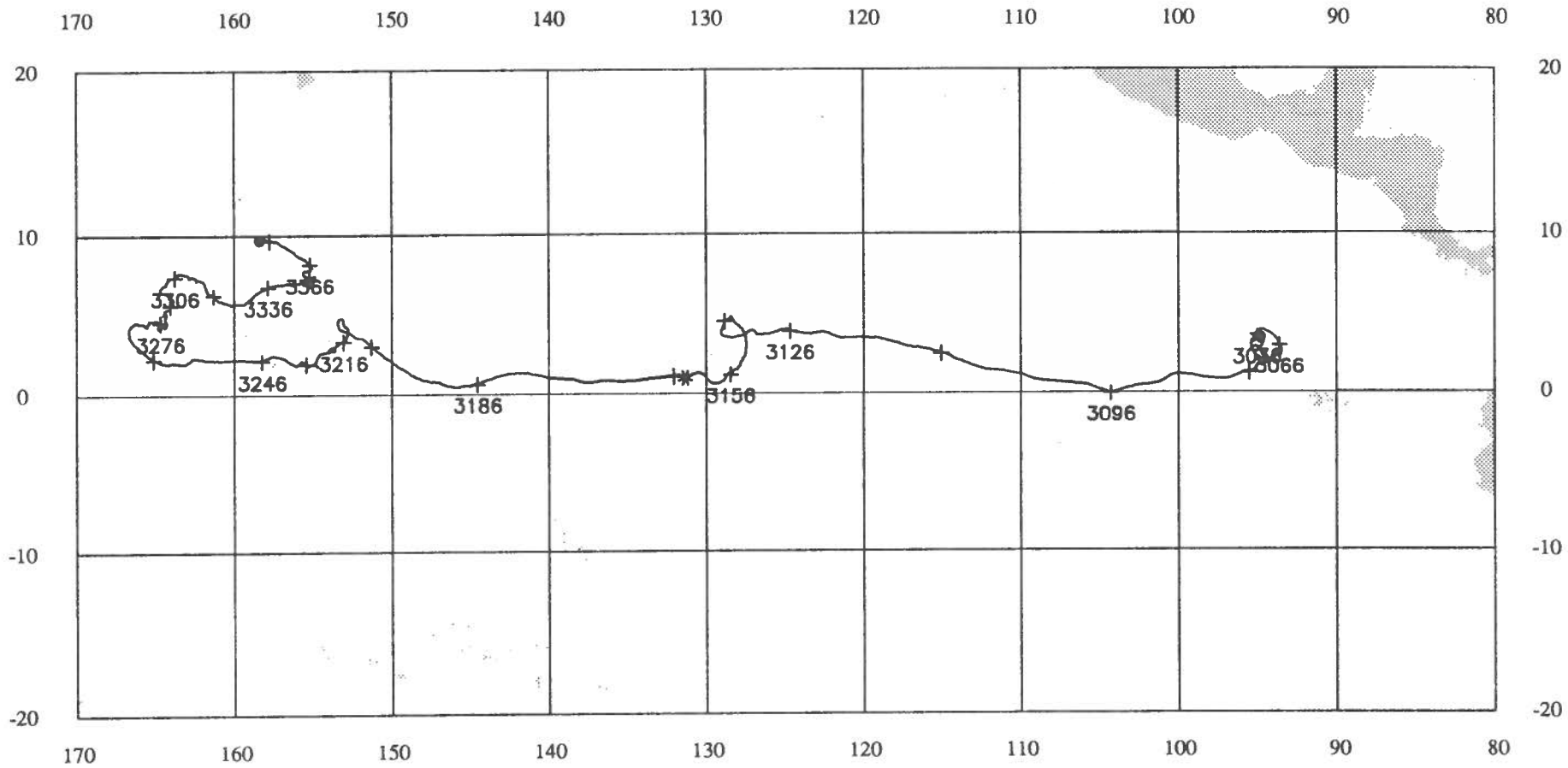
JULIAN DAYS

BUOY 3133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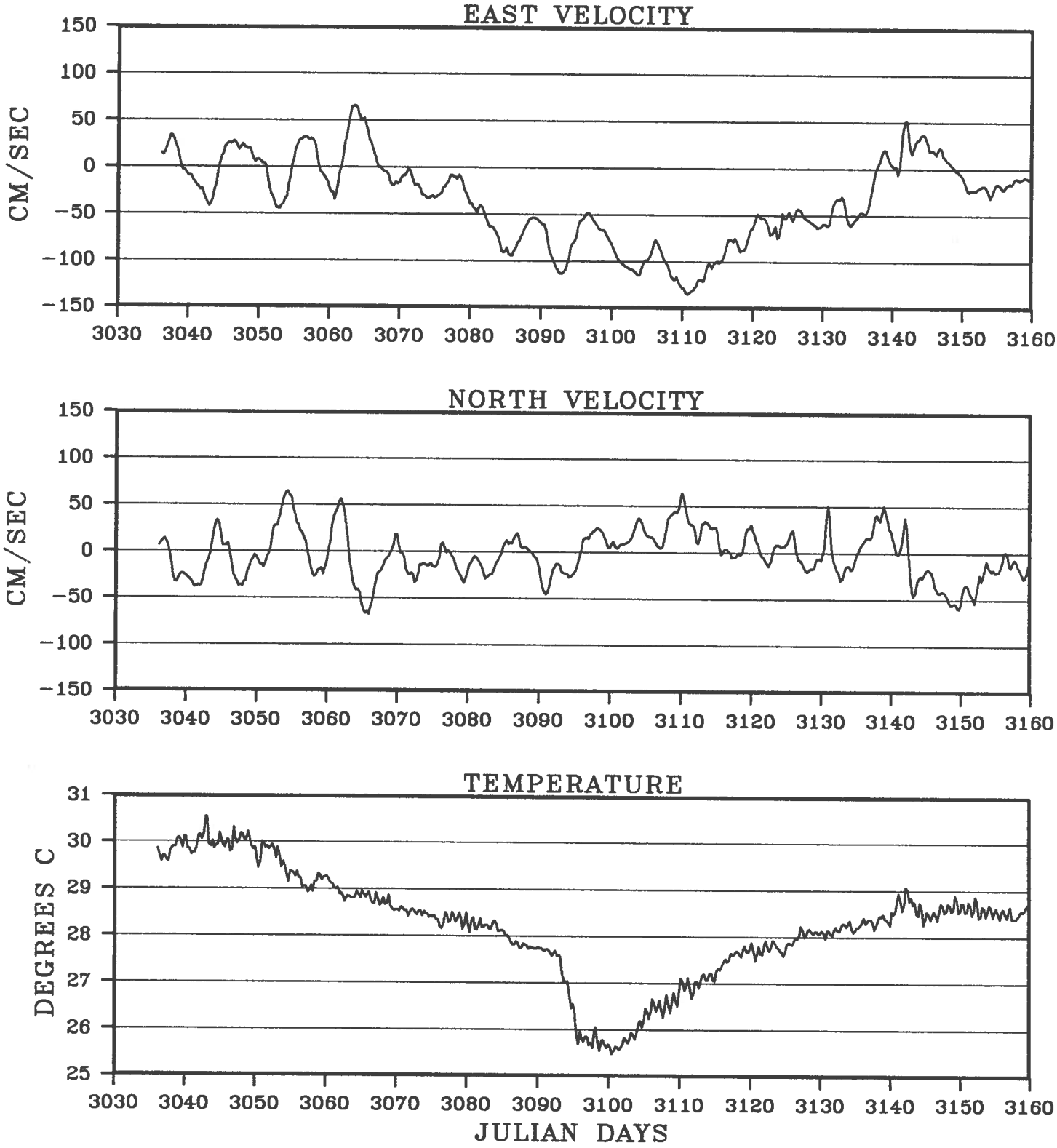
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NORTH VELOCITY
CM/SEC
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−150
3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160
TEMPERATURE
DEGREES C
31
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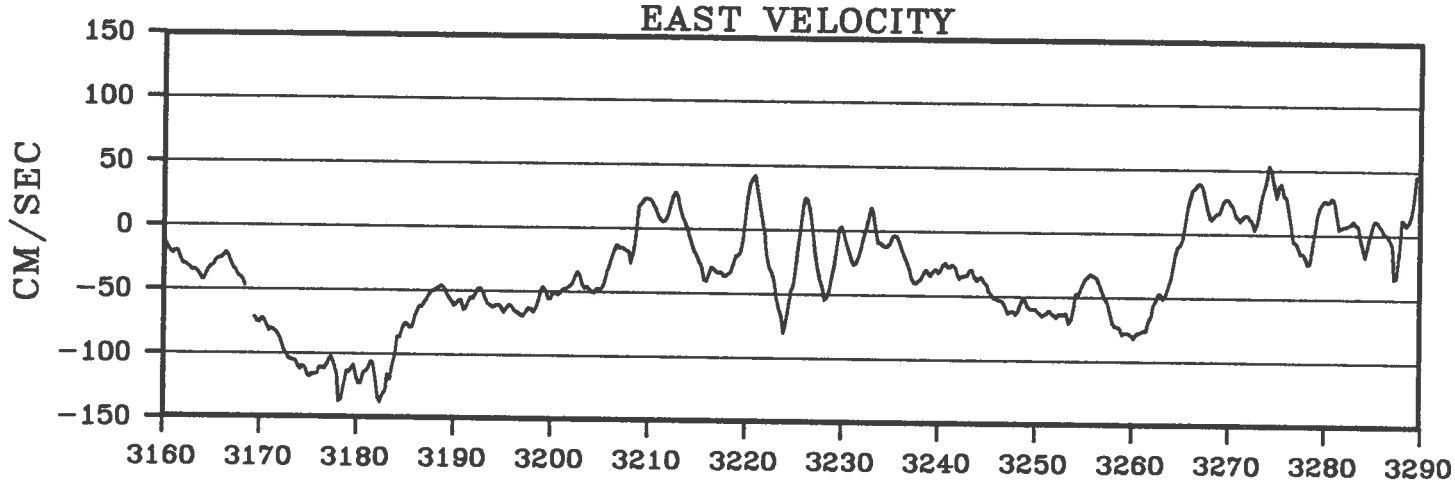
JULIAN DAYS

BUOY 3133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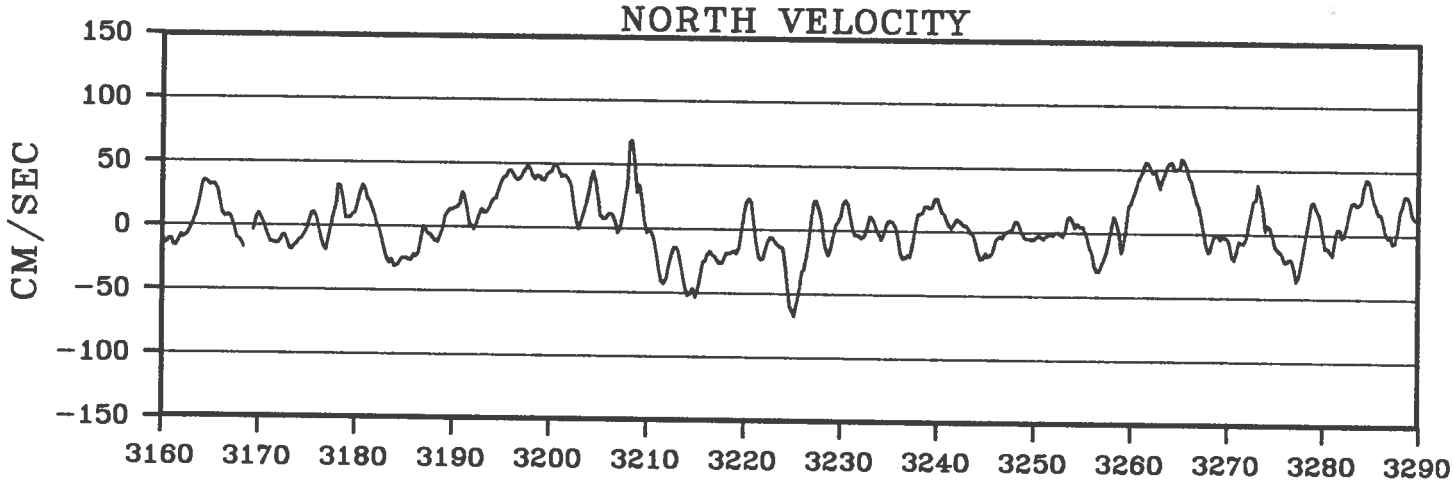
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CM/SEC
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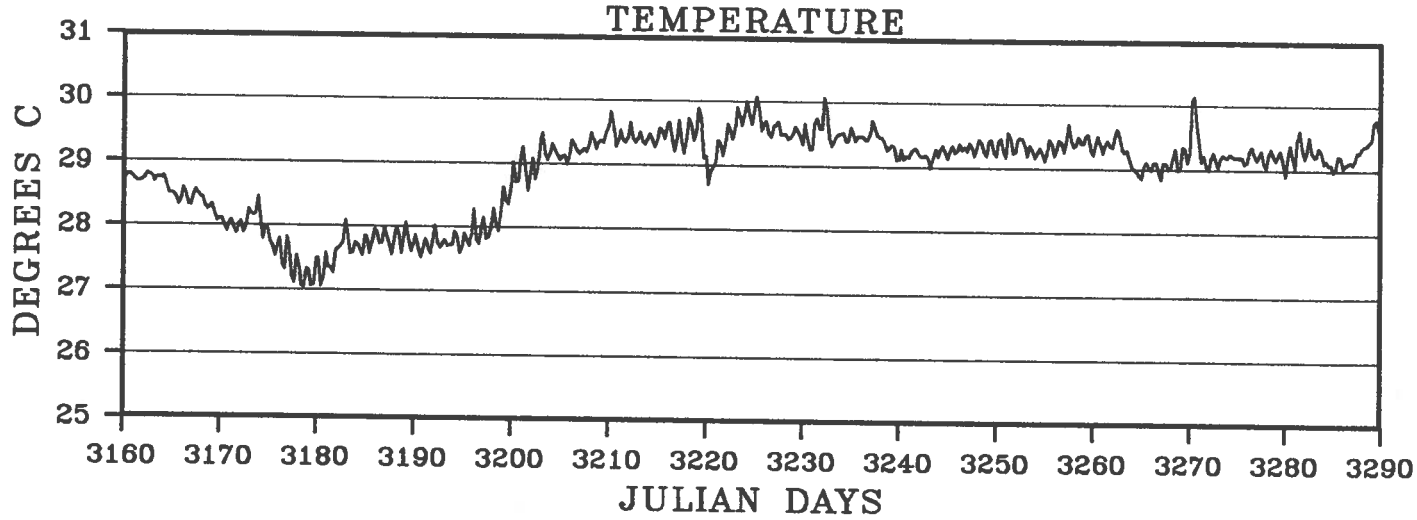
TEMPERATURE
DEGREES C
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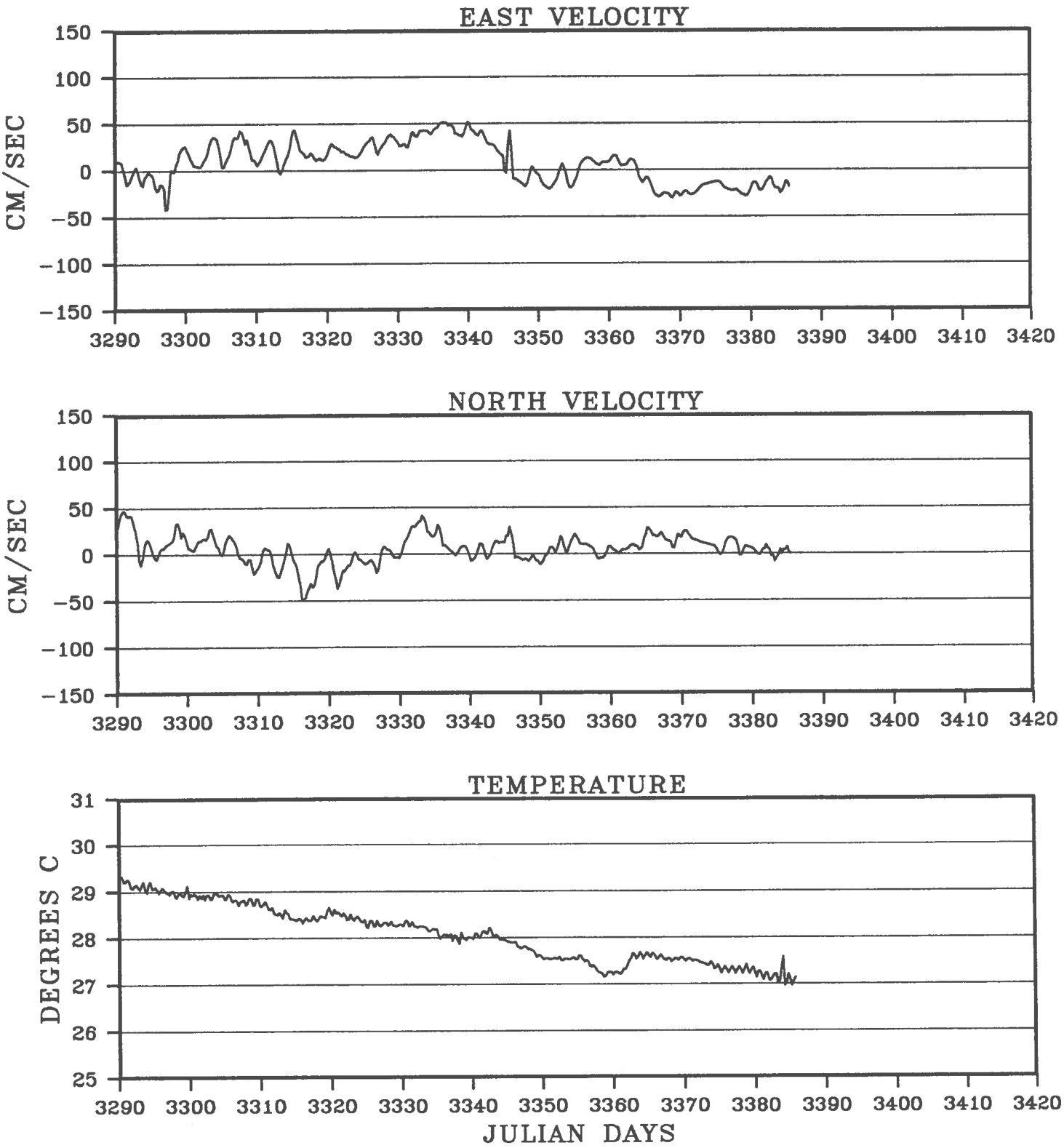
JULIAN DAYS

BUOY 3133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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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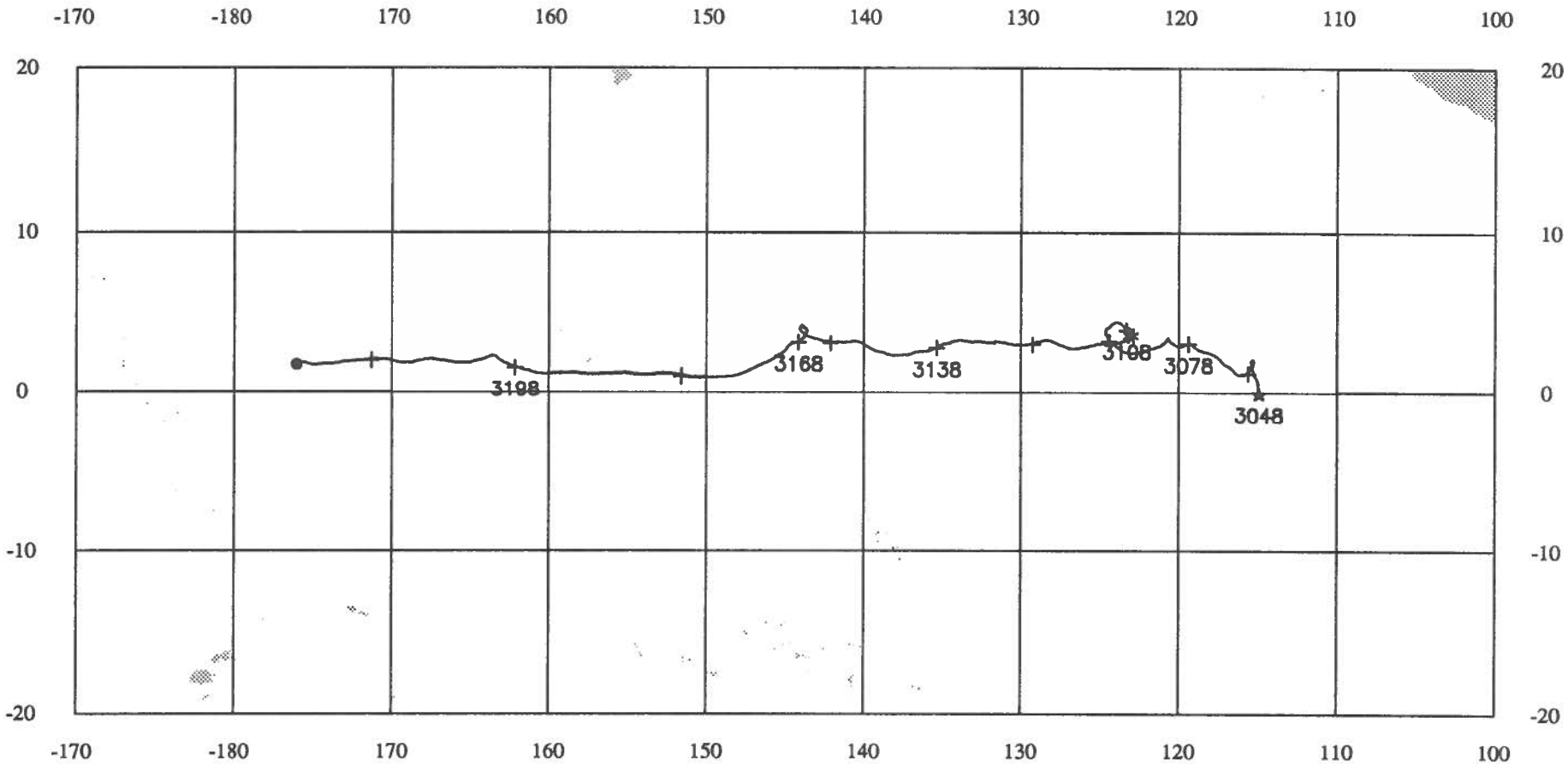
3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420
JULIAN DAYS

BUOY 3142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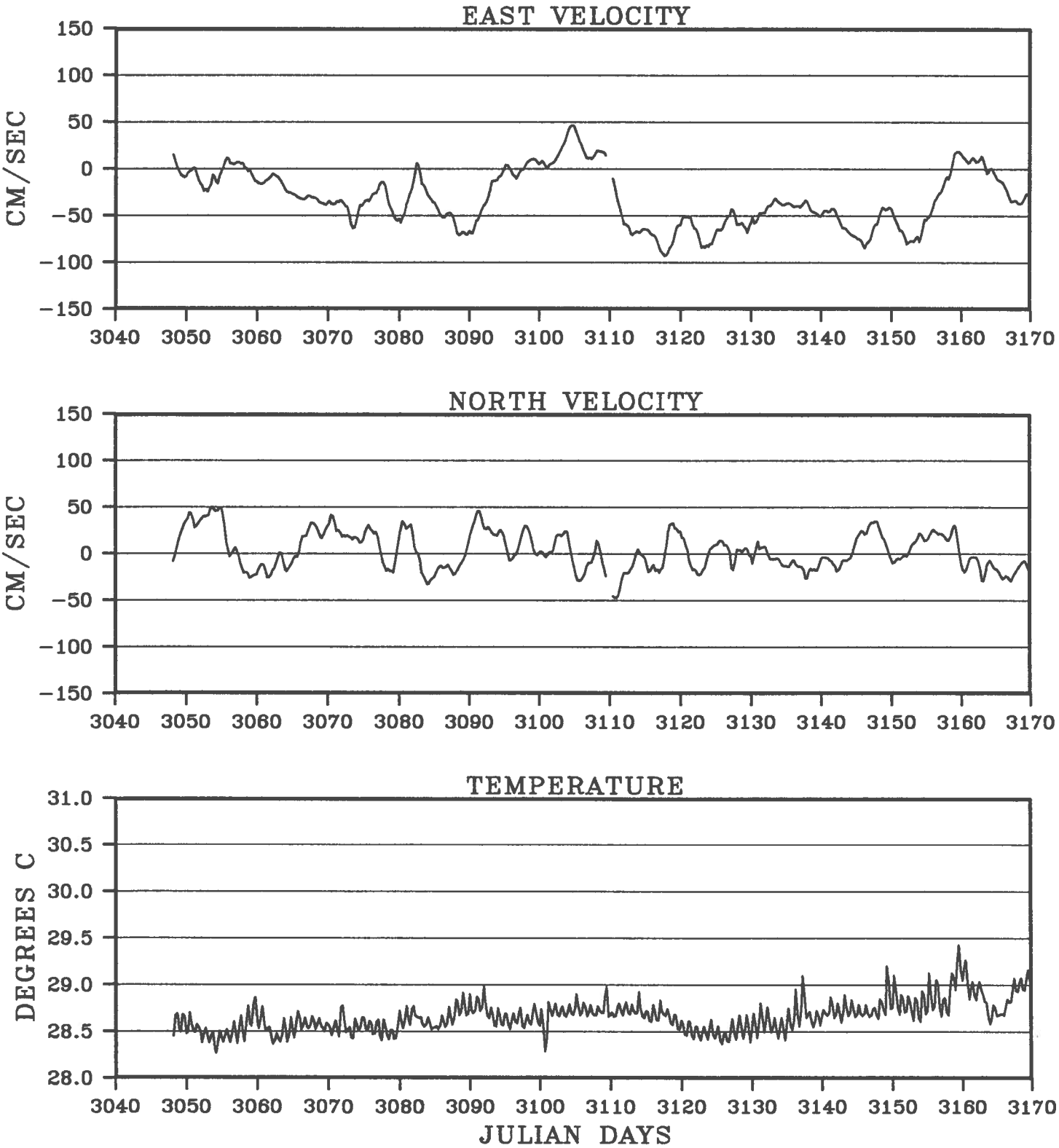
BUOY 3142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NORTH VELOCITY
CM/SEC
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−100
−150
3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170
TEMPERATURE
DEGREES C
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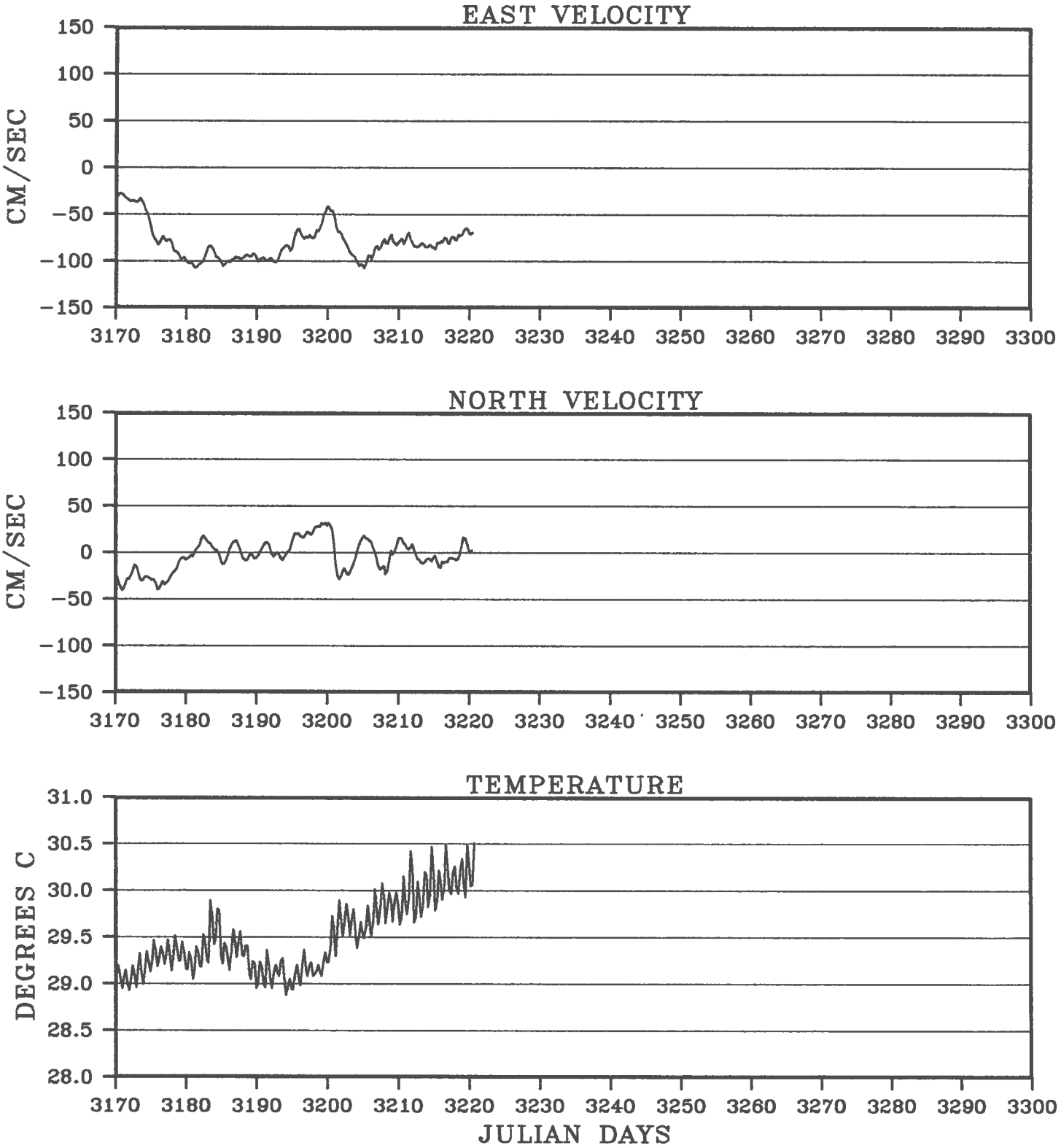
JULIAN DAYS

BUOY 3142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NORTH VELOCITY
CM/SEC
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3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300
TEMPERATURE
DEGREES C
31.0
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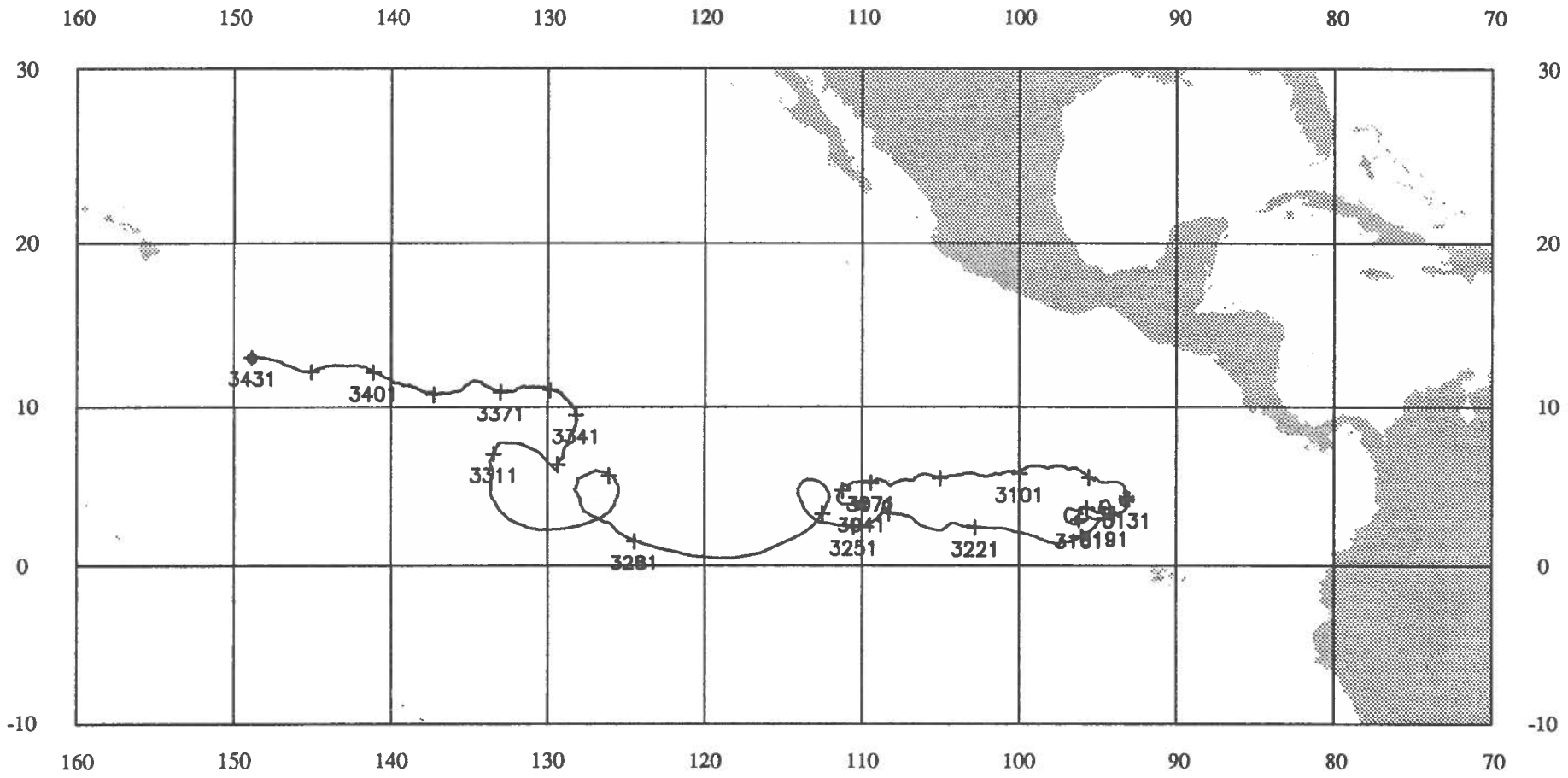
JULIAN DAYS

BUOY 4816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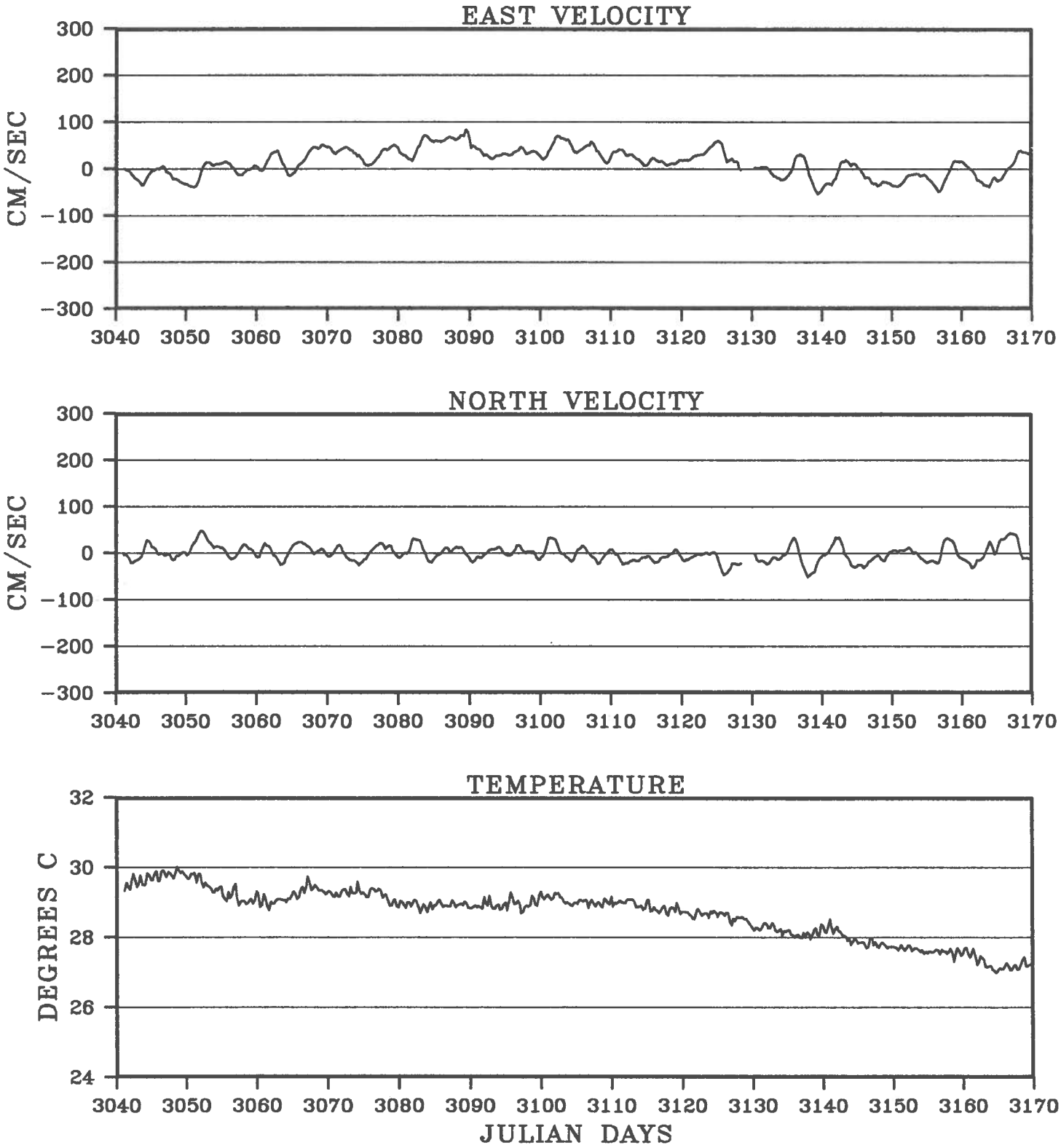
BUOY 4816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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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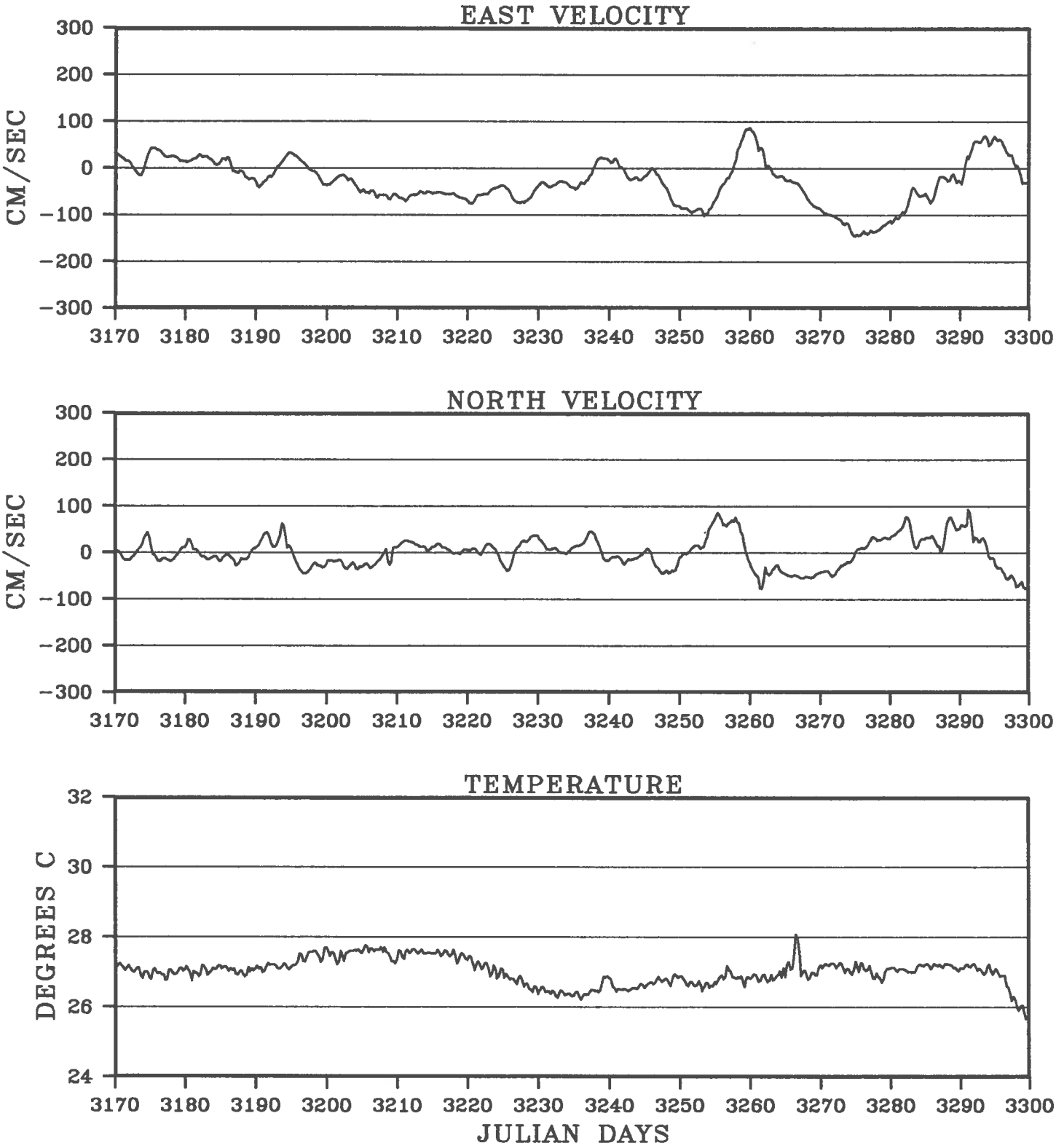
JULIAN DAYS

BUOY 4816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NORTH VELOCITY
CM/SEC
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3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300
TEMPERATURE
DEGREES C
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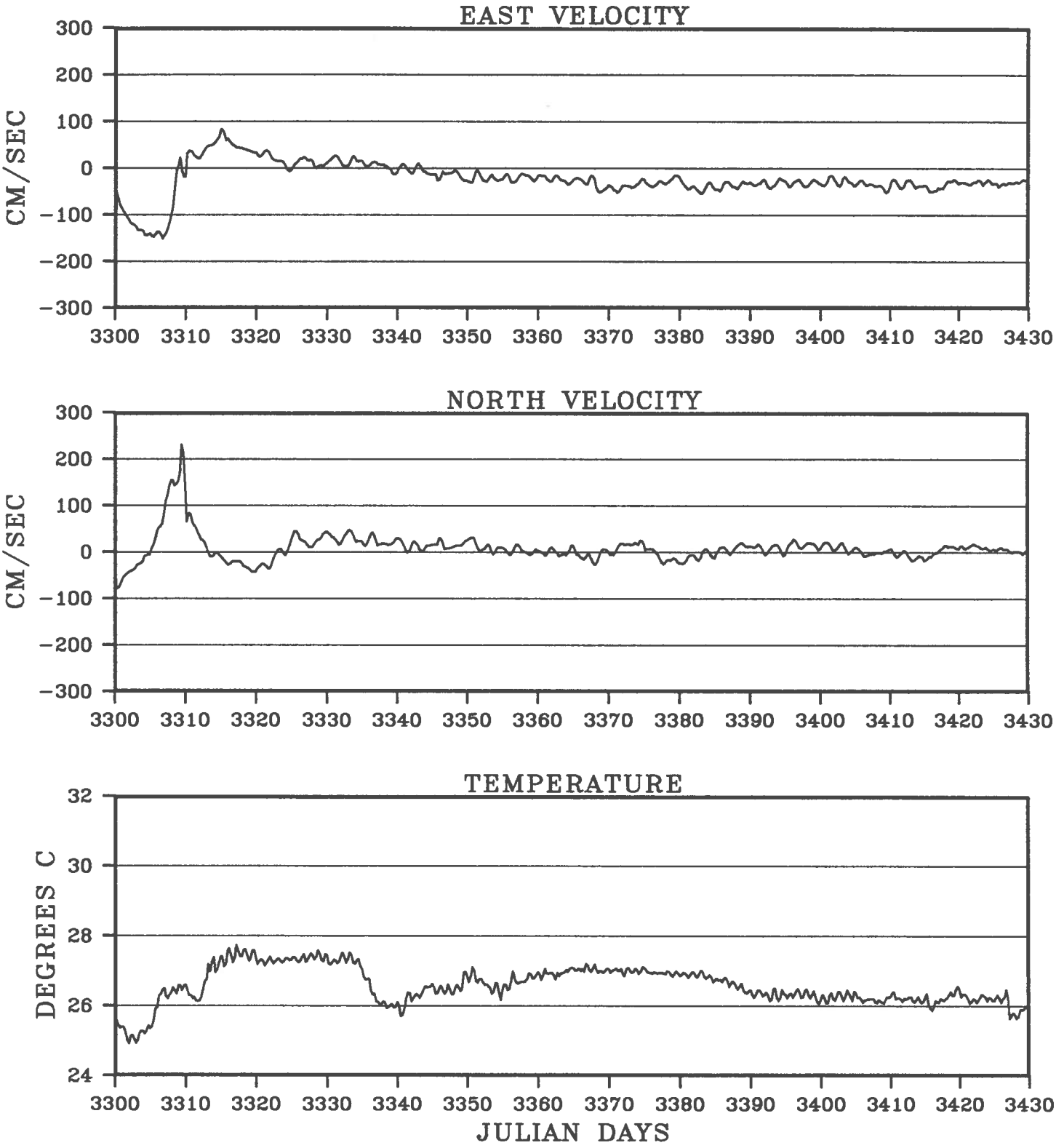
JULIAN DAYS

BUOY 4816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NORTH VELOCITY
CM/SEC
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3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430
TEMPERATURE
DEGREES C
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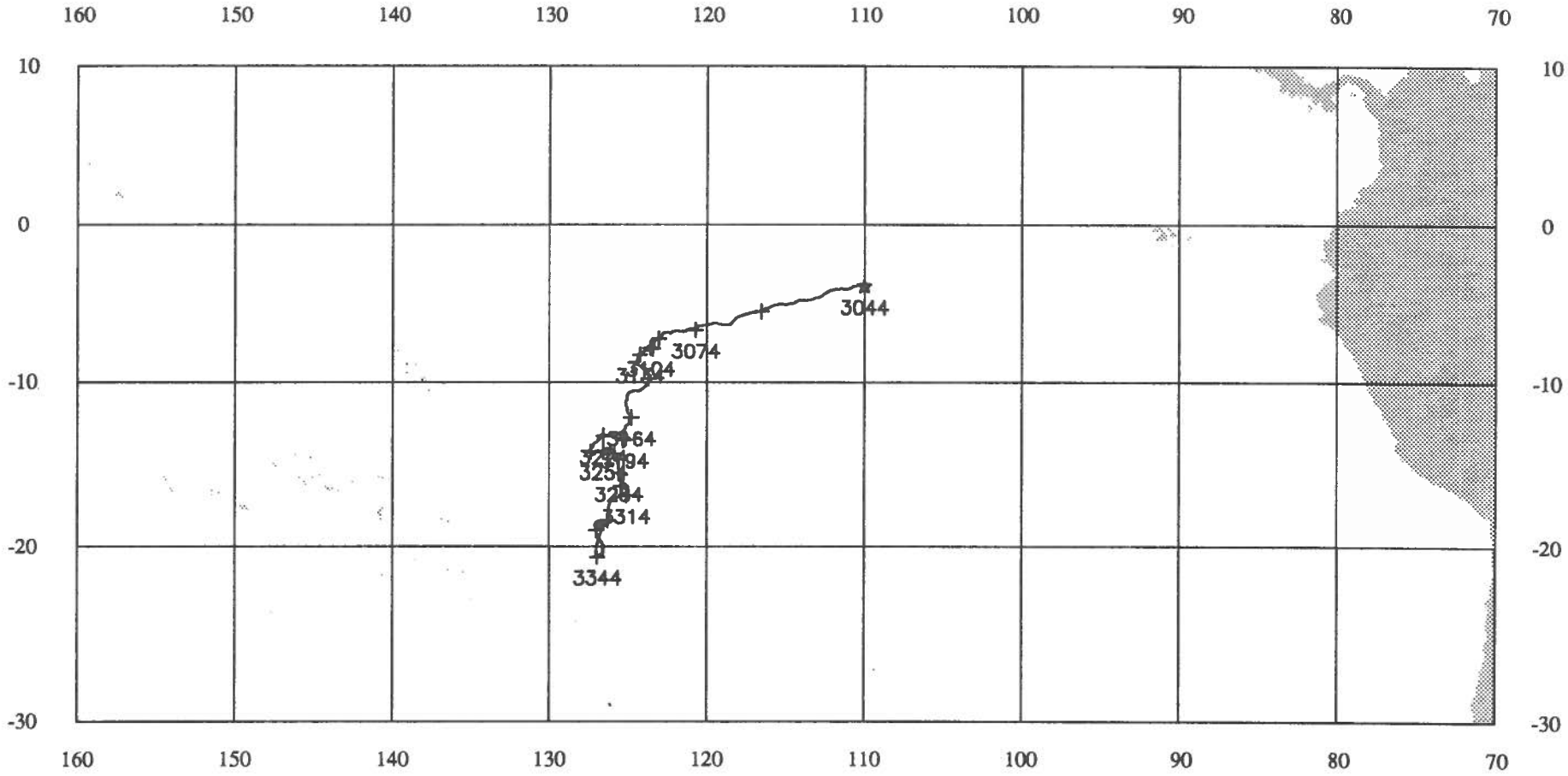
JULIAN DAYS

BUOY 4817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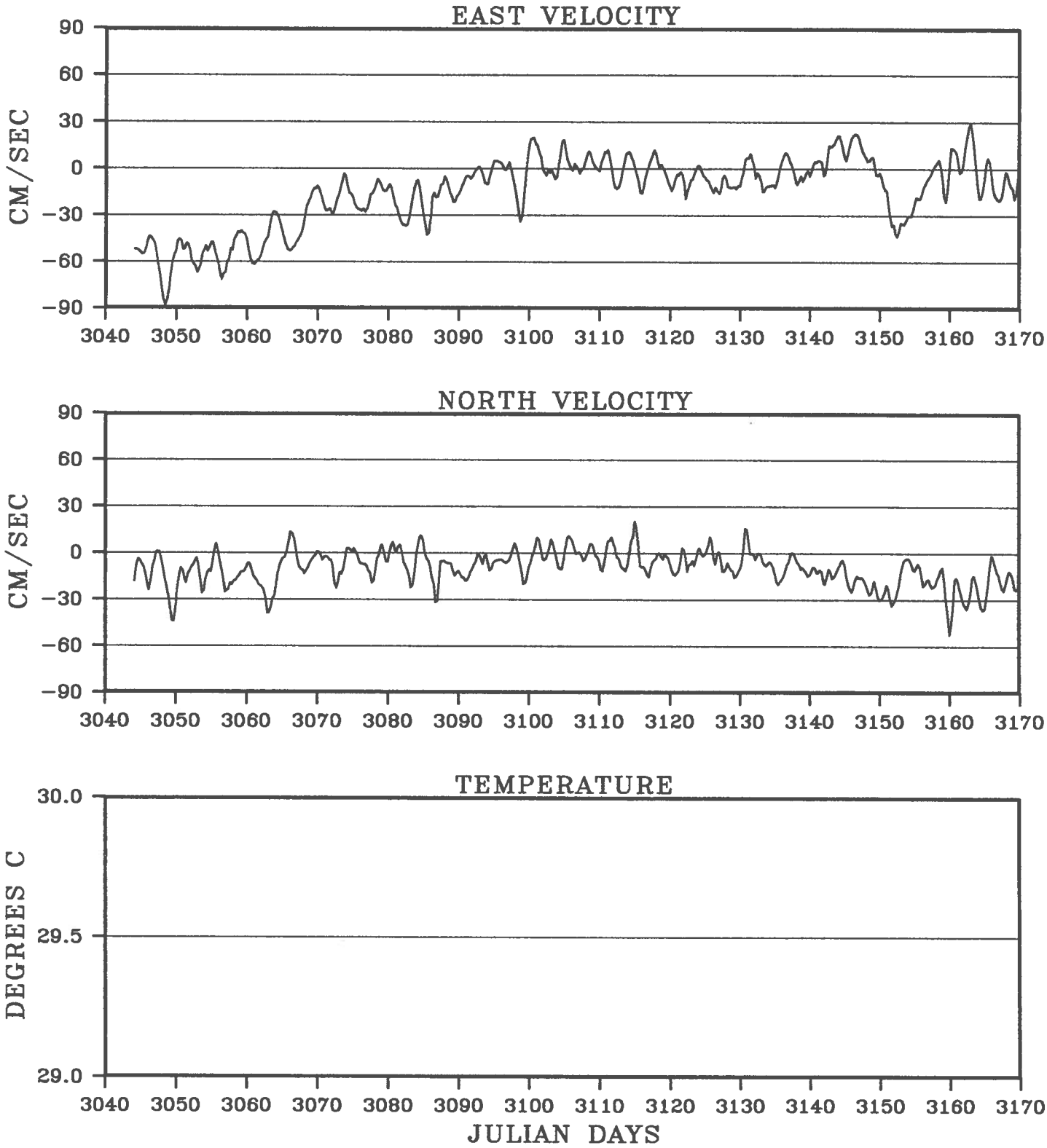
BUOY 4817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NORTH VELOCITY
CM/SEC
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30
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−30
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−90
3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170
TEMPERATURE
DEGREES C
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29.0
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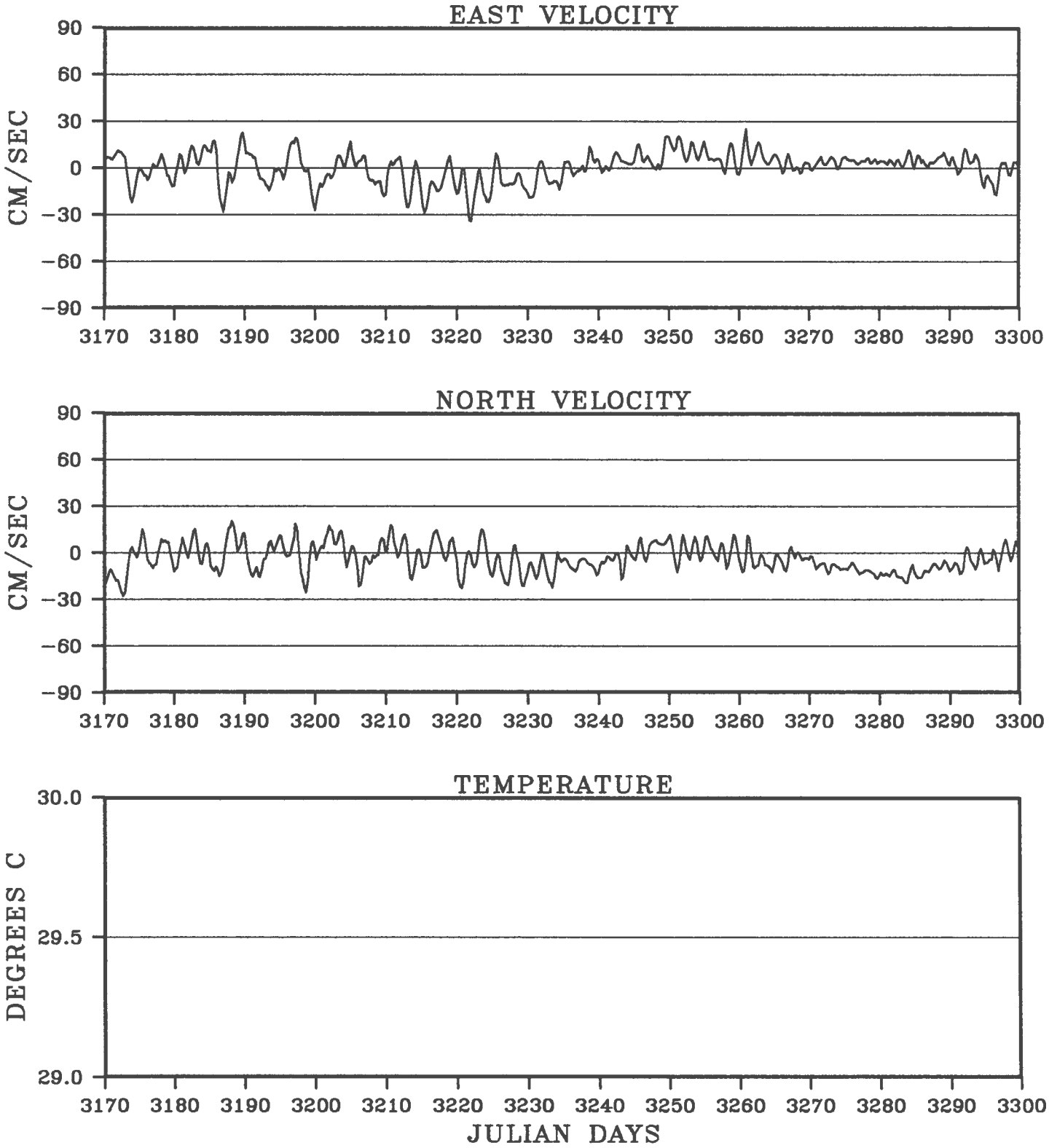
JULIAN DAYS

BUOY 4817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CM/SEC
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NORTH VELOCITY
CM/SEC
90
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−30
−60
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3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300
TEMPERATURE
DEGREES C
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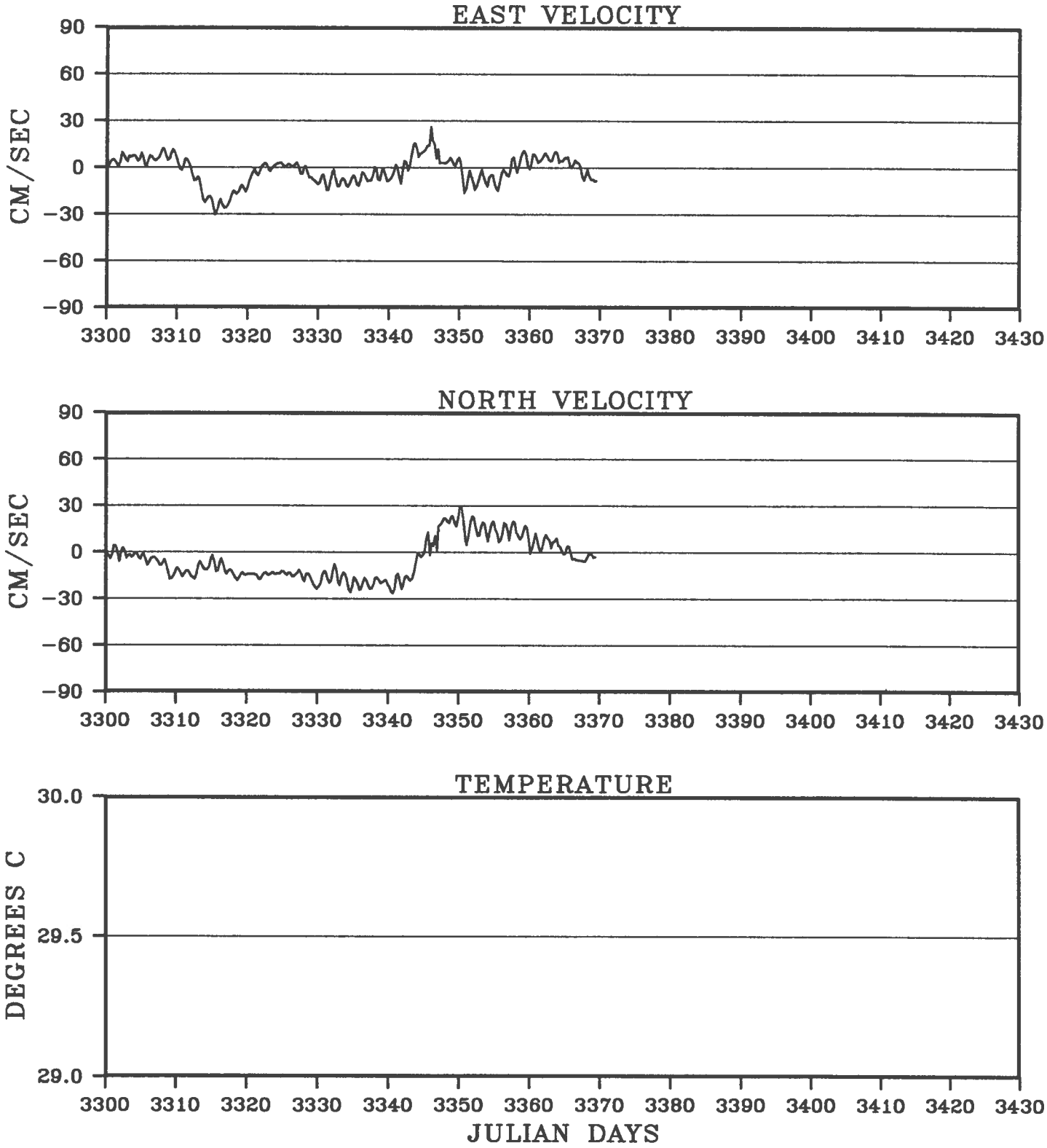
JULIAN DAYS

BUOY 4817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NORTH VELOCITY
CM/SEC
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3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430
TEMPERATURE
DEGREES C
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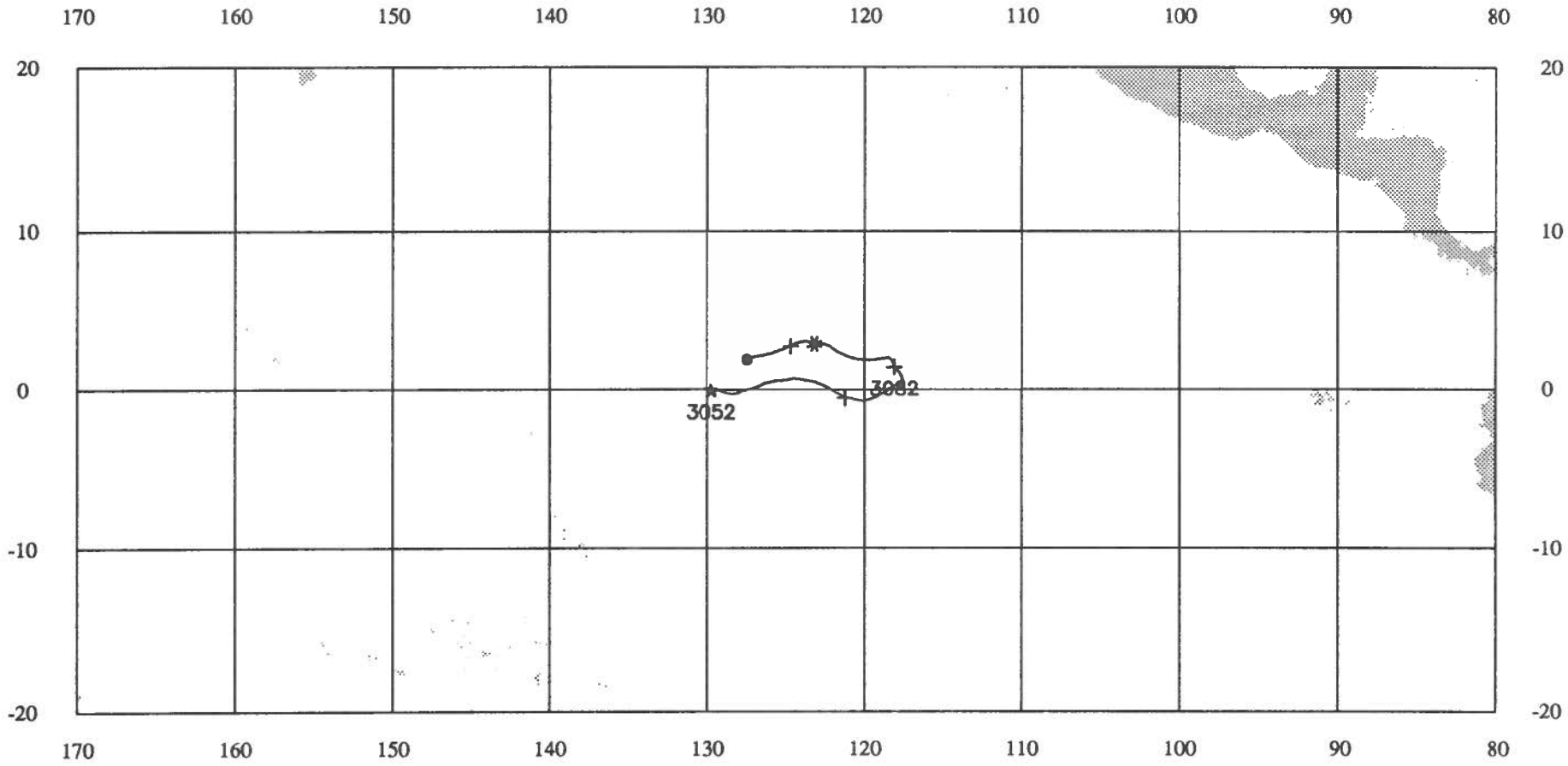
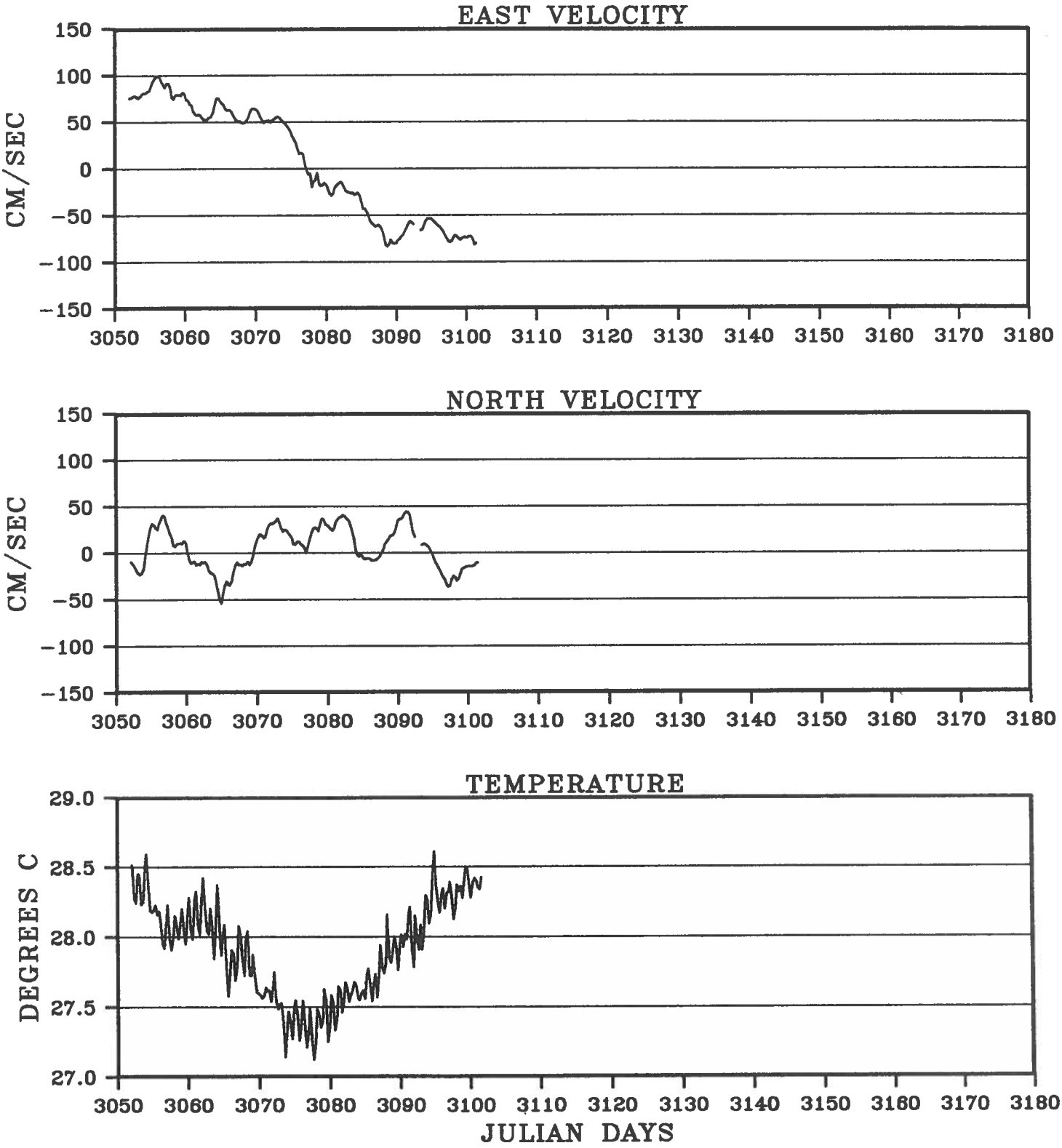
JULIAN DAYS

BUOY 4818



BUOY 4818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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180
TEMPERATURE
DEGREES C
29.0
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28.0
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27.0
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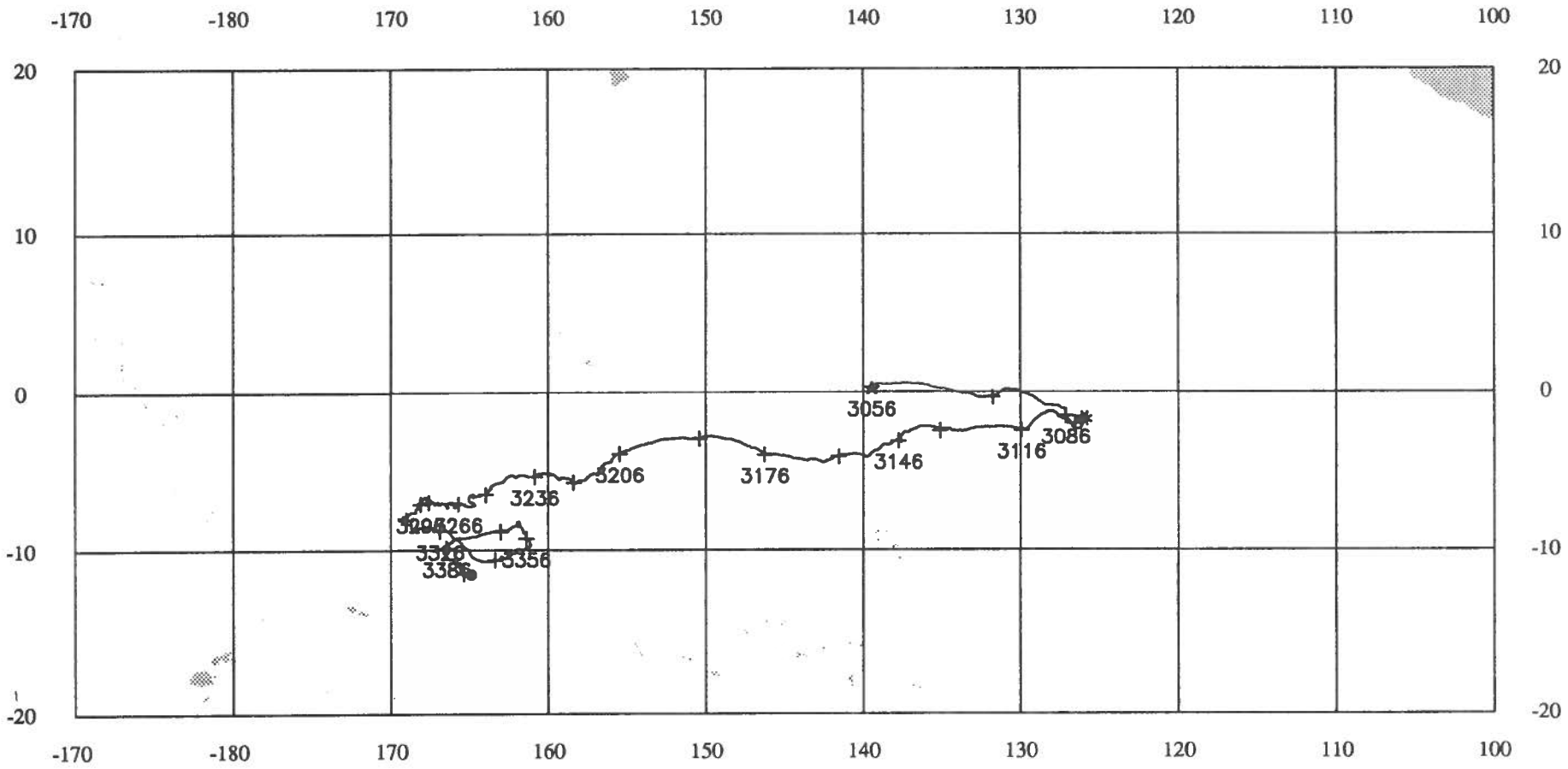
JULIAN DAYS

BUOY 4819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-180
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120
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-20
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3176
3206
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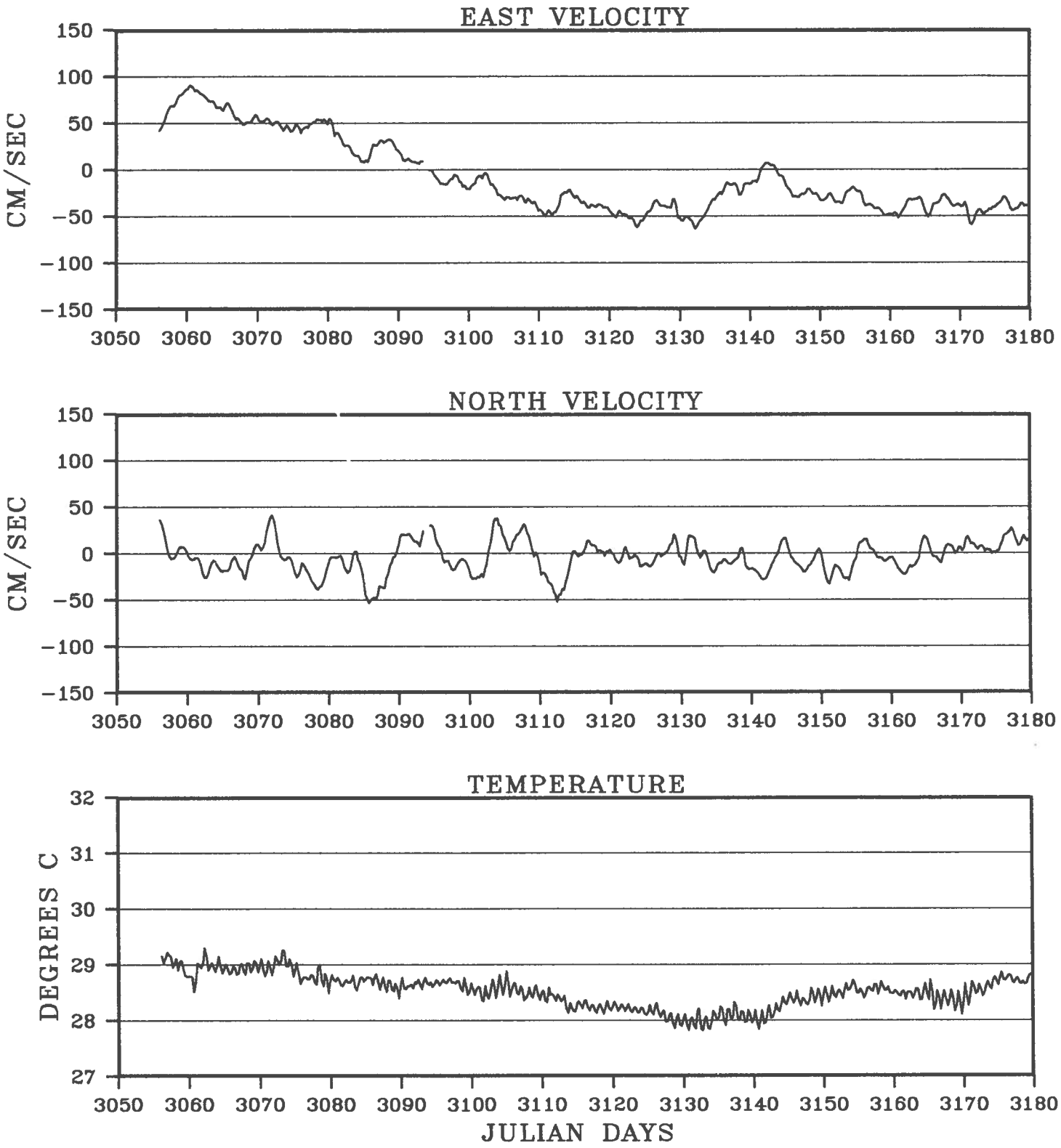
BUOY 4819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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
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−50
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3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180
TEMPERATURE
DEGREES C
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27
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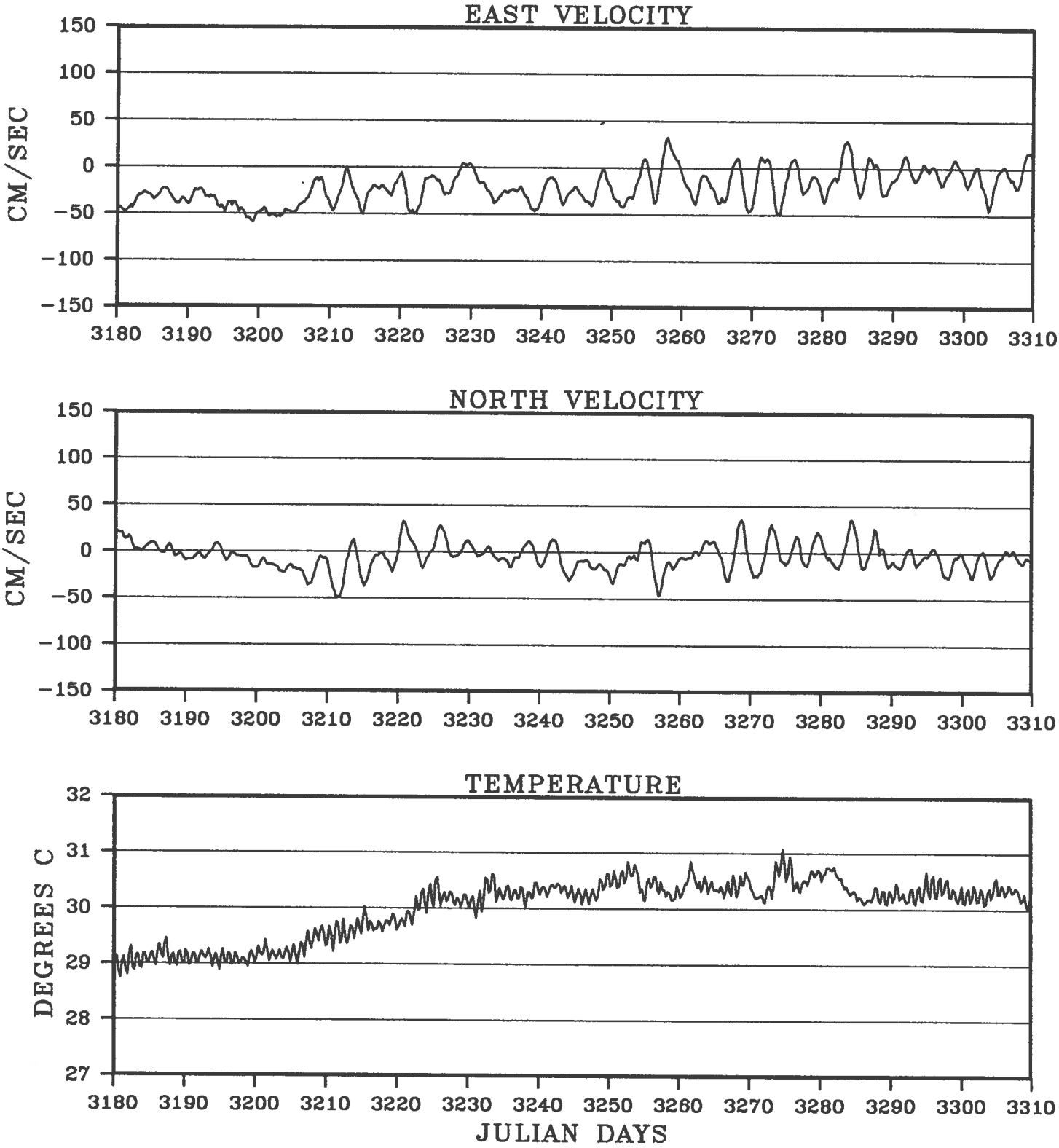
JULIAN DAYS

BUOY 4819


EAST VELOCITY
CM/SEC
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-50
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-150
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NORTH VELOCITY
CM/SEC
150
100
50
0
-50
-100
-150
3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310
TEMPERATURE
DEGREES C
32
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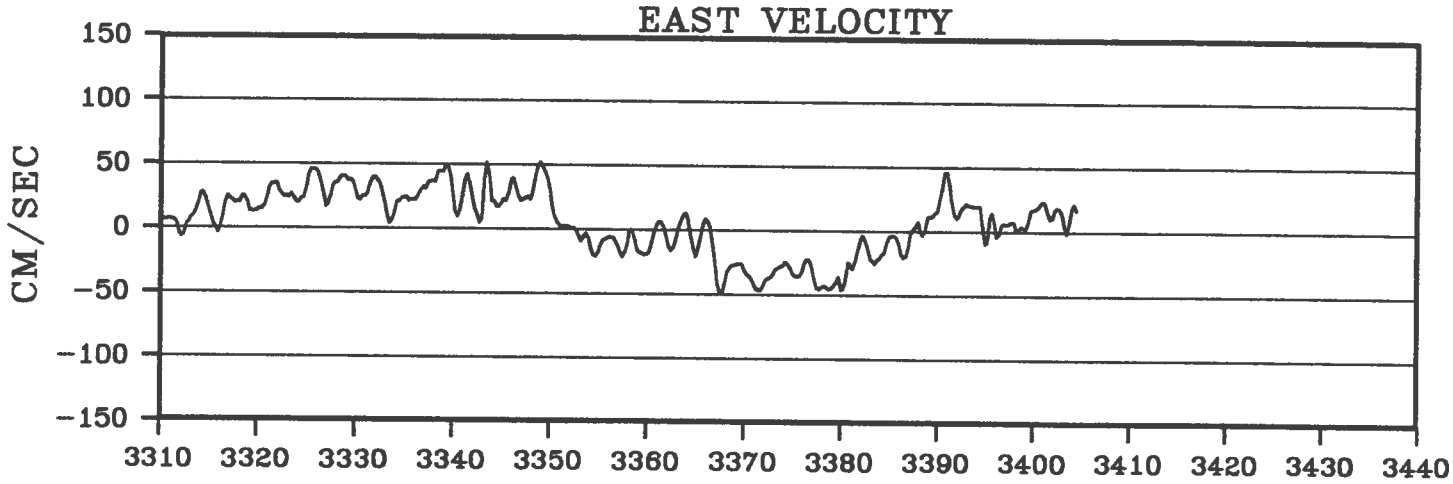
27
3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310
JULIAN DAYS

BUOY 4819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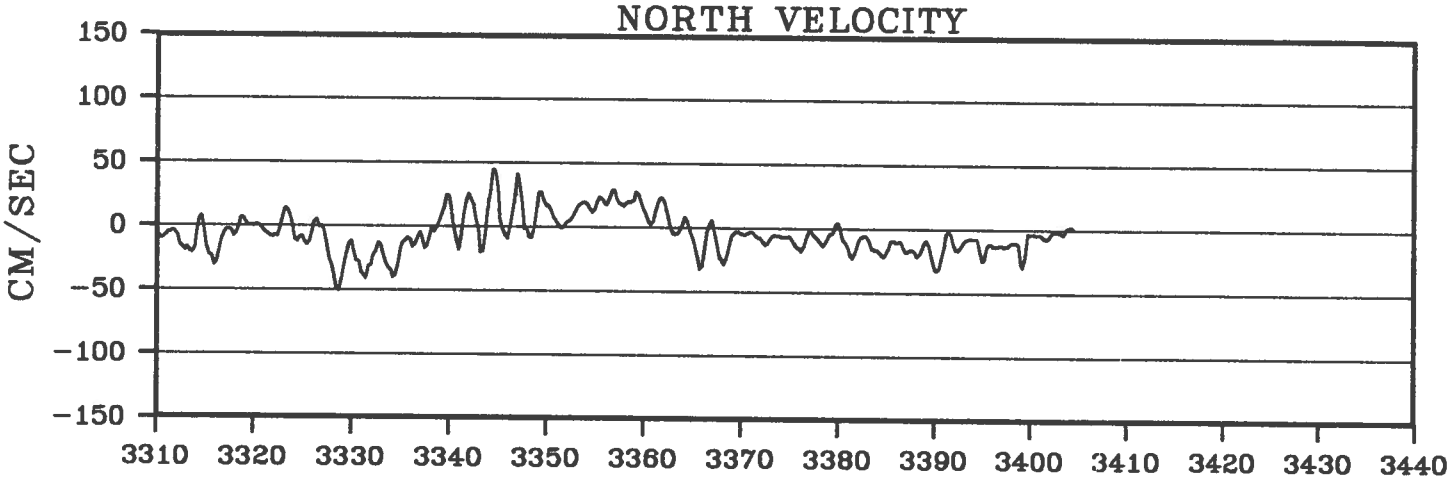
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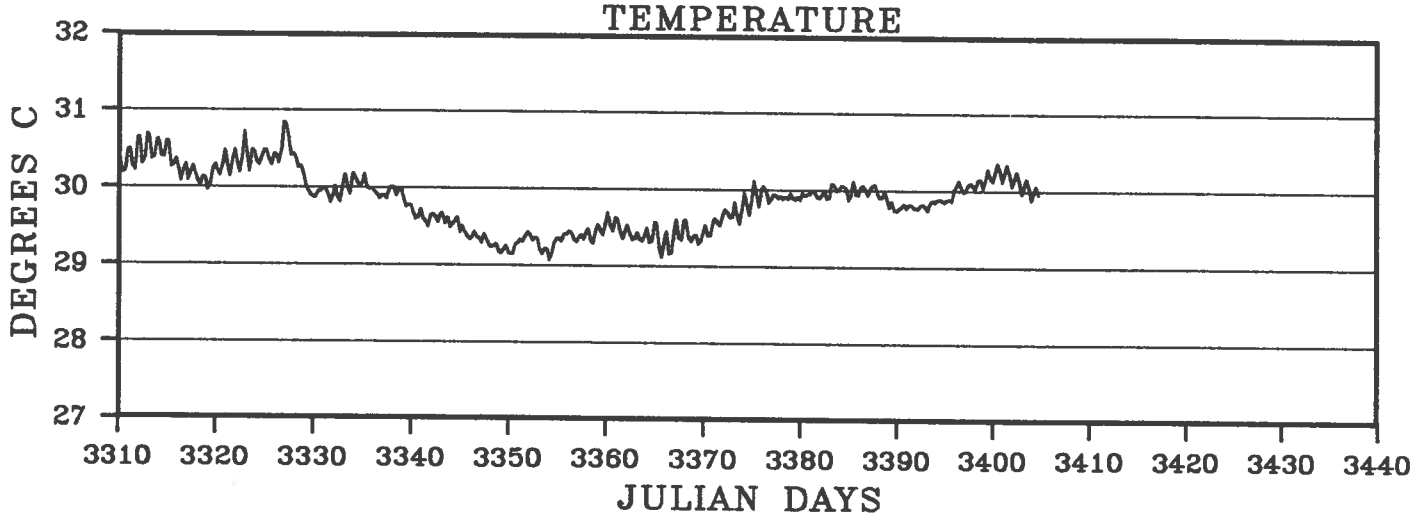
TEMPERATURE
DEGREES C
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31
30
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28
27
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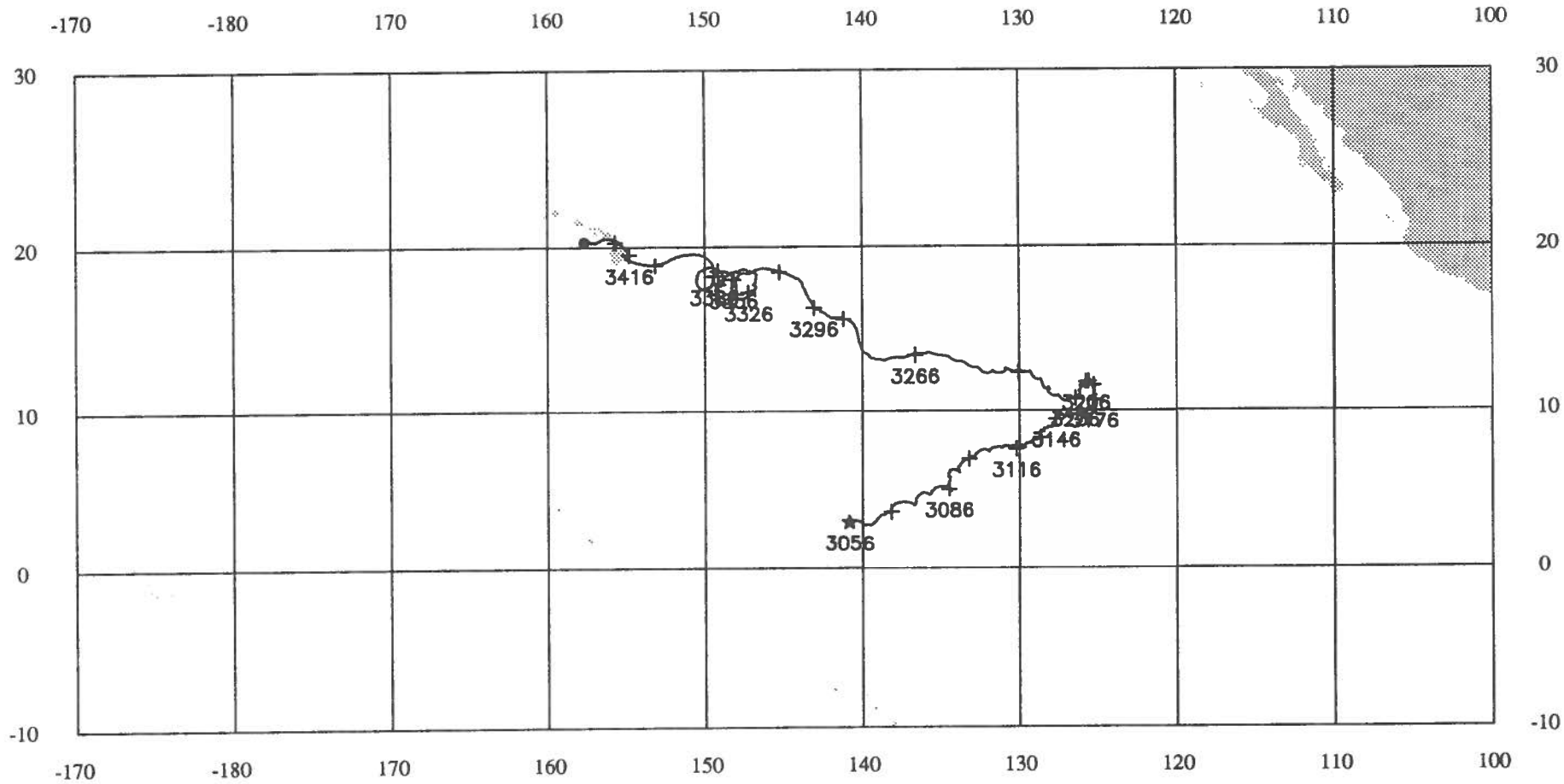
JULIAN DAYS

BUOY 4820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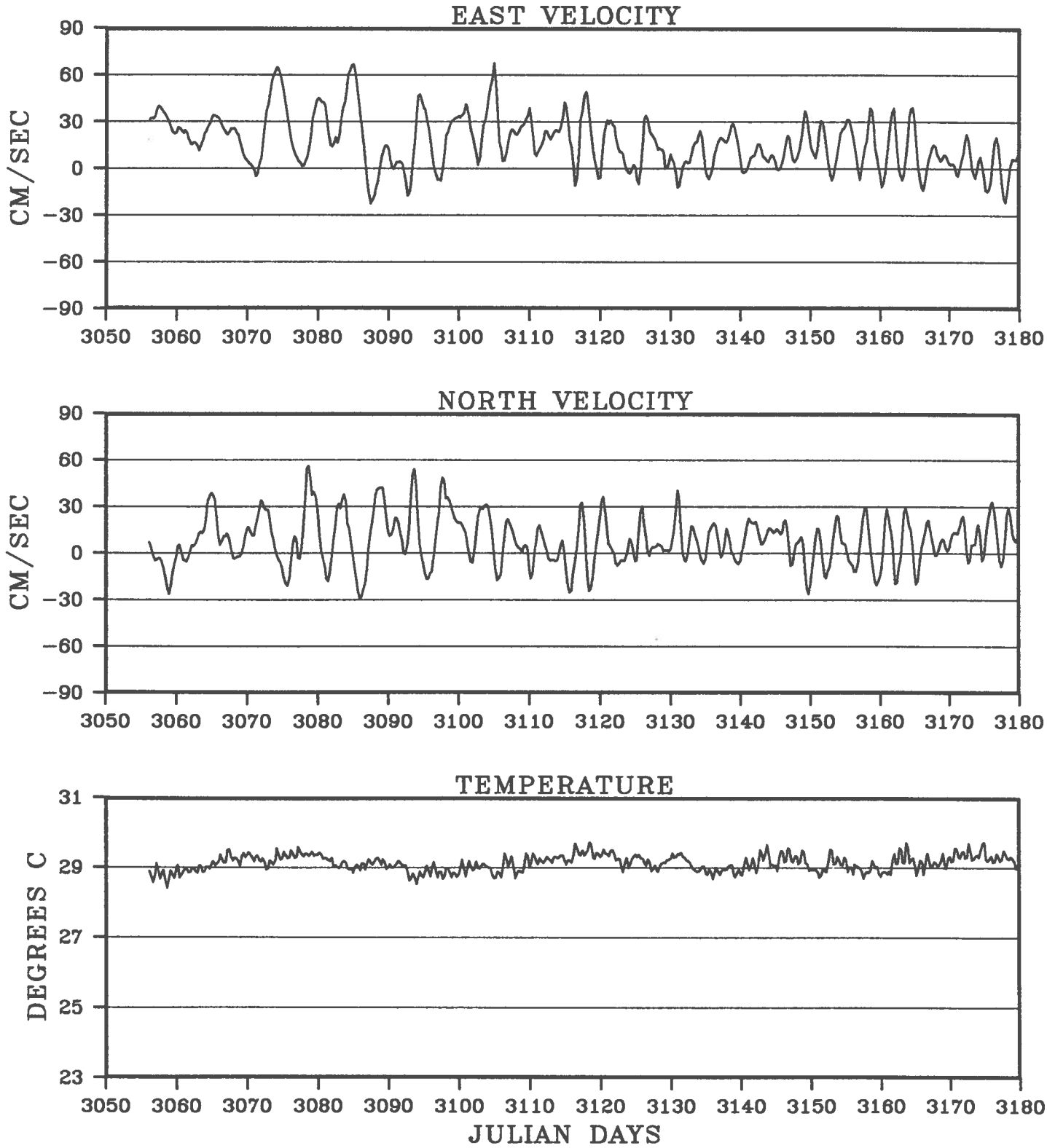
BUOY 4820


EAST VELOCITY
CM/SEC
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60
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0
−30
−60
−90
3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180
NORTH VELOCITY
CM/SEC
90
60
30
0
−30
−60
−90
3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180
TEMPERATURE
DEGREES C
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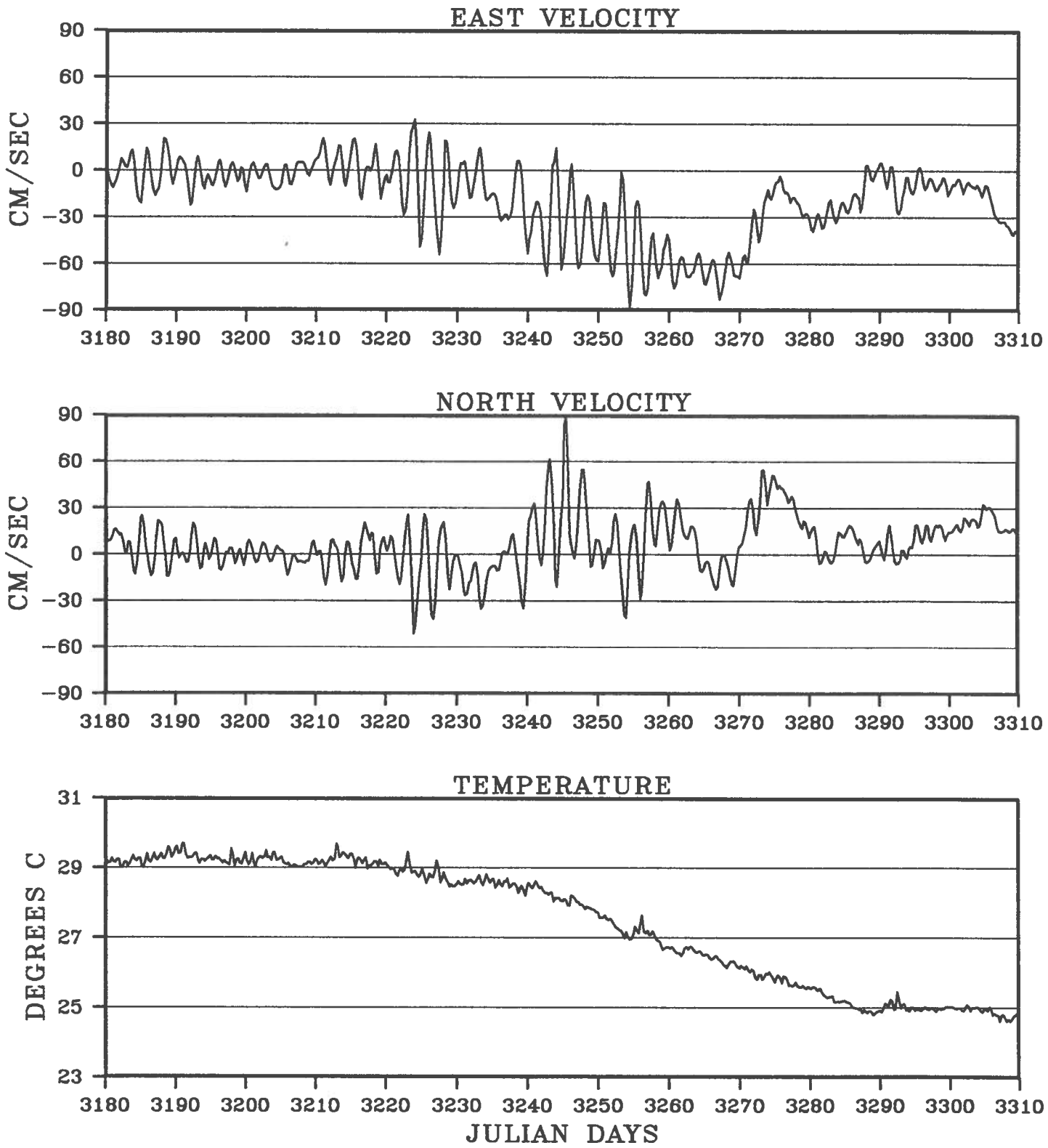
29
27
25
23
3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180
JULIAN DAYS

BUOY 4820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CM/SEC
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30
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−30
−60
−90
3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310
NORTH VELOCITY
CM/SEC
90
60
30
0
−30
−60
−90
3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310
TEMPERATURE
DEGREES C
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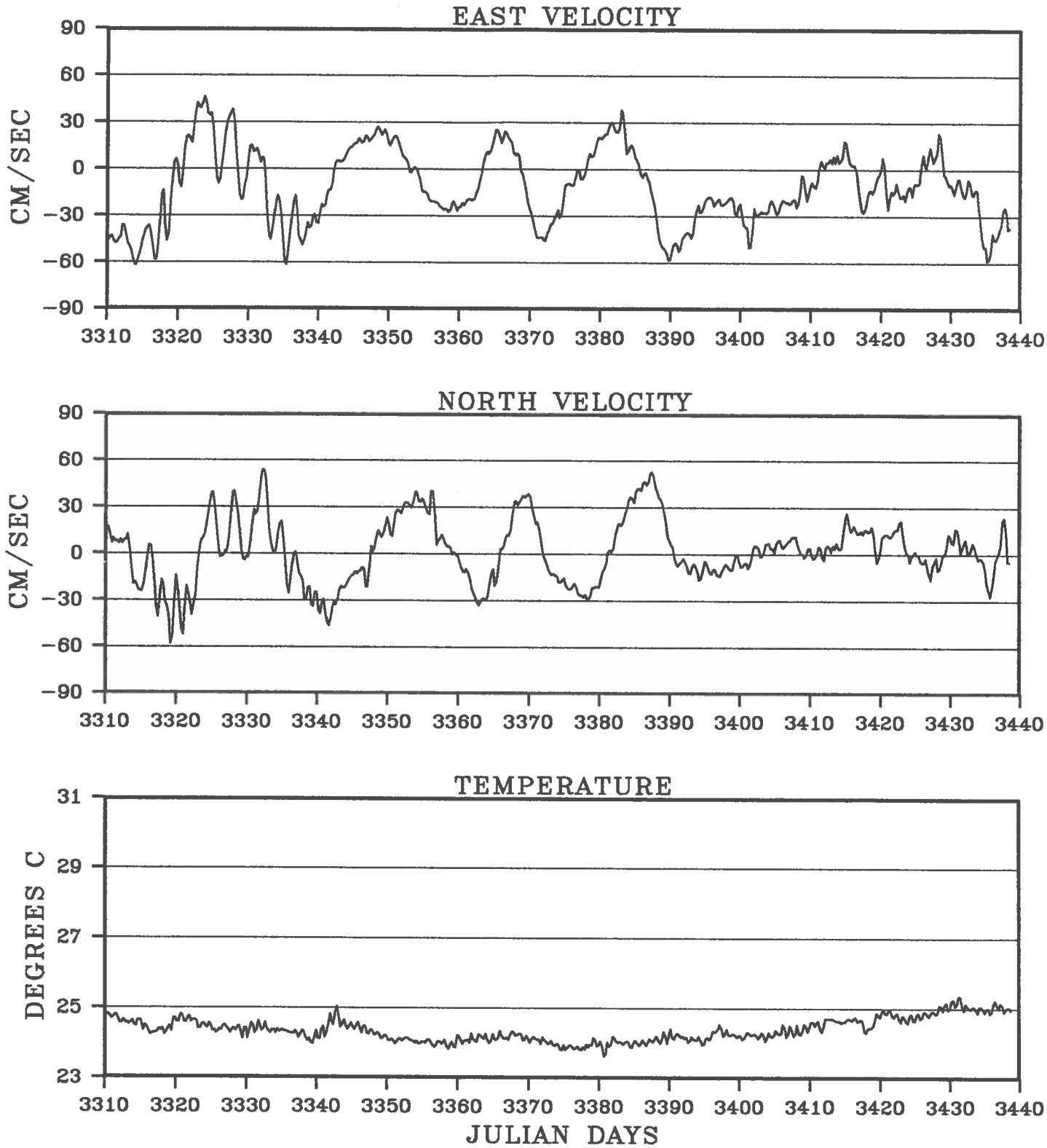
25
23
3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310
JULIAN DAYS

BUOY 4820


EAST VELOCITY
CM/SEC
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-30
-60
-90
3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440
NORTH VELOCITY
CM/SEC
90
60
30
0
-30
-60
-90
3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440
TEMPERATURE
DEGREES C
31
29
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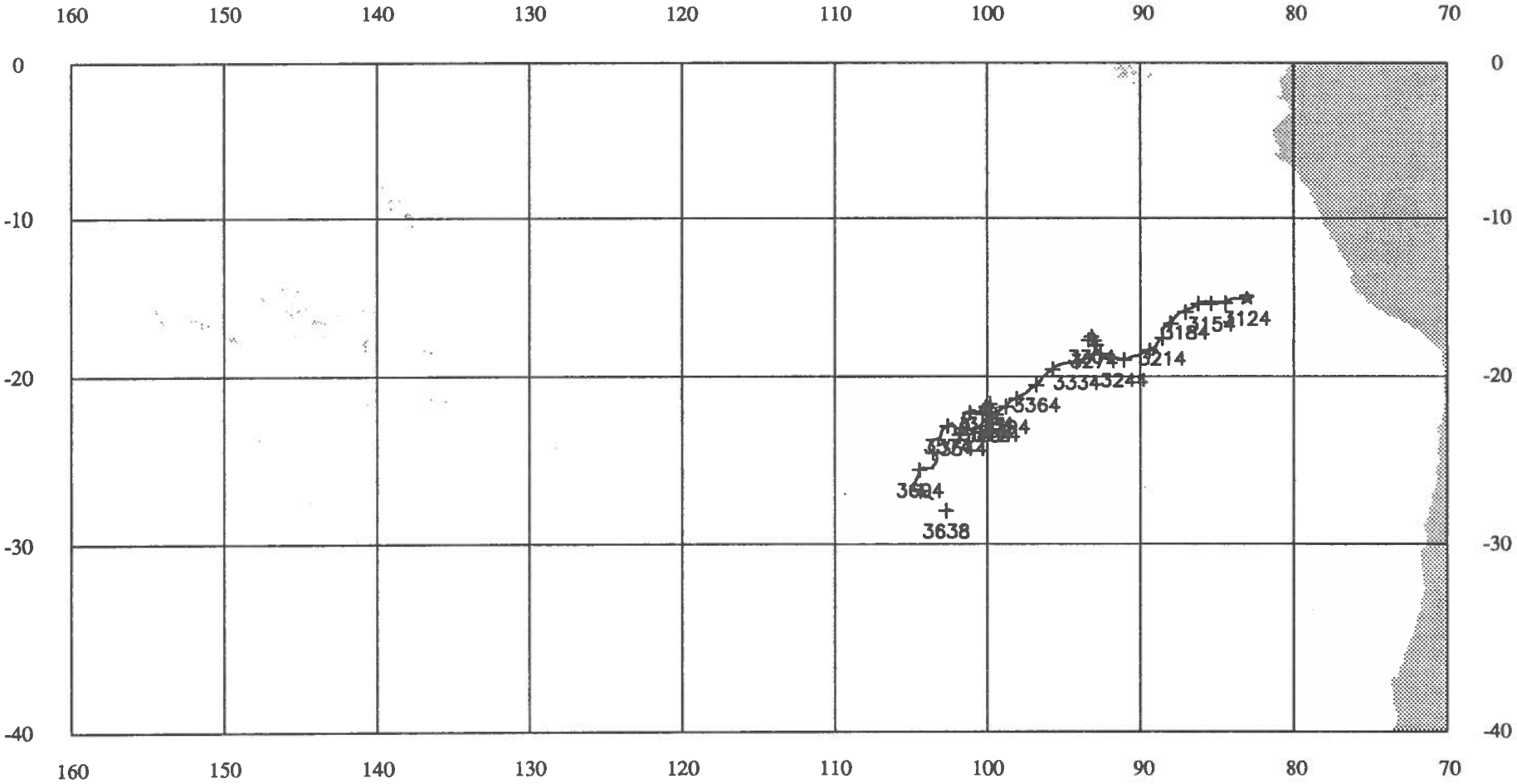
25
23
3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440
JULIAN DAYS

BUOY 4821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150
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120
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3364
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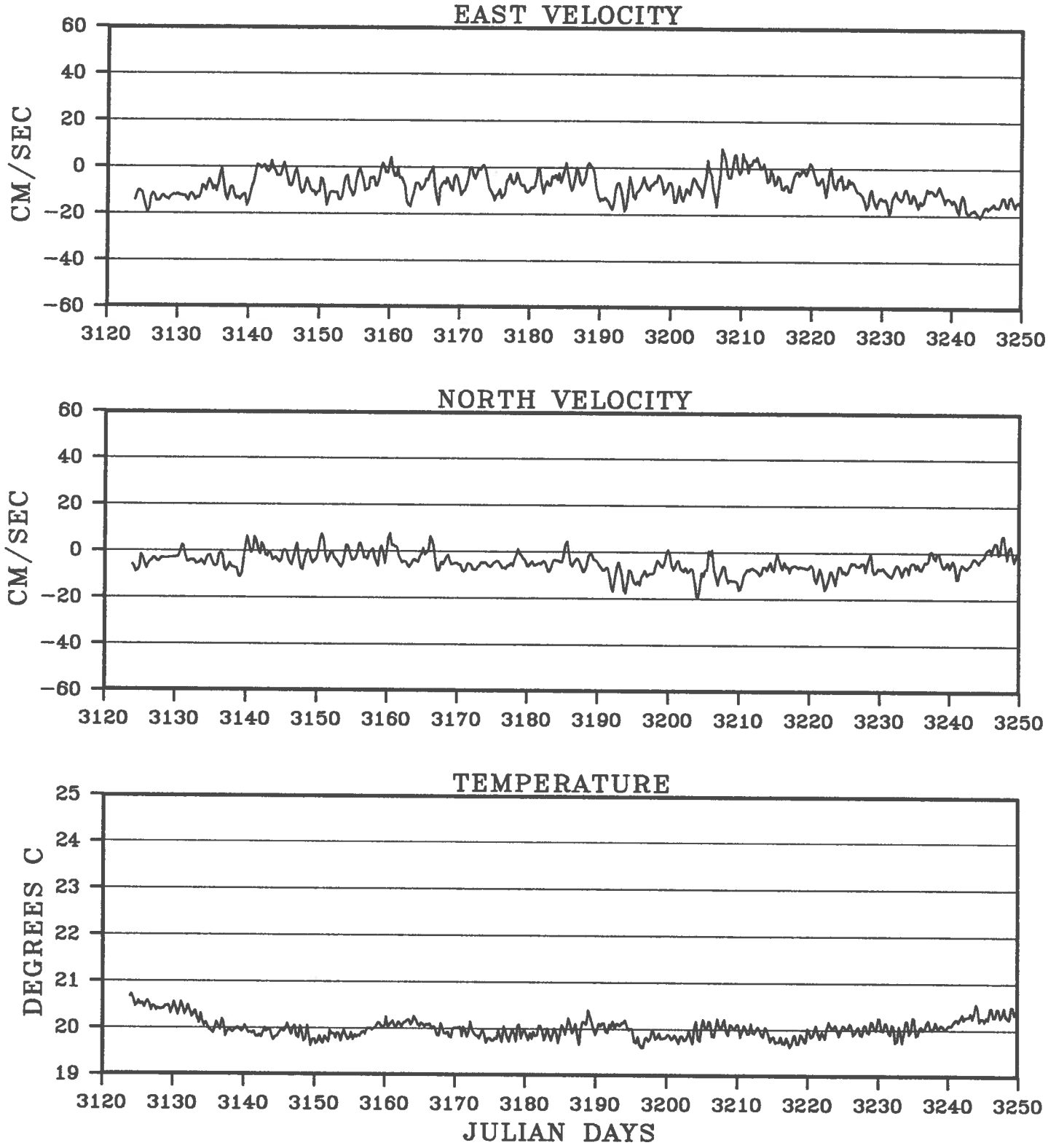
BUOY 4821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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250
TEMPERATURE
DEGREES C
25
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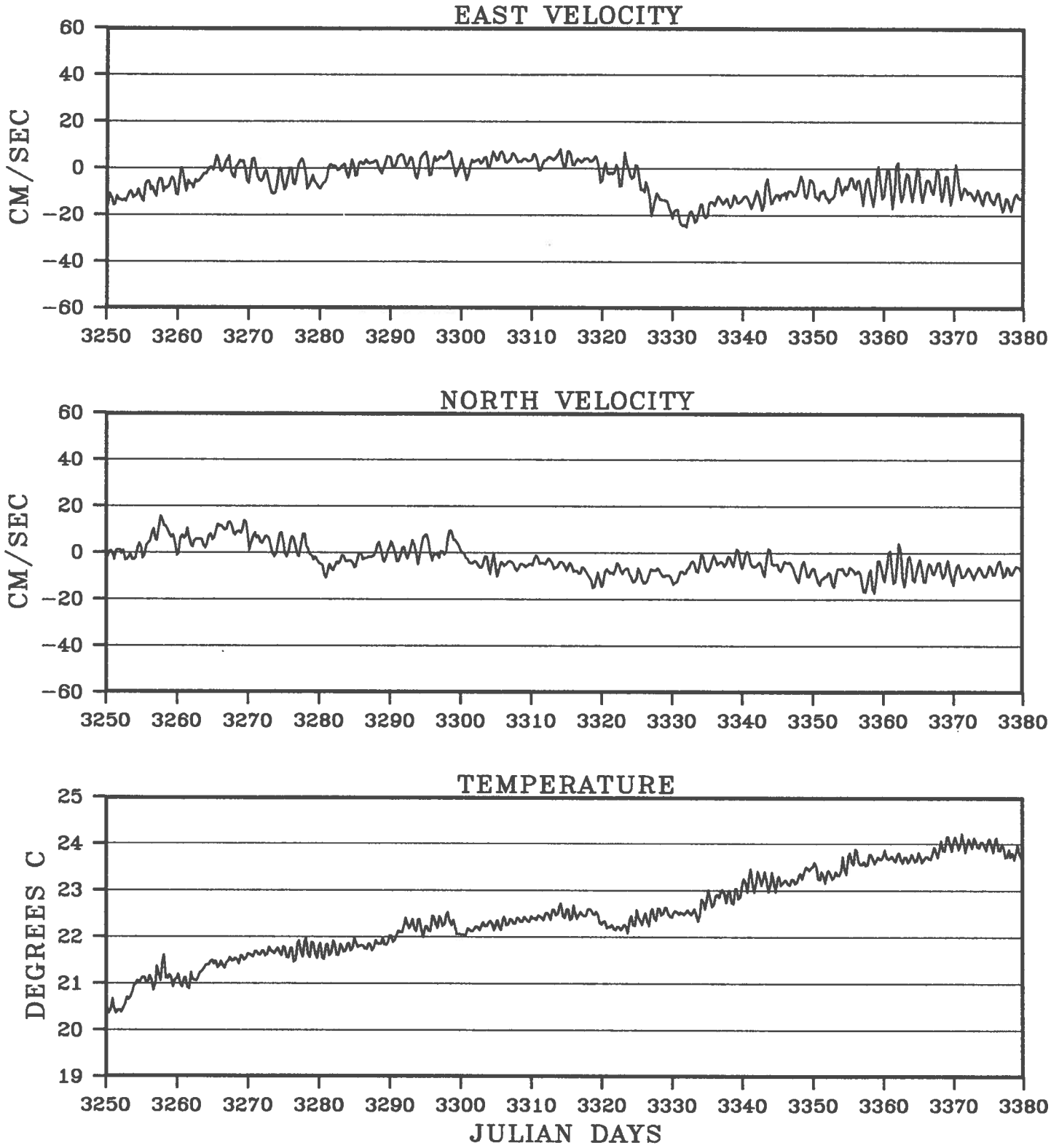
JULIAN DAYS

BUOY 4821


EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
TEMPERATURE
DEGREES C
25
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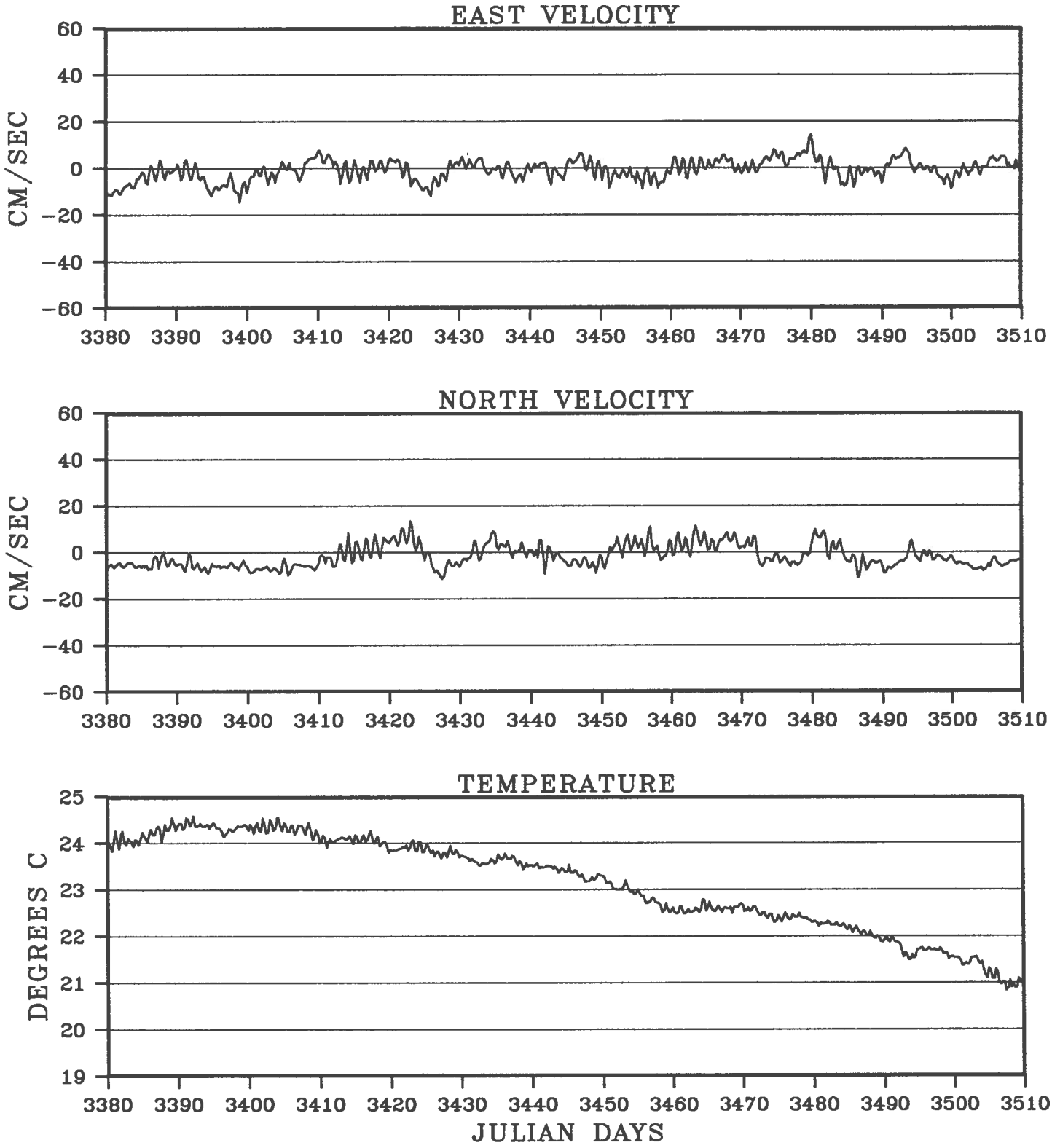
JULIAN DAYS

BUOY 4821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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
−20
−40
−60
3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510
TEMPERATURE
DEGREES C
25
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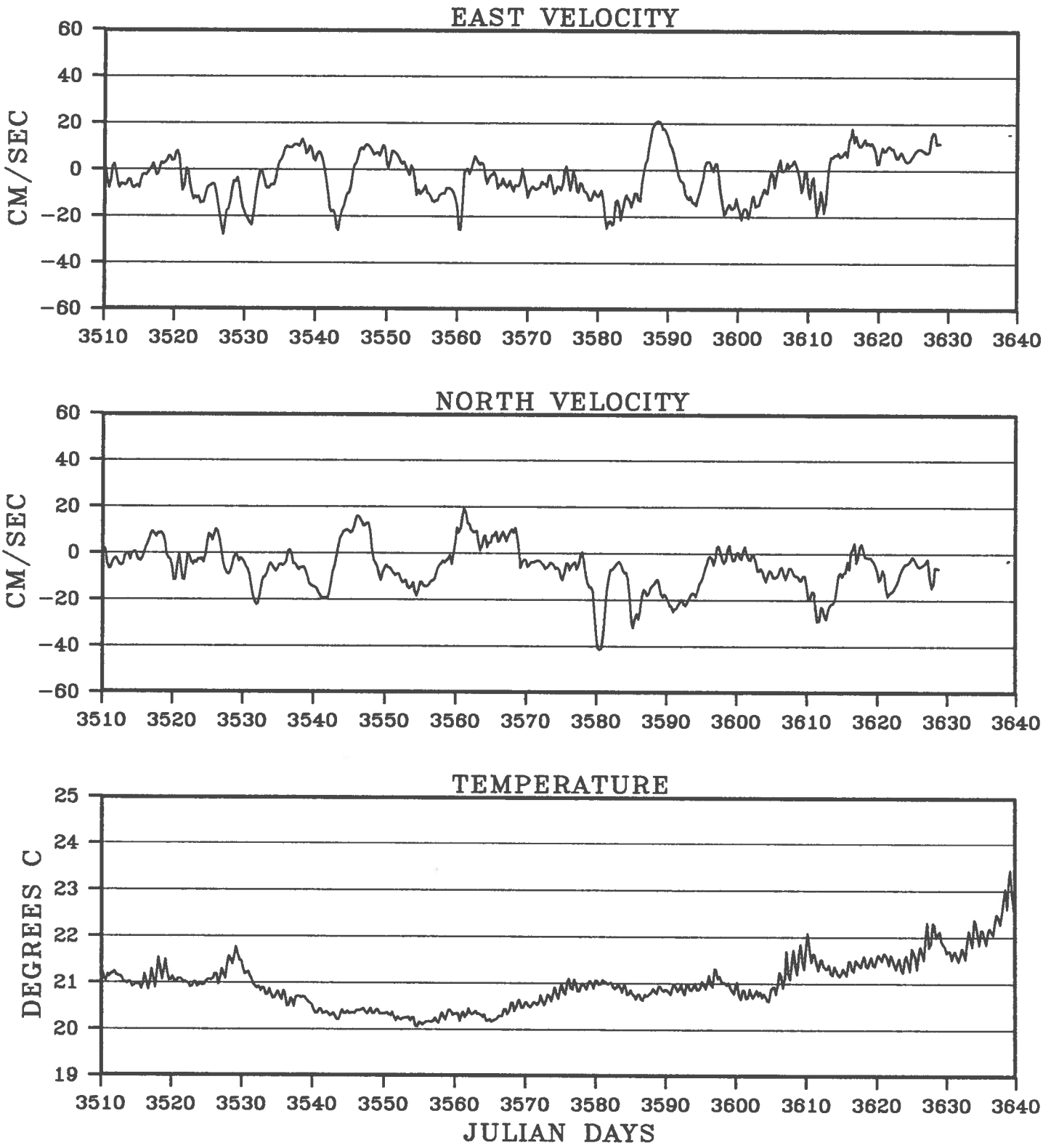
JULIAN DAYS

BUOY 4821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CM/SEC
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NORTH VELOCITY
CM/SEC
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40
20
0
-20
-40
-60
3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640
TEMPERATURE
DEGREES C
25
24
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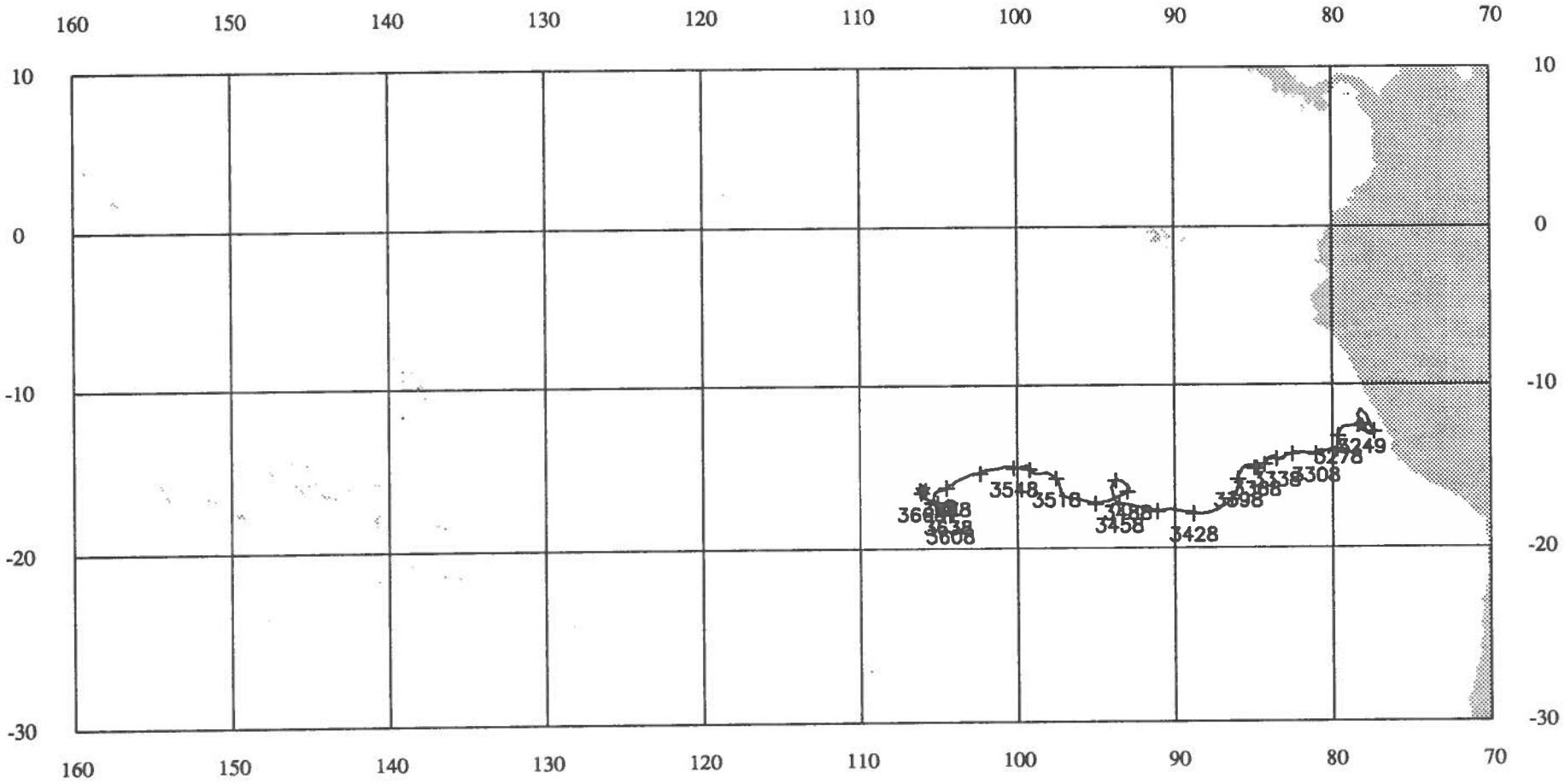
3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640
JULIAN DAYS

BUOY 4822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-10
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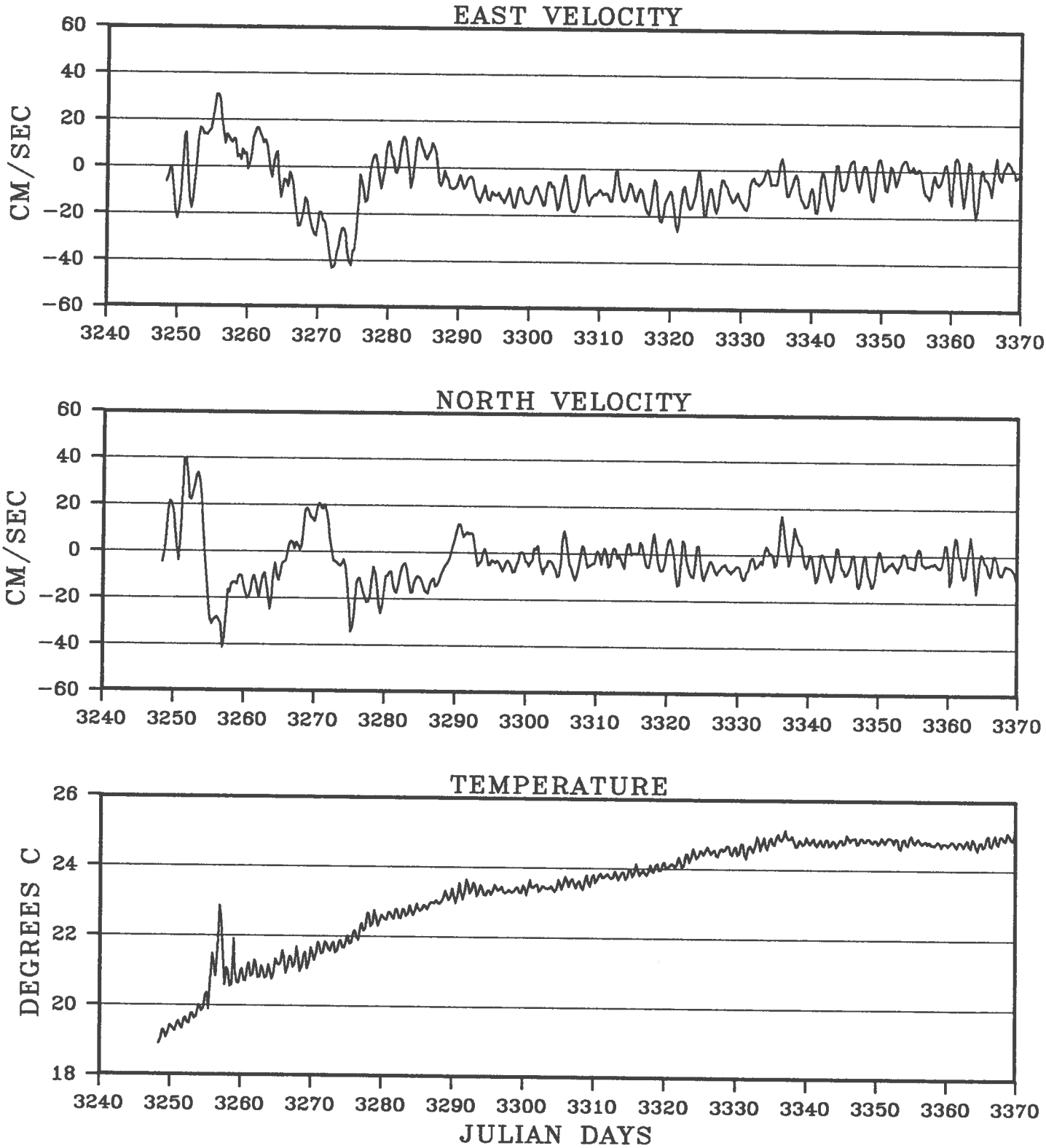
BUOY 4822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CM/SEC
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3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370
NORTH VELOCITY
CM/SEC
60
40
20
0
−20
−40
−60
3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370
TEMPERATURE
DEGREES C
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20
18
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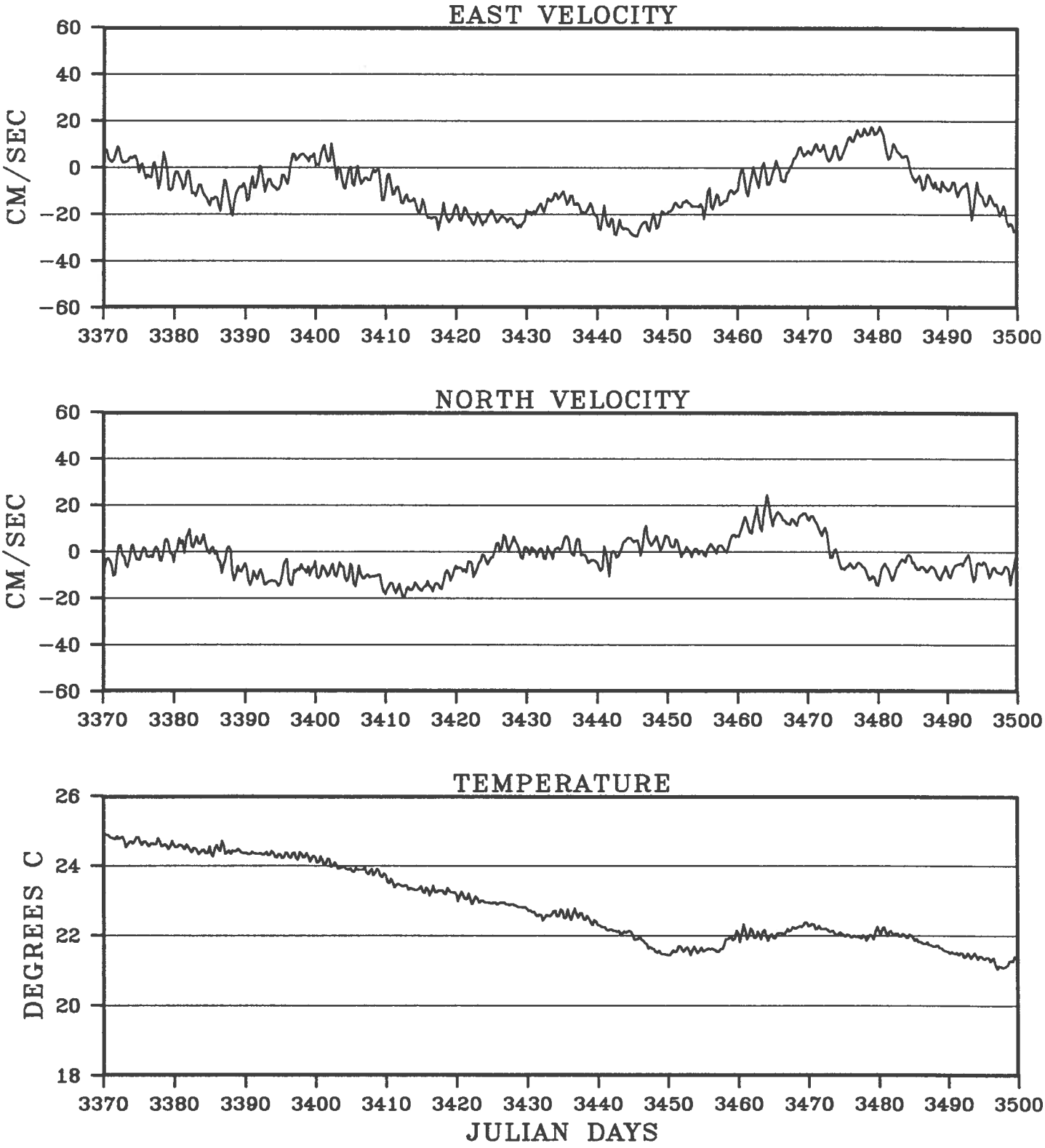
JULIAN DAYS

BUOY 4822


EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
−20
−40
−60
3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500
TEMPERATURE
DEGREES C
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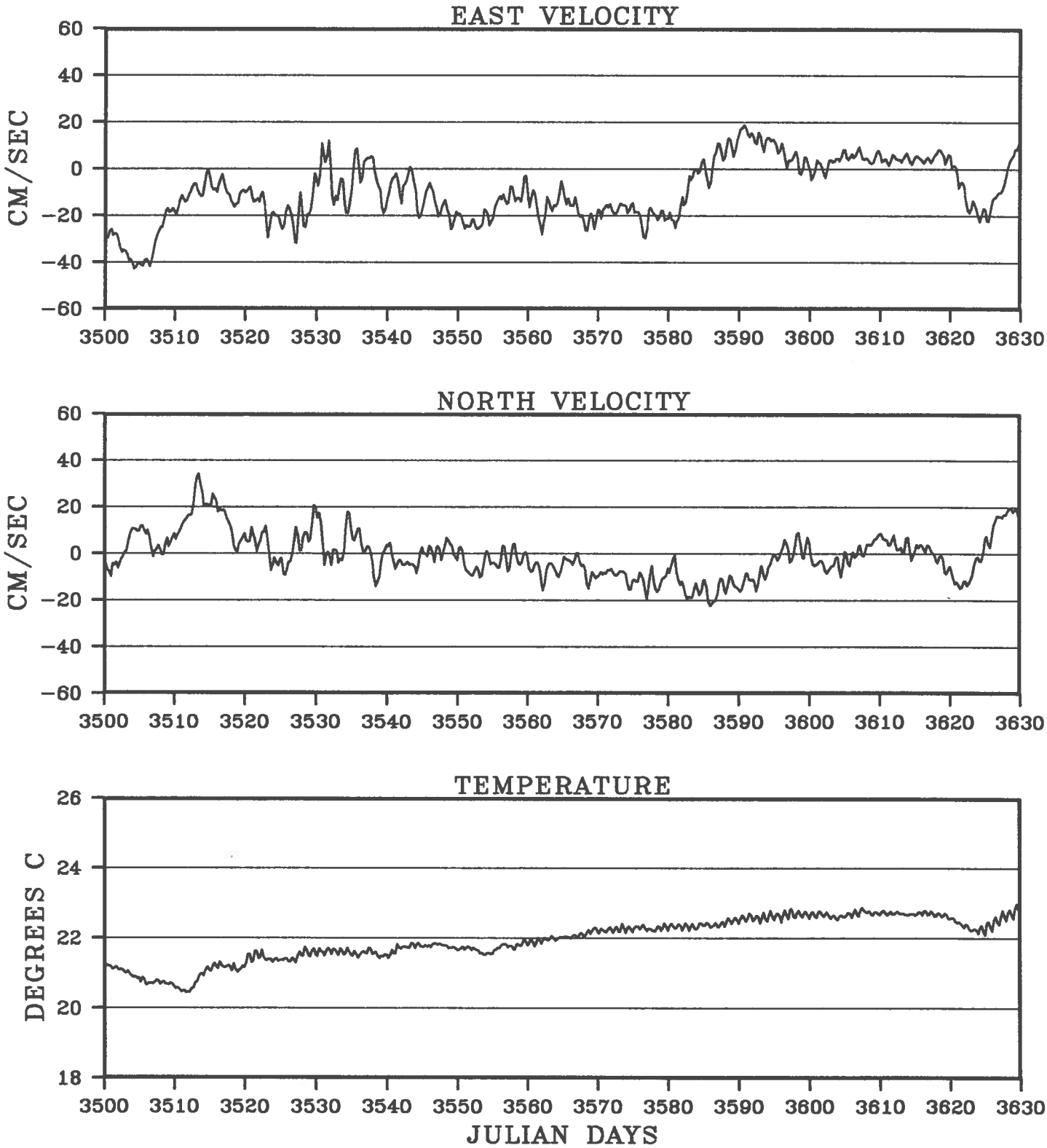
JULIAN DAYS

BUOY 4822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CM/SEC
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NORTH VELOCITY
CM/SEC
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40
20
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-20
-40
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3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630
TEMPERATURE
DEGREES C
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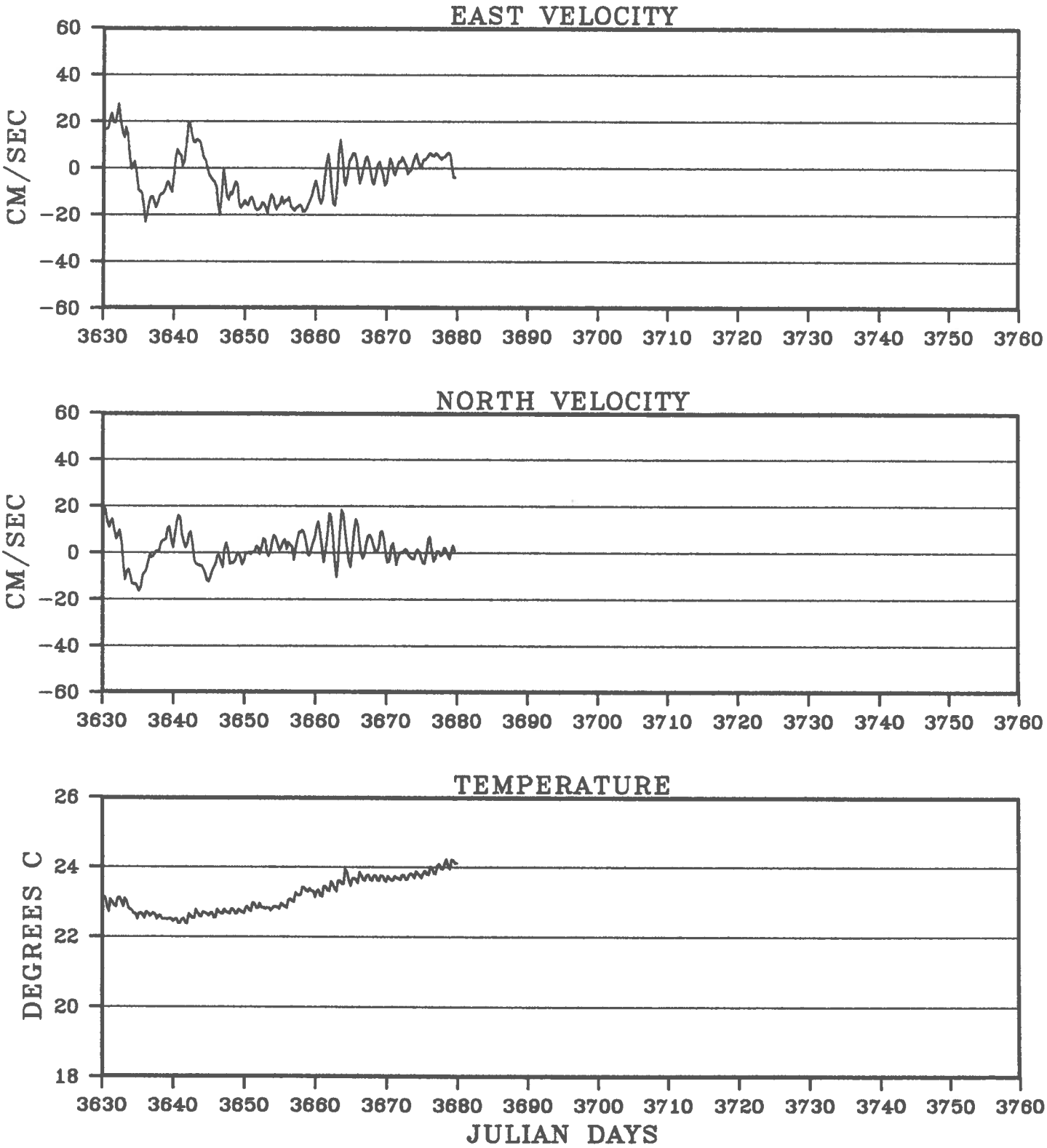
3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630
JULIAN DAYS

BUOY 4822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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760
TEMPERATURE
DEGREES C
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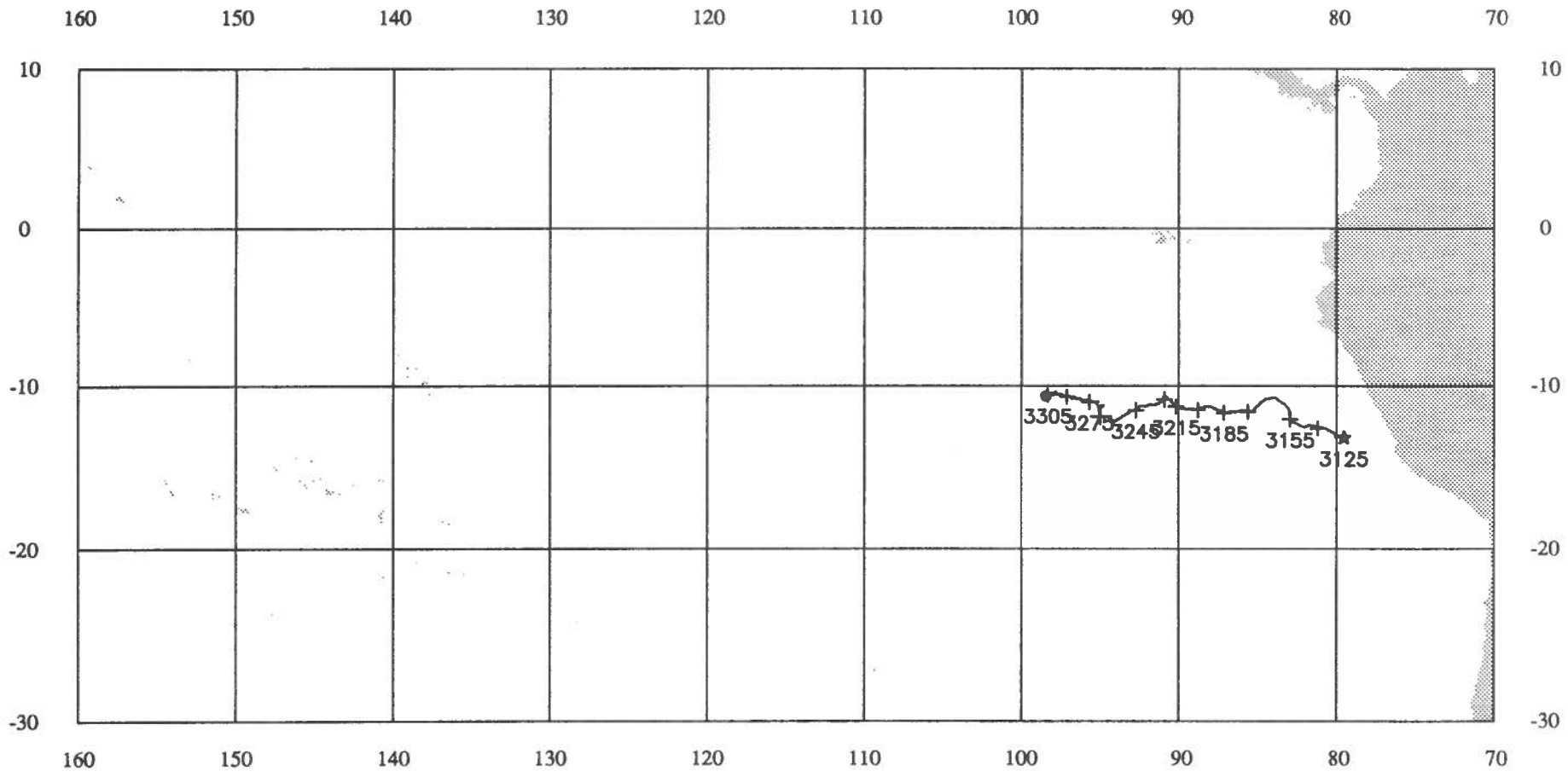
20
18
3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760
JULIAN DAYS

BUOY 4823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-10
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-30
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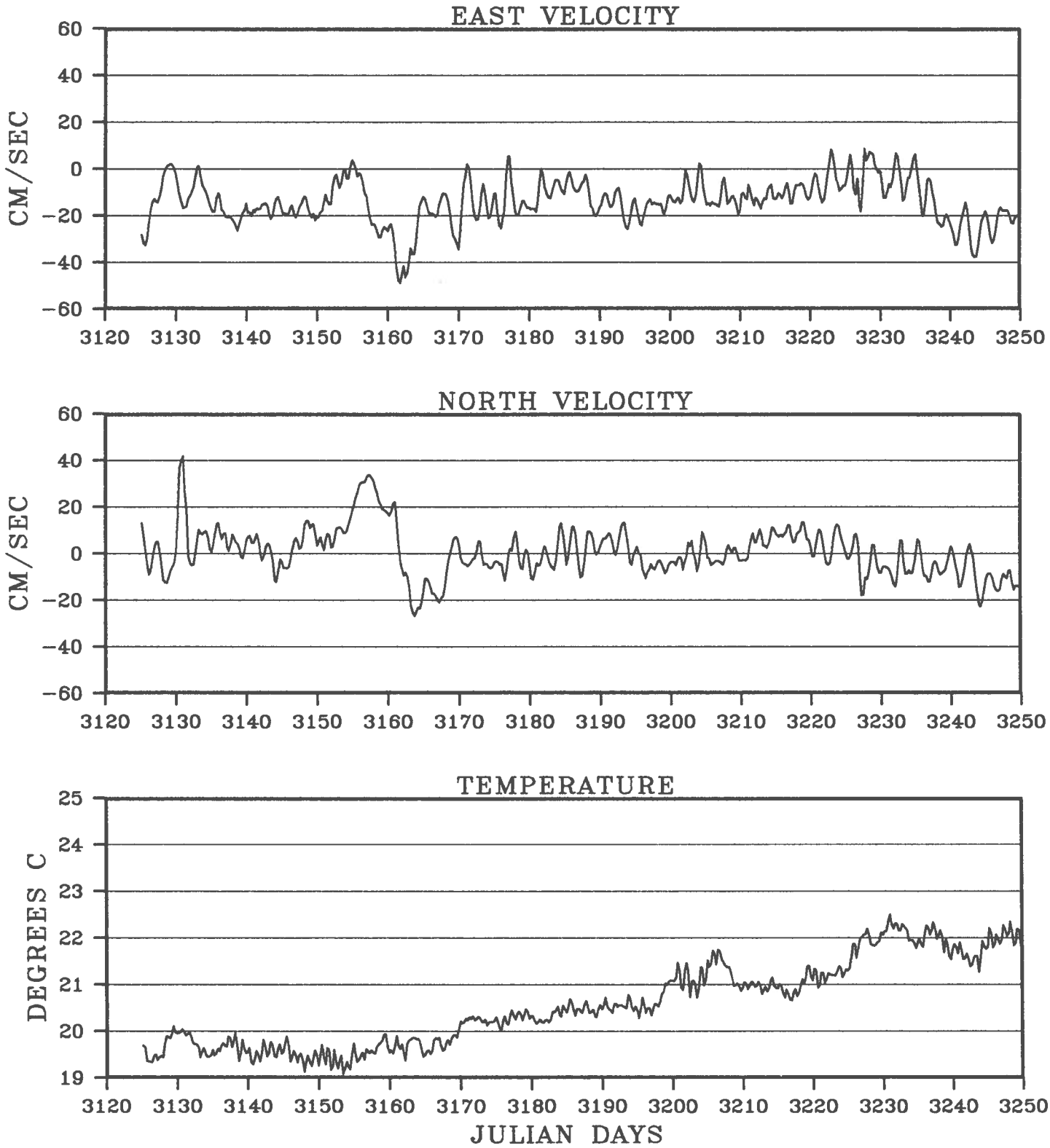
3155
3125

BUOY 4823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CM/SEC
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-40
-60
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250
TEMPERATURE
DEGREES C
25
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20
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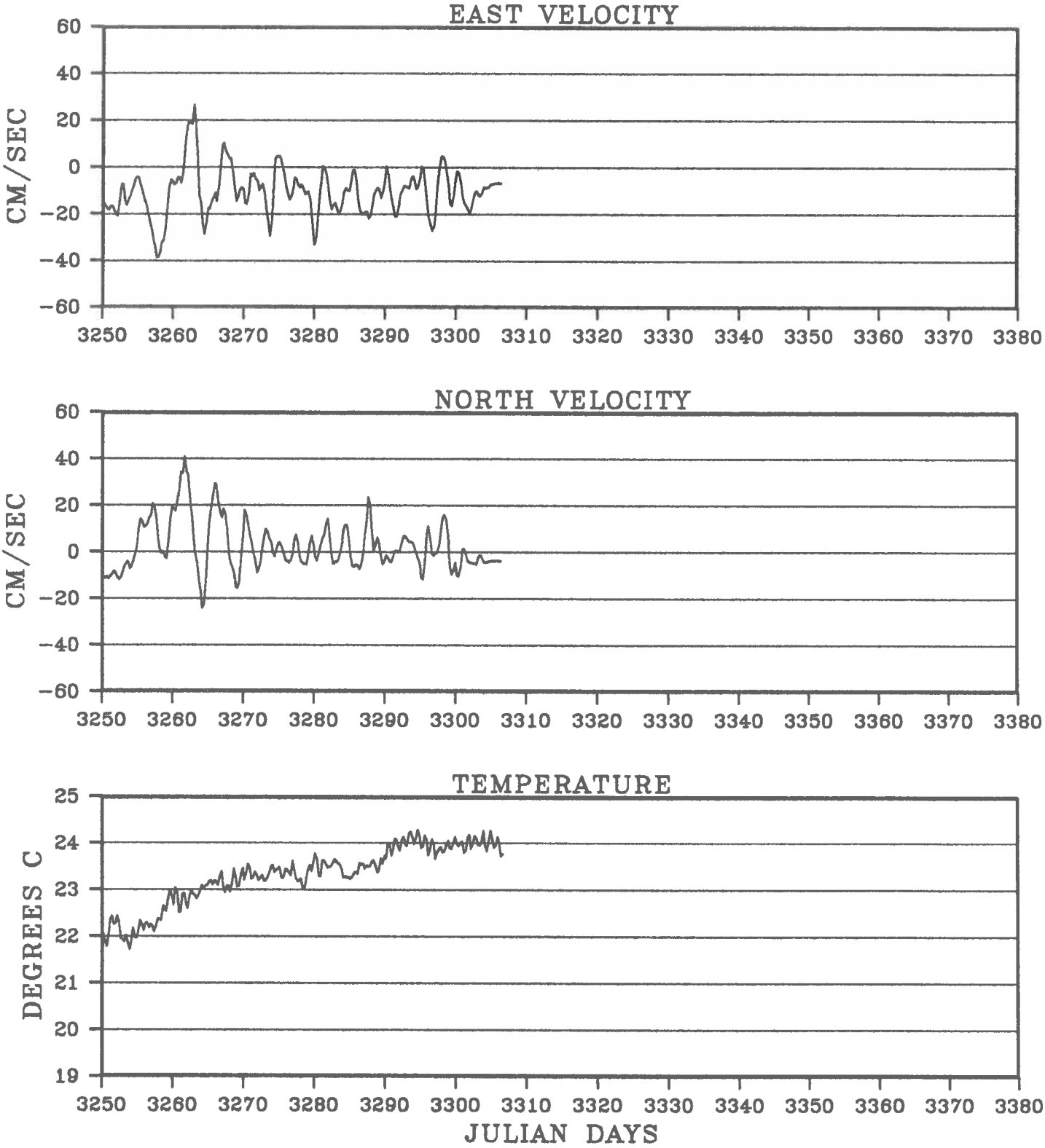
3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250
JULIAN DAYS

BUOY 4823


EAST VELOCITY
CM/SEC
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-20
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3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
TEMPERATURE
DEGREES C
25
24
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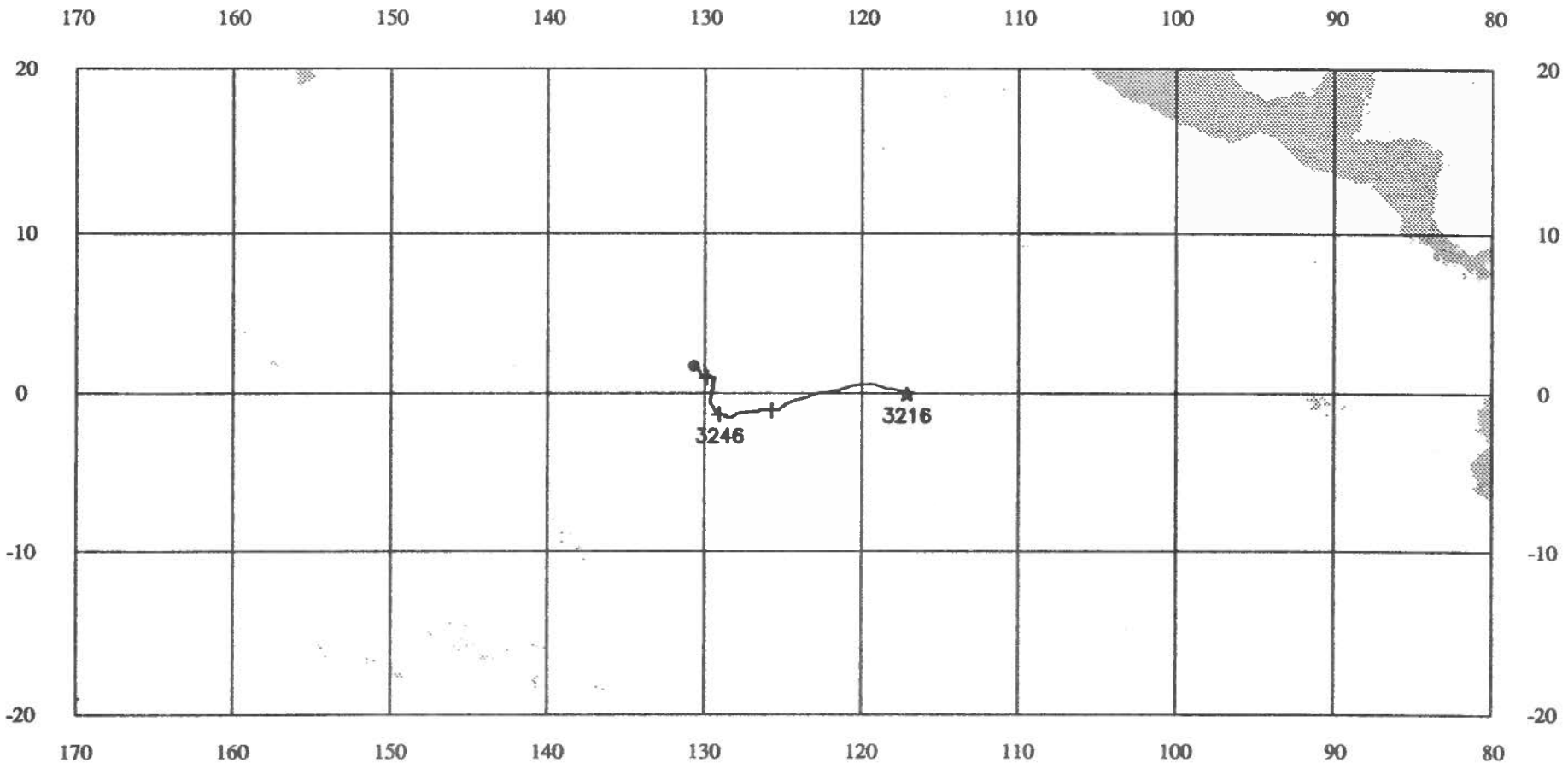
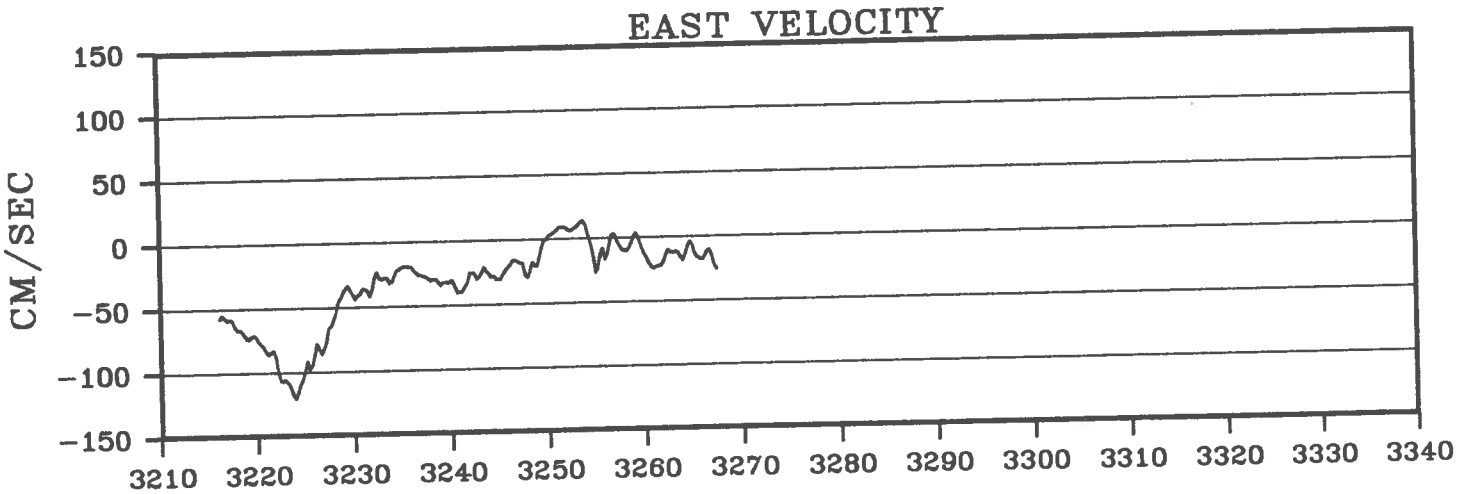
20
19
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
JULIAN DAYS

BUOY 4824



BUOY 4824


EAST VELOCITY
CM/SEC
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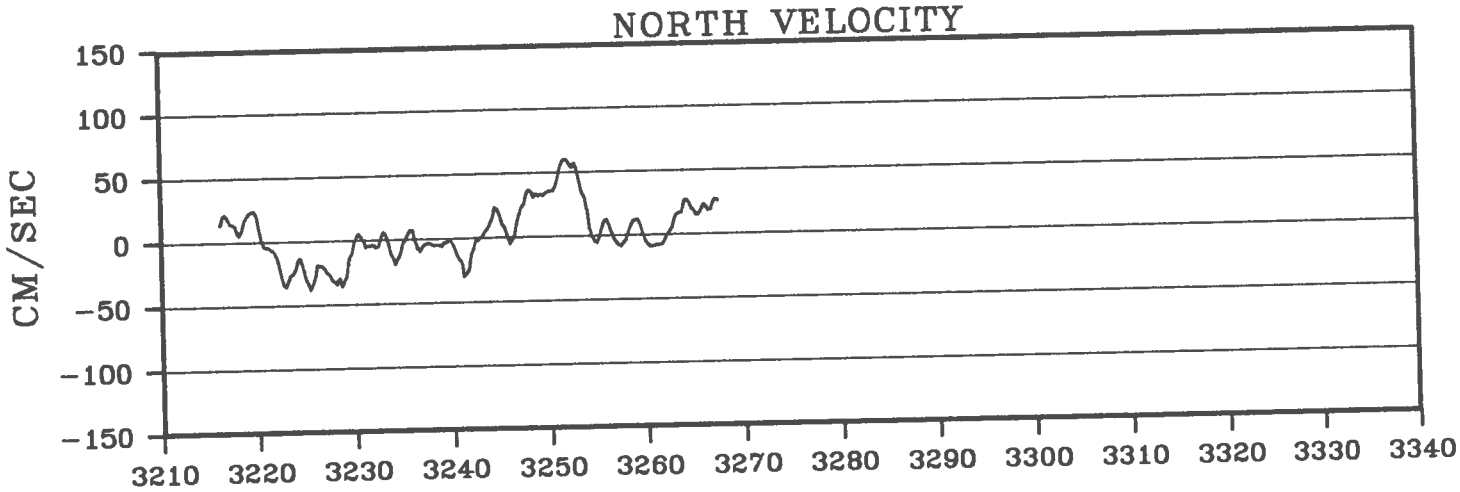
NORTH VELOCITY
CM/SEC
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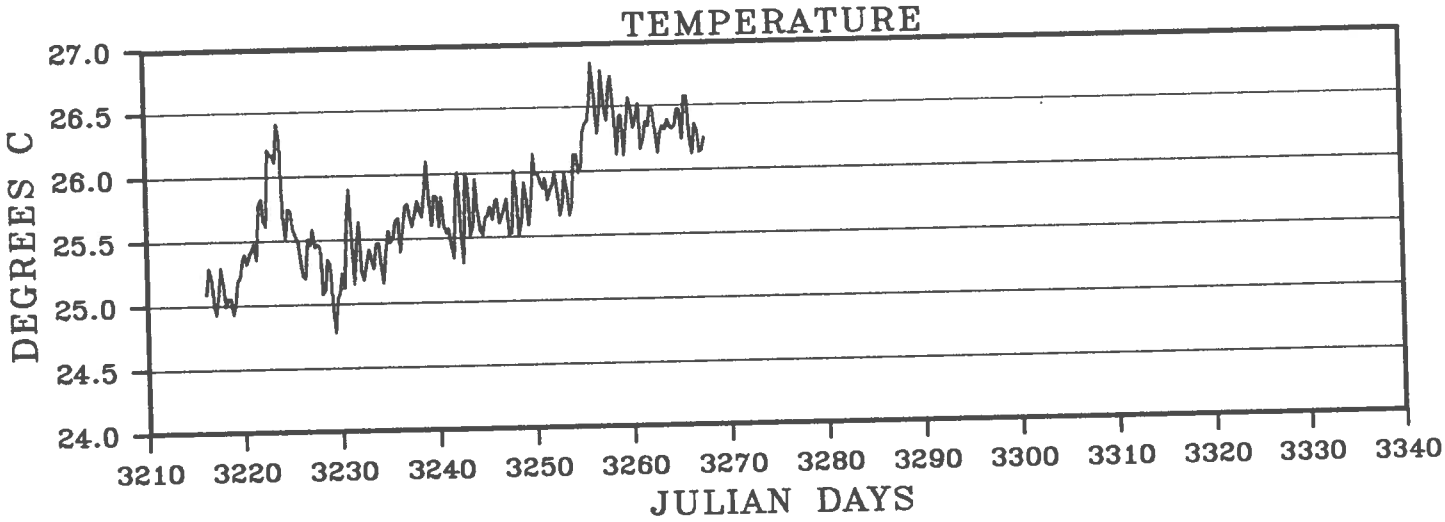
-50
-100
-150
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340


TEMPERATURE
DEGREES C
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26.5
26.0
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25.0
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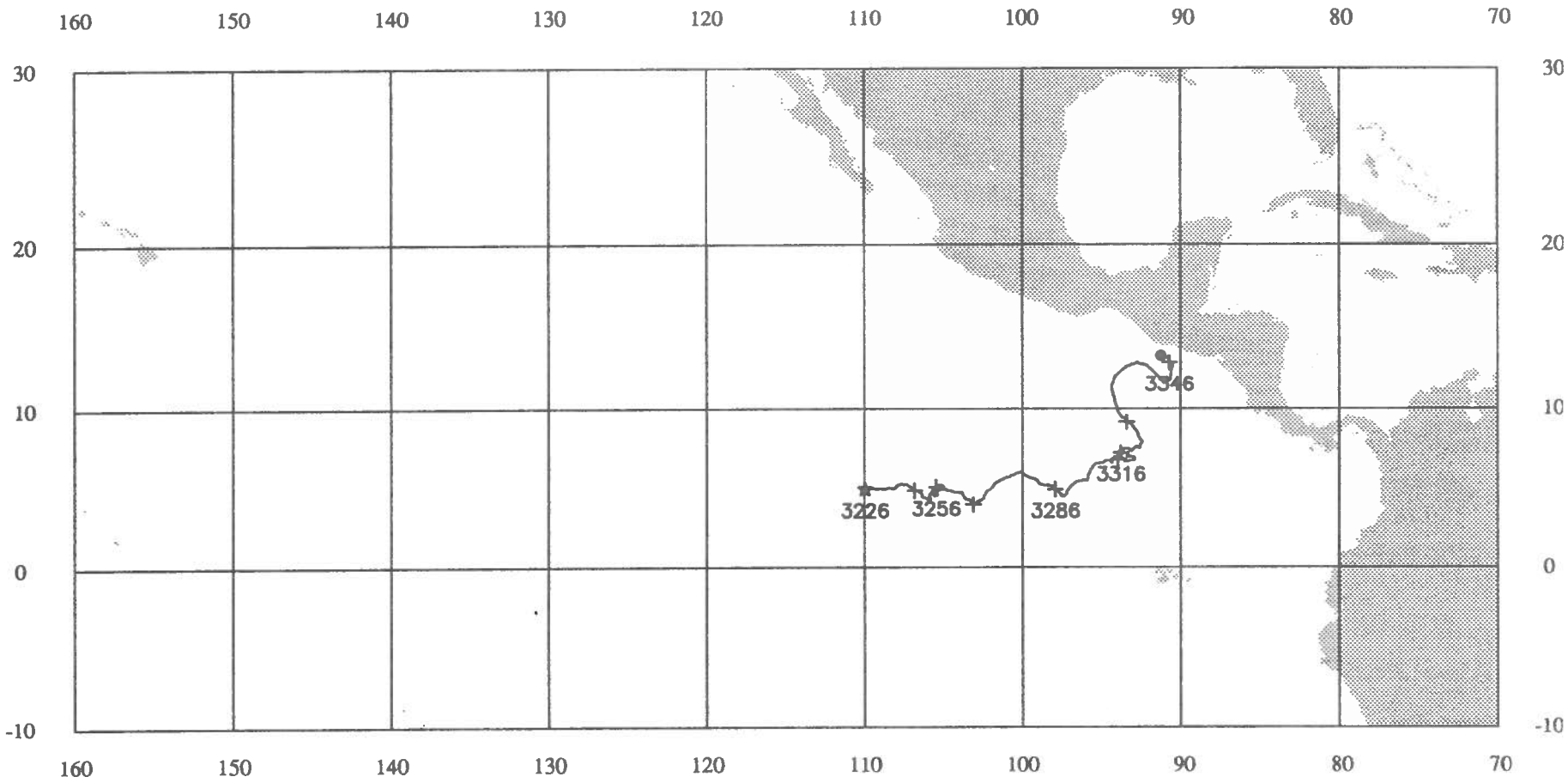
24.0
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
JULIAN DAYS

BUOY 4825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30
20
10
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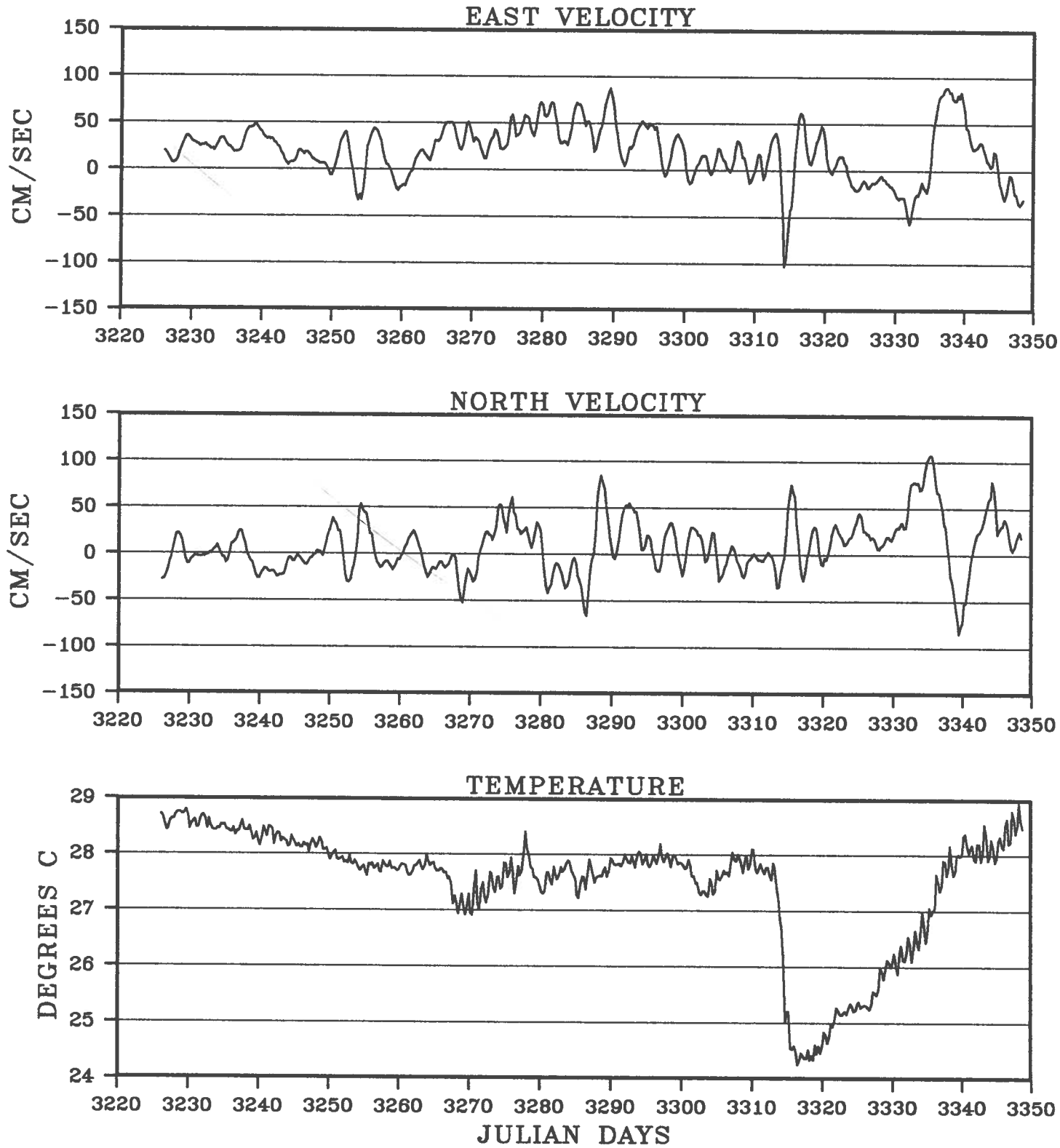
-10
3226
3256
3286
3316
3346

BUOY 4825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CM/SEC
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NORTH VELOCITY
CM/SEC
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100
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−150
3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350
TEMPERATURE
DEGREES C
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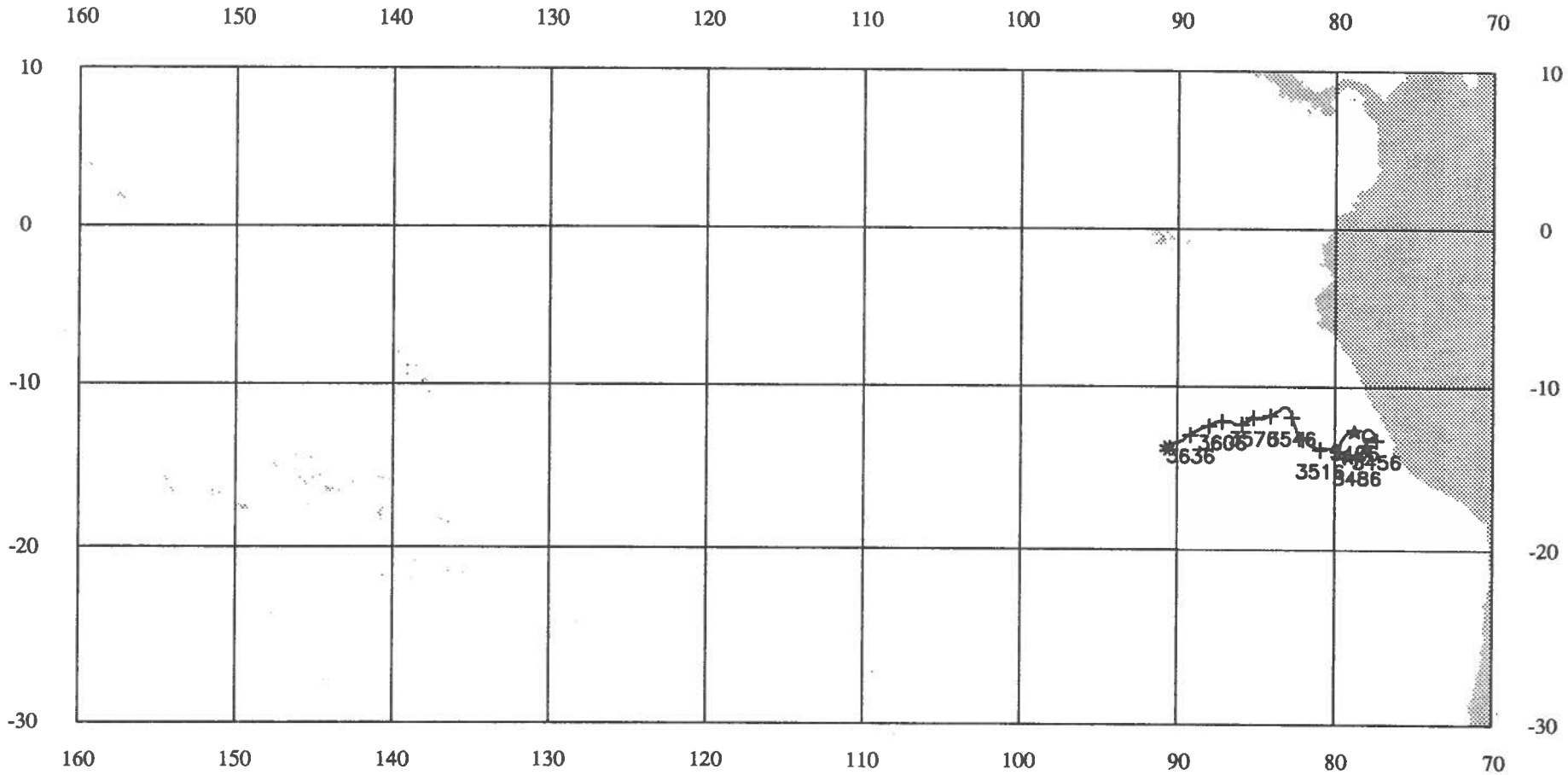
JULIAN DAYS

BUOY 4827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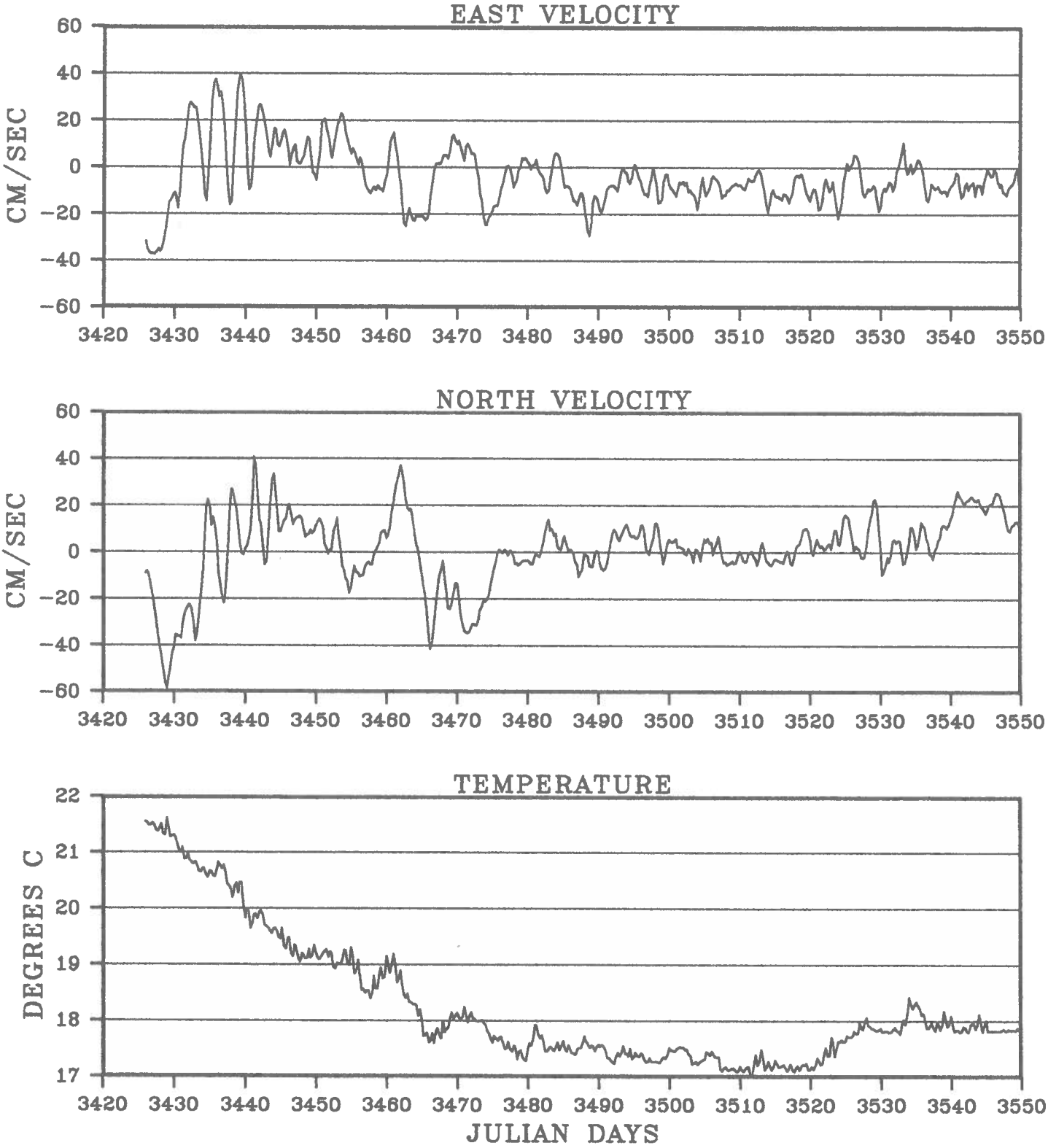
BUOY 4827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CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
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TEMPERATURE
DEGREES C
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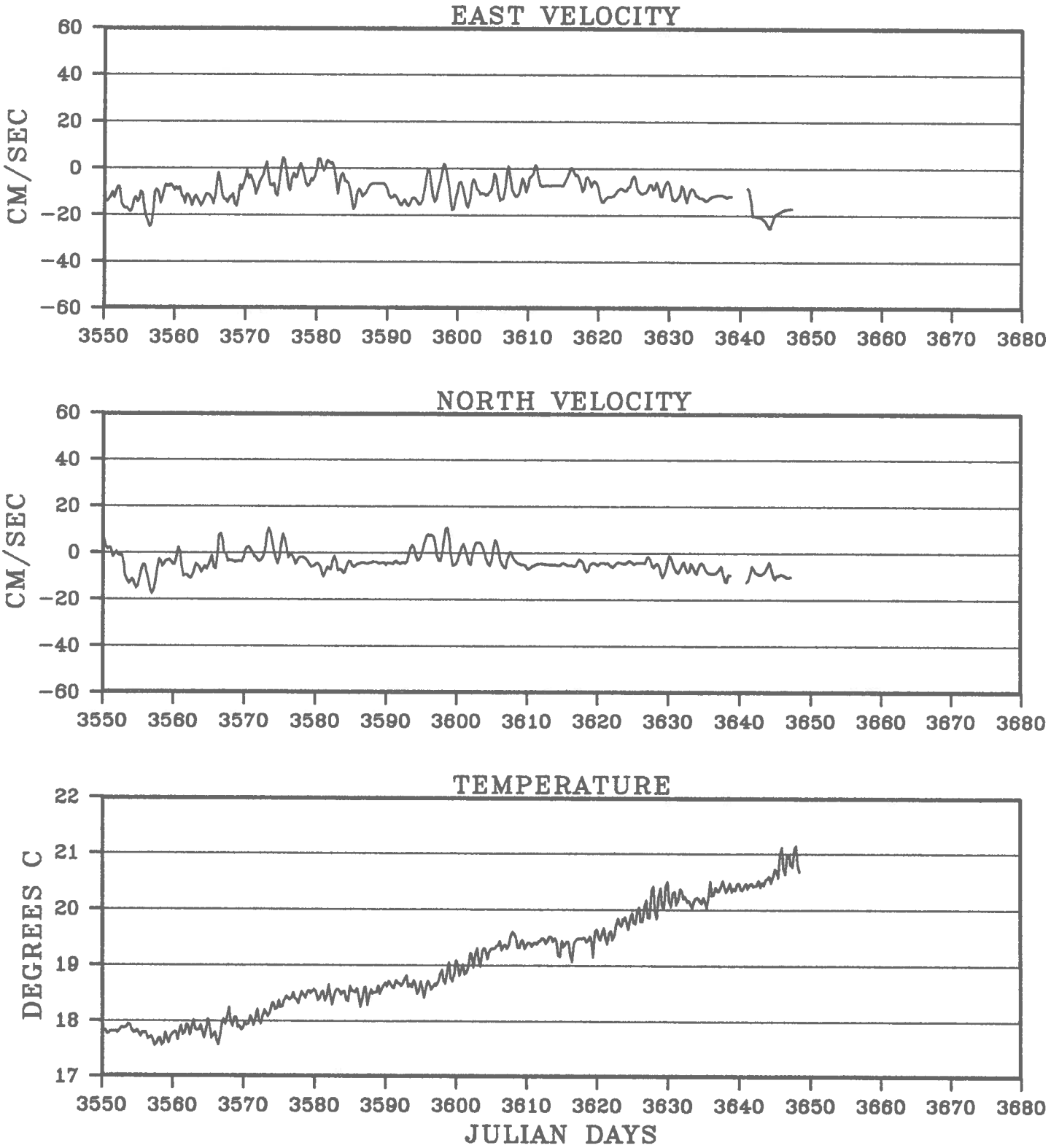
JULIAN DAYS

BUOY 4827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NORTH VELOCITY
CM/SEC
60
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TEMPERATURE
DEGREES C
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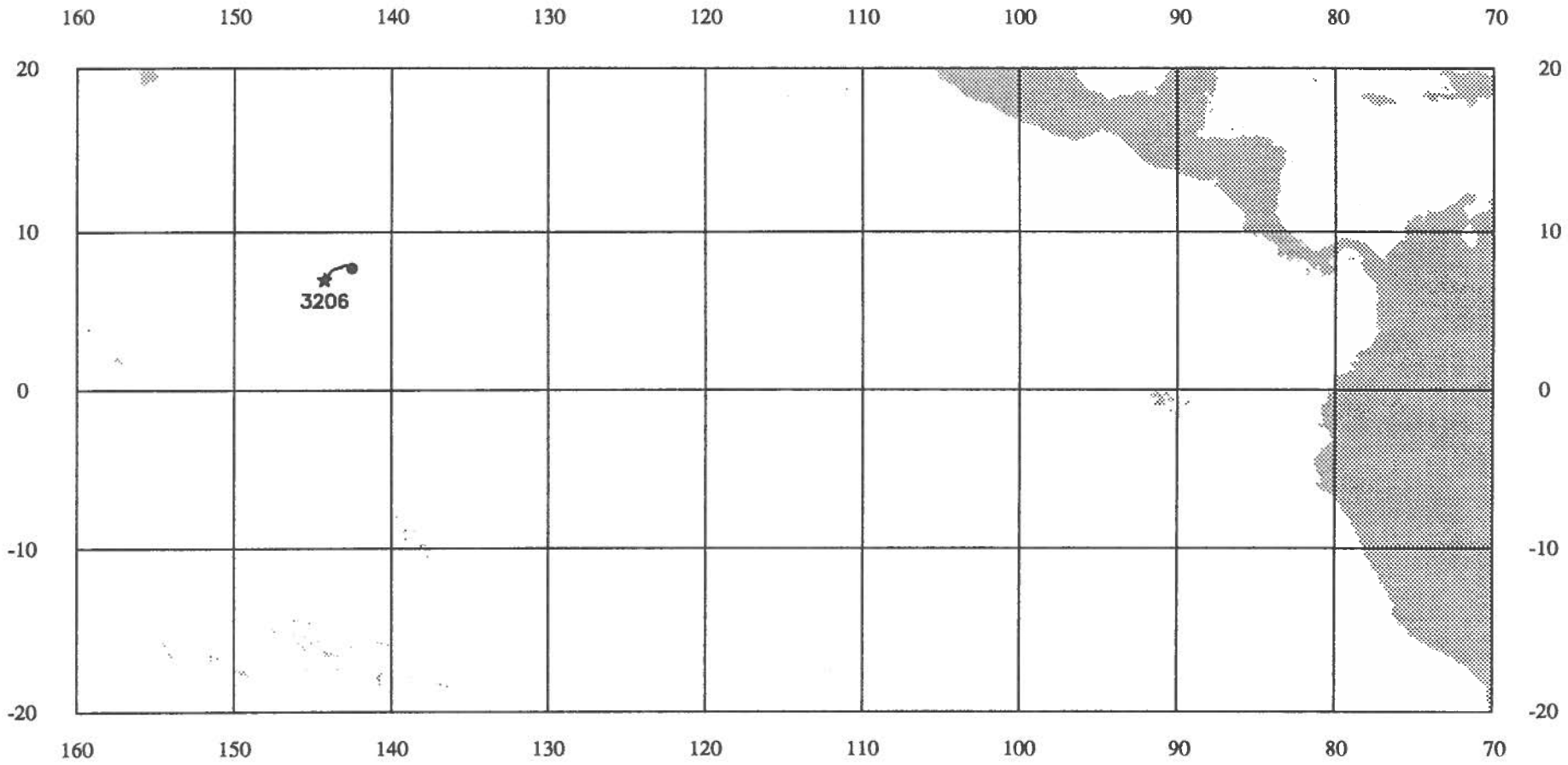
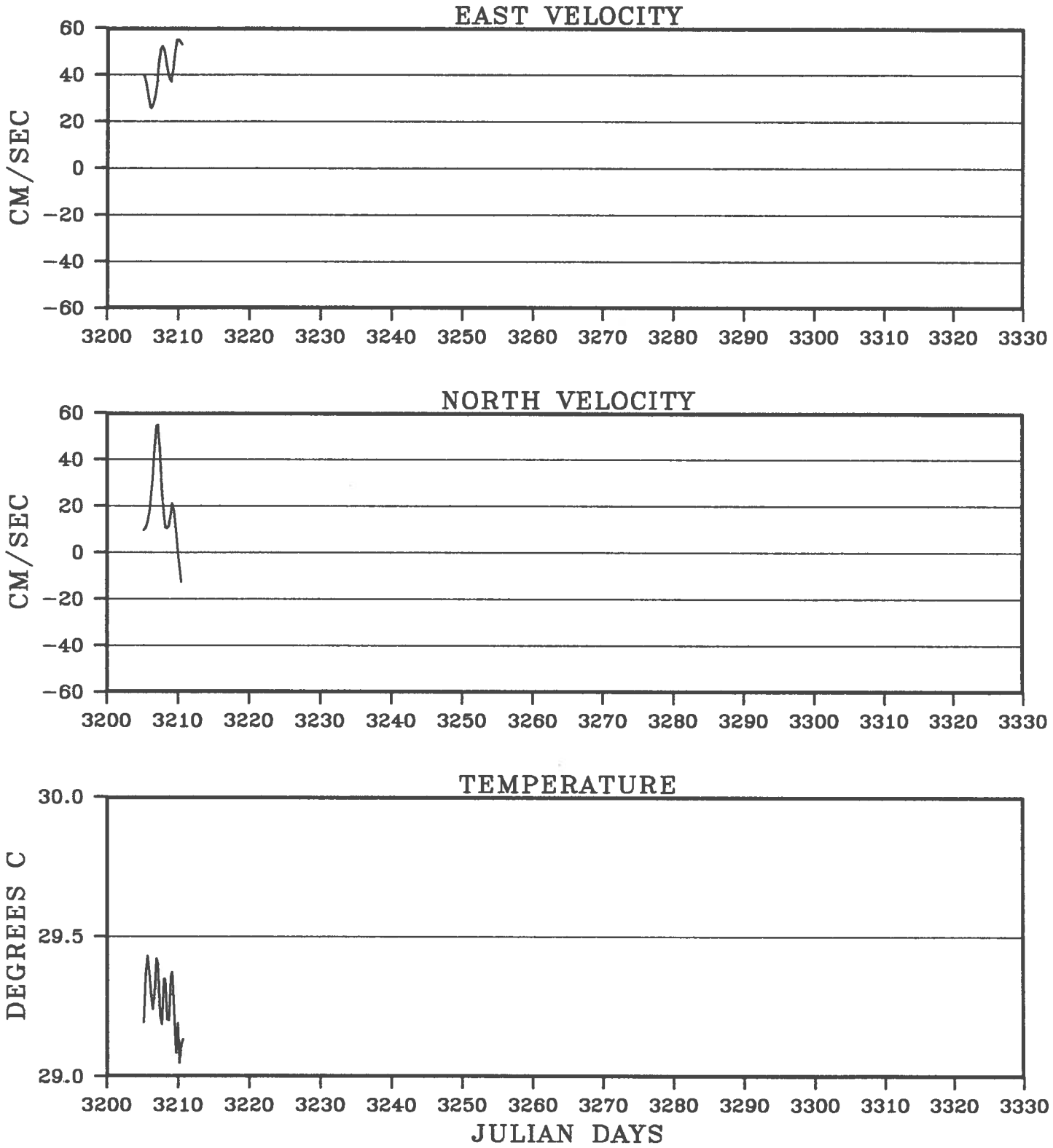
JULIAN DAYS

BUOY 6853



BUOY 6853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NORTH VELOCITY
CM/SEC
60
40
20
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−60
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TEMPERATURE
DEGREES C
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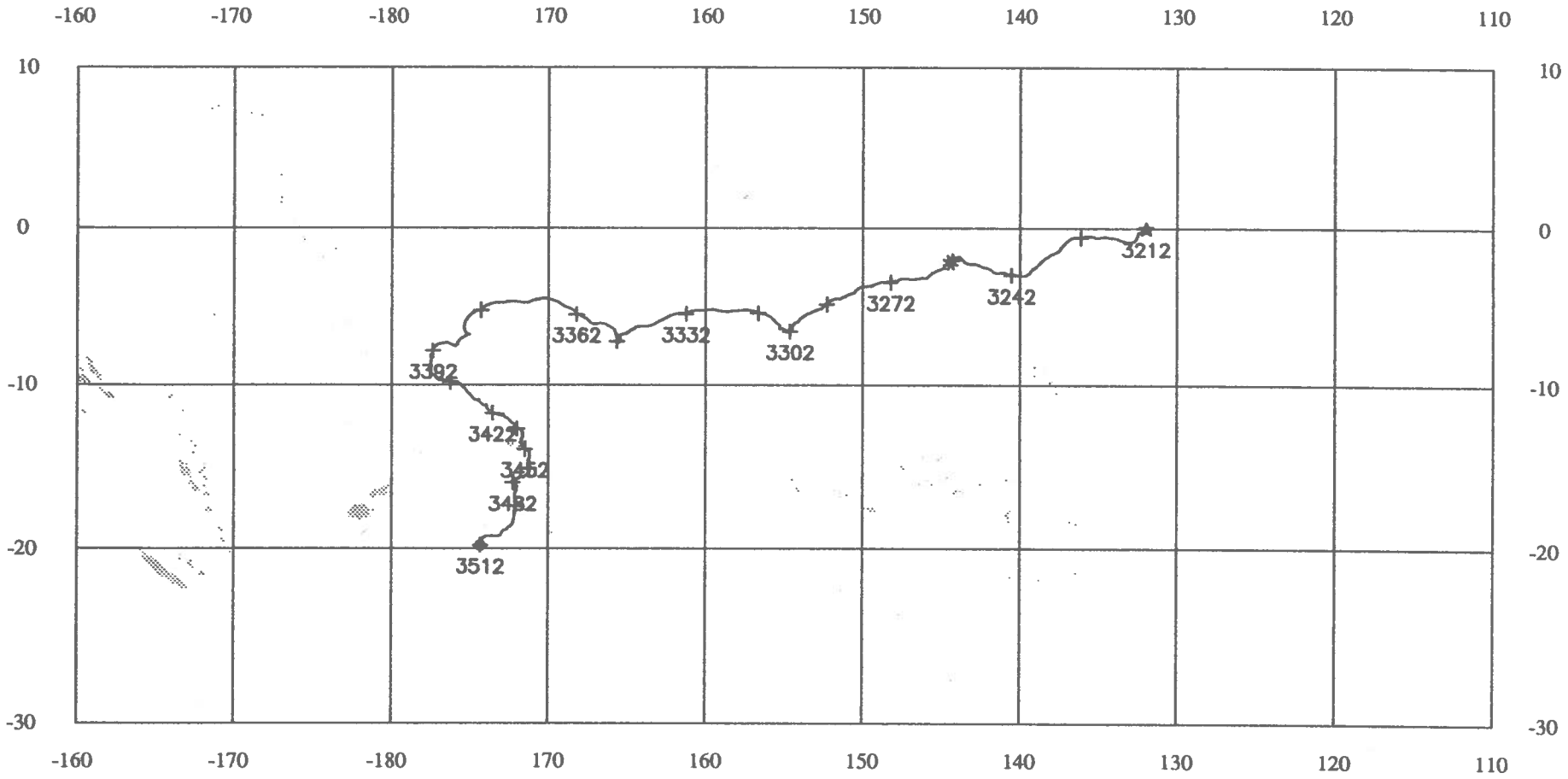
JULIAN DAYS

BUOY 6854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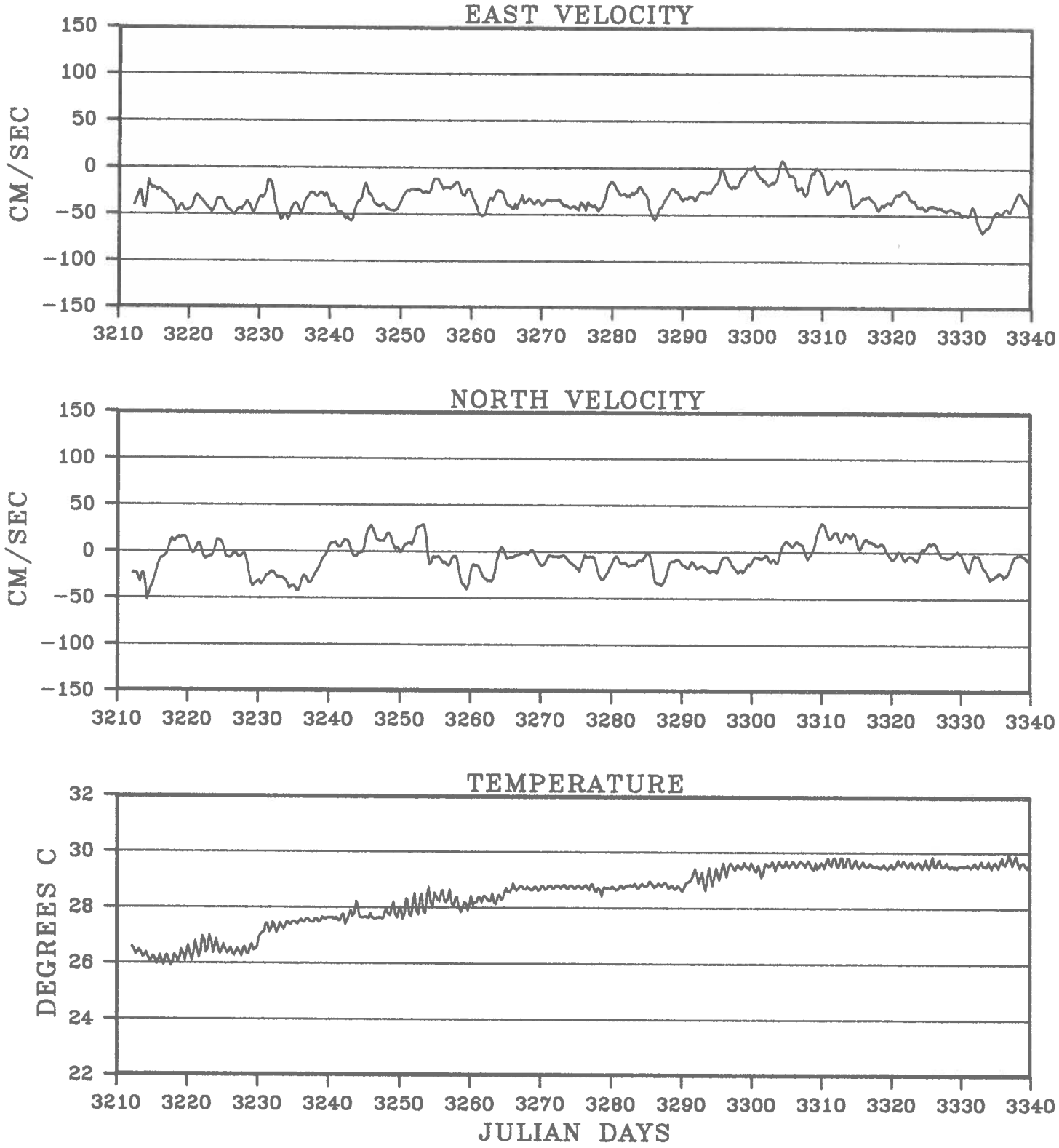
BUOY 6854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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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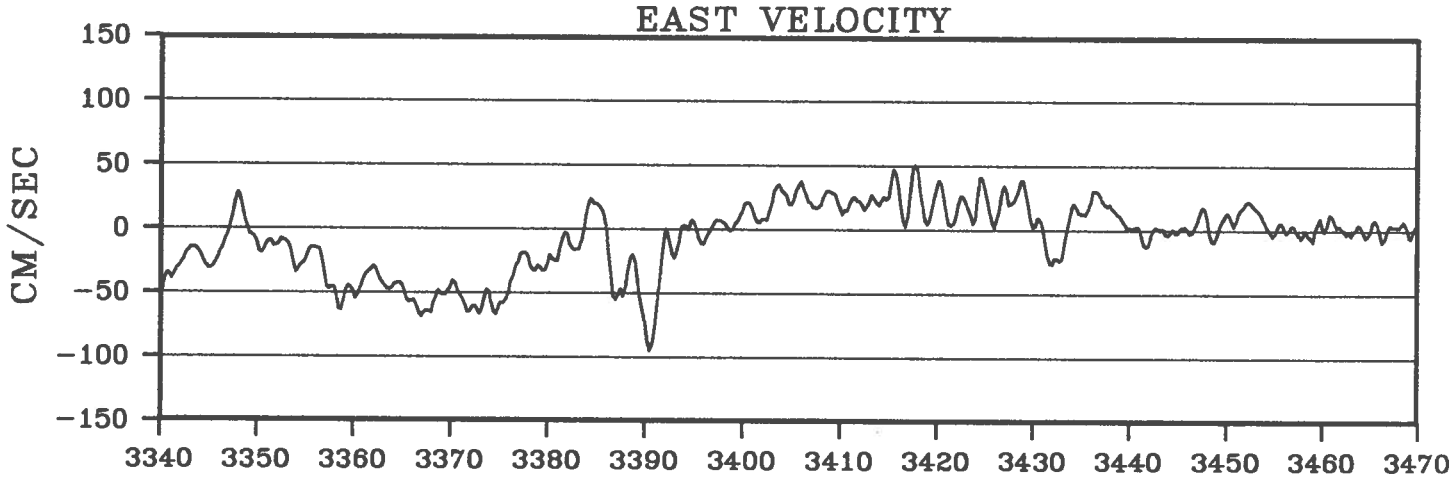
JULIAN DAYS

BUOY 6854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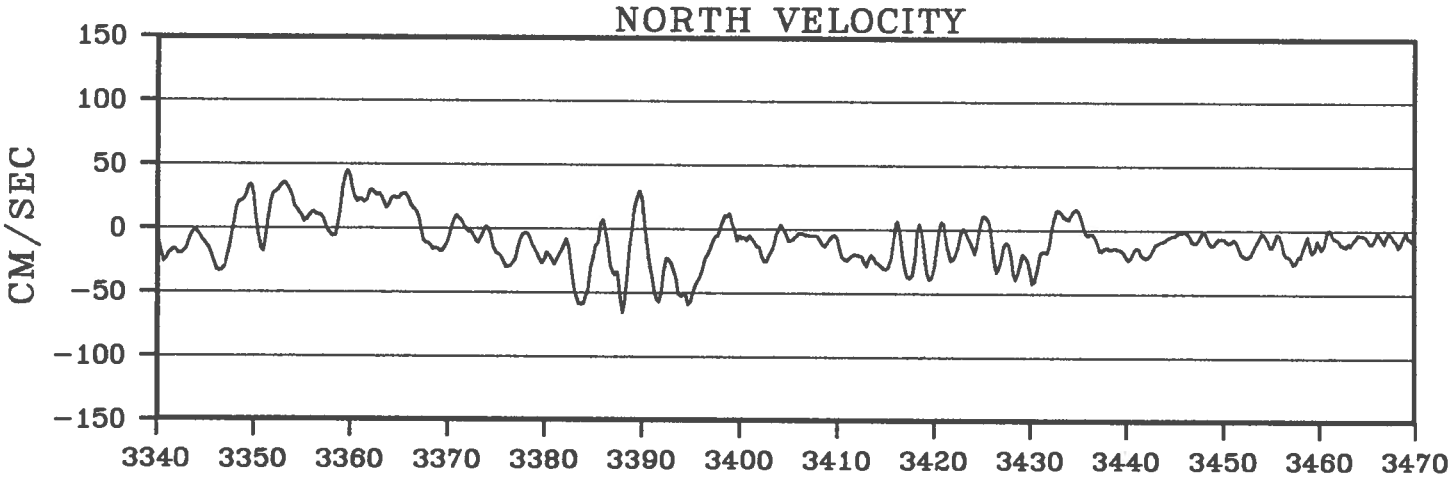
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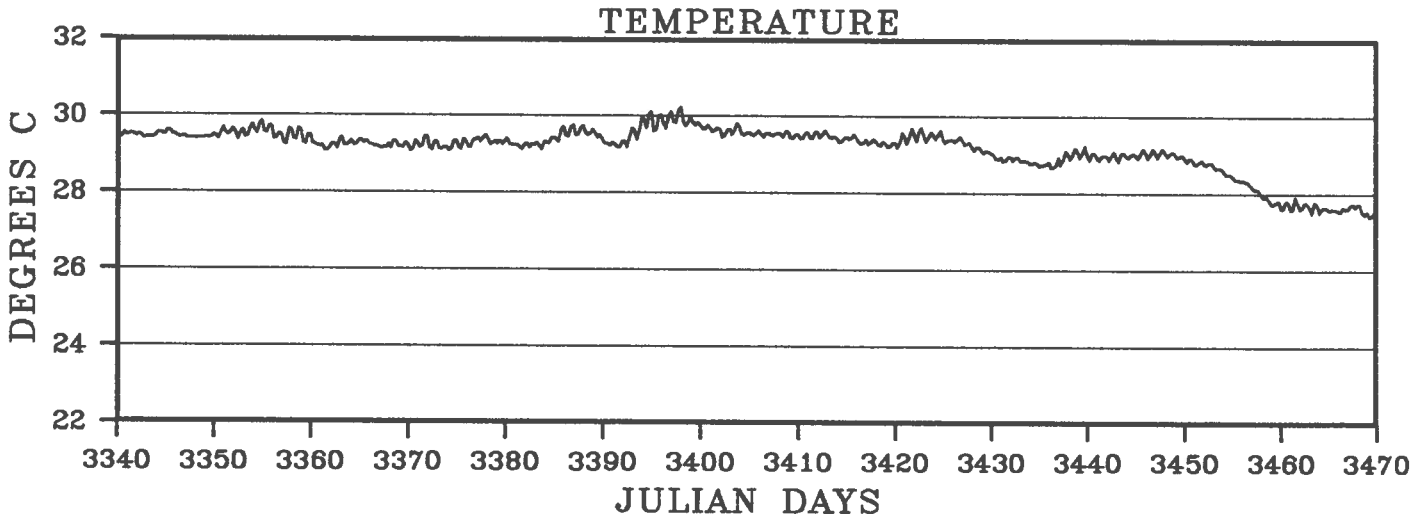
TEMPERATURE
DEGREES C
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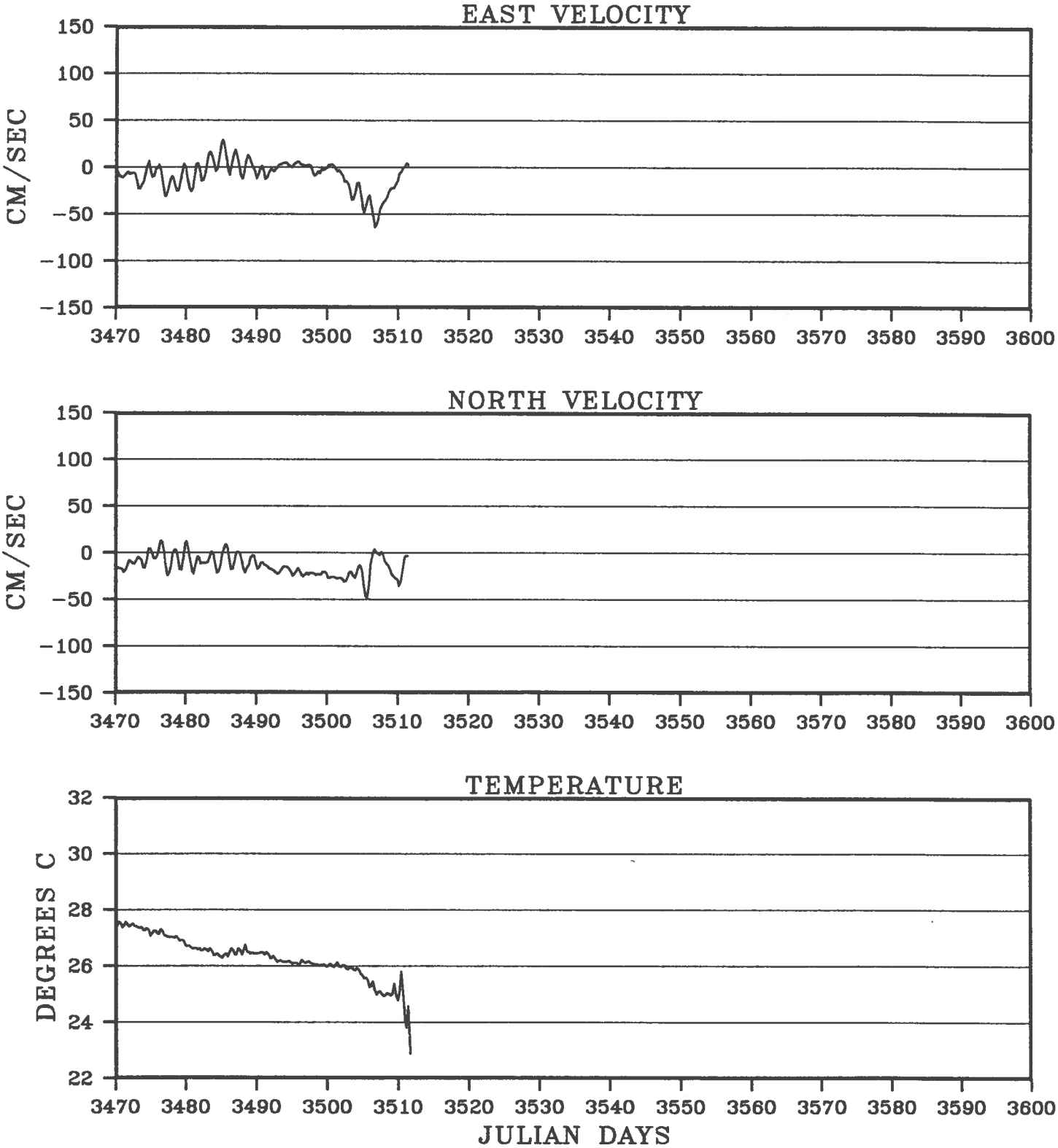
JULIAN DAYS

BUOY 6854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CM/SEC
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NORTH VELOCITY
CM/SEC
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100
50
0
-50
-100
-150
3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
TEMPERATURE
DEGREES C
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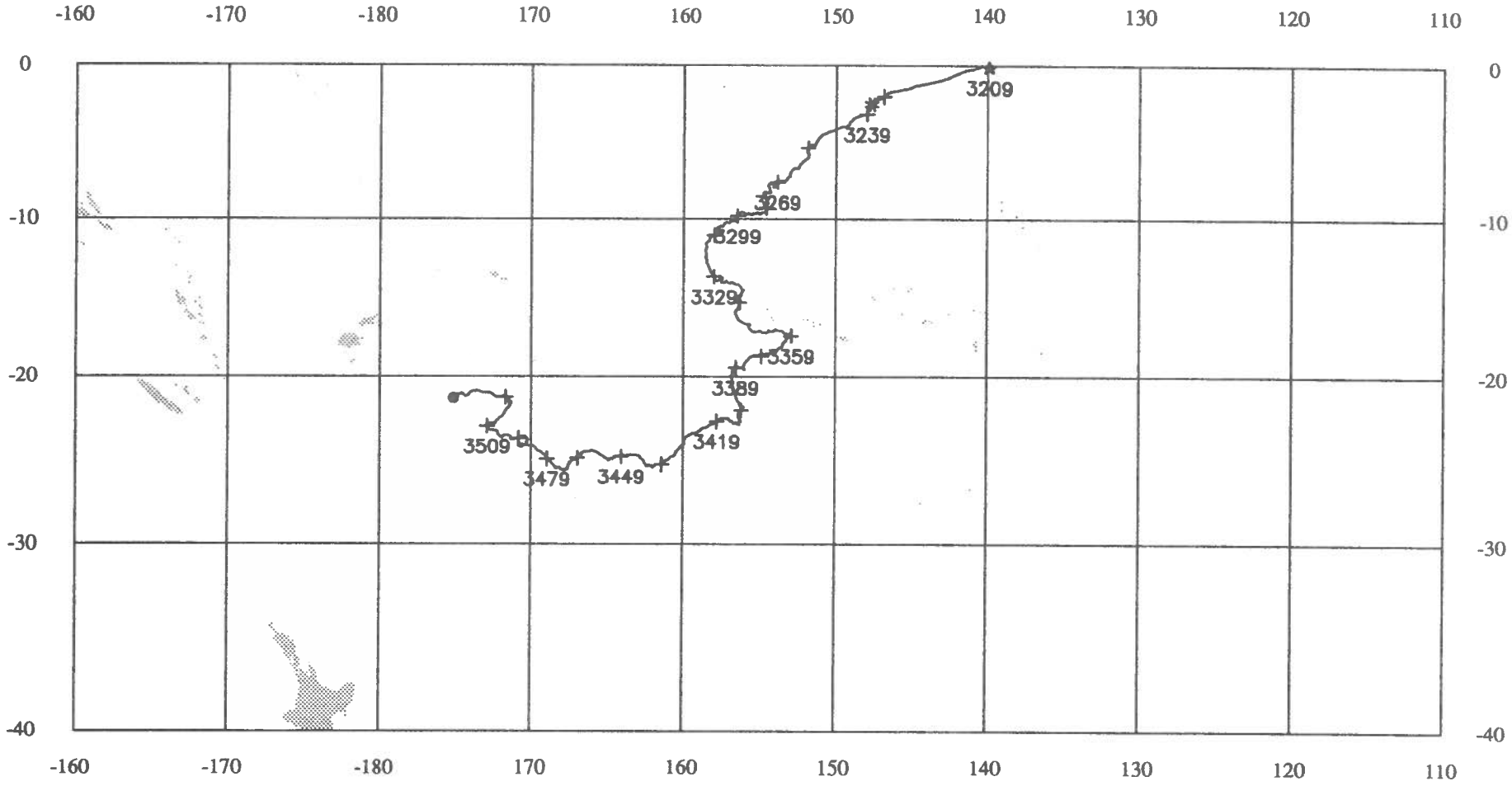
3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
JULIAN DAYS

BUOY 6855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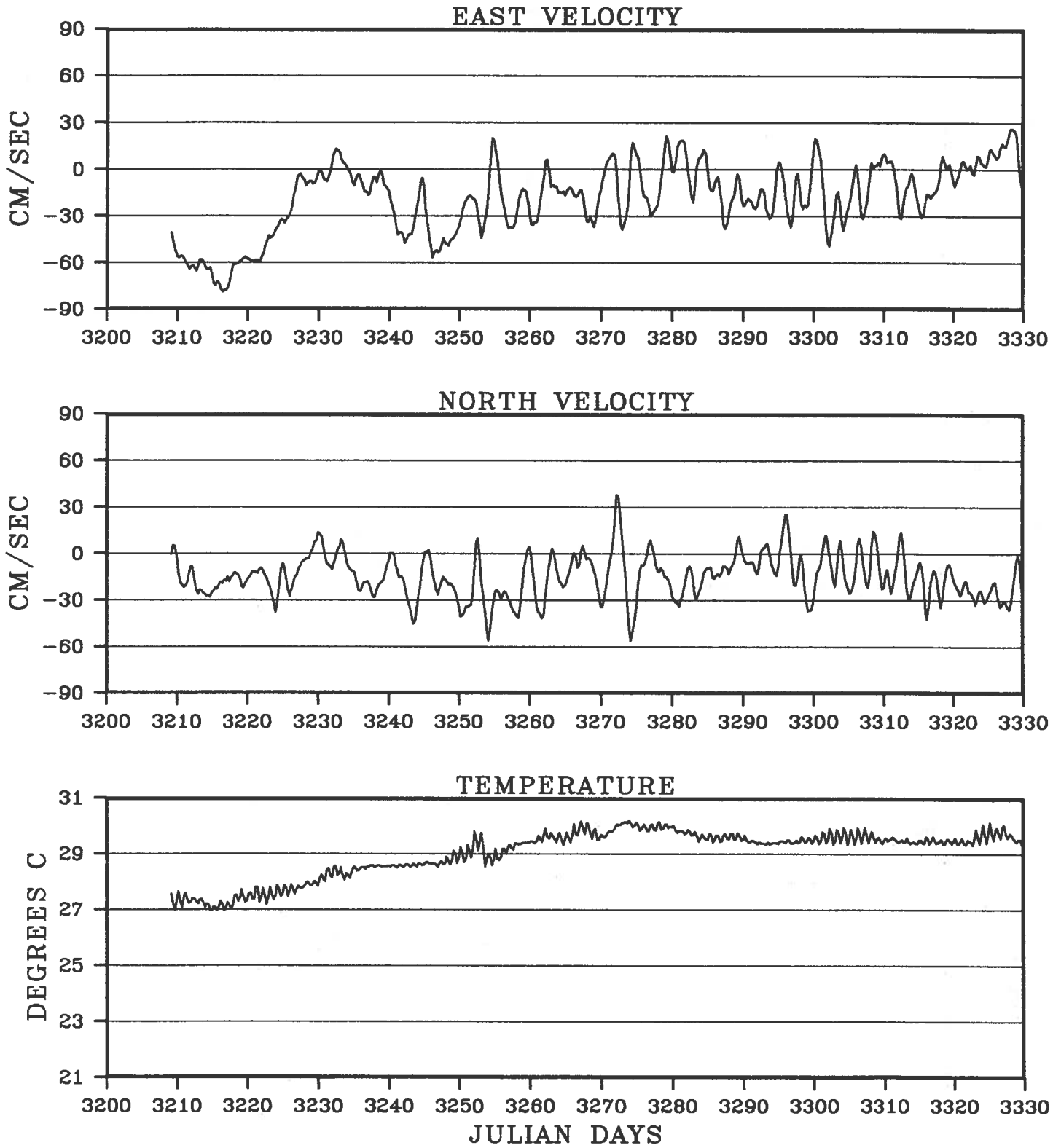
BUOY 6855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NORTH VELOCITY
CM/SEC
90
60
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TEMPERATURE
DEGREES C
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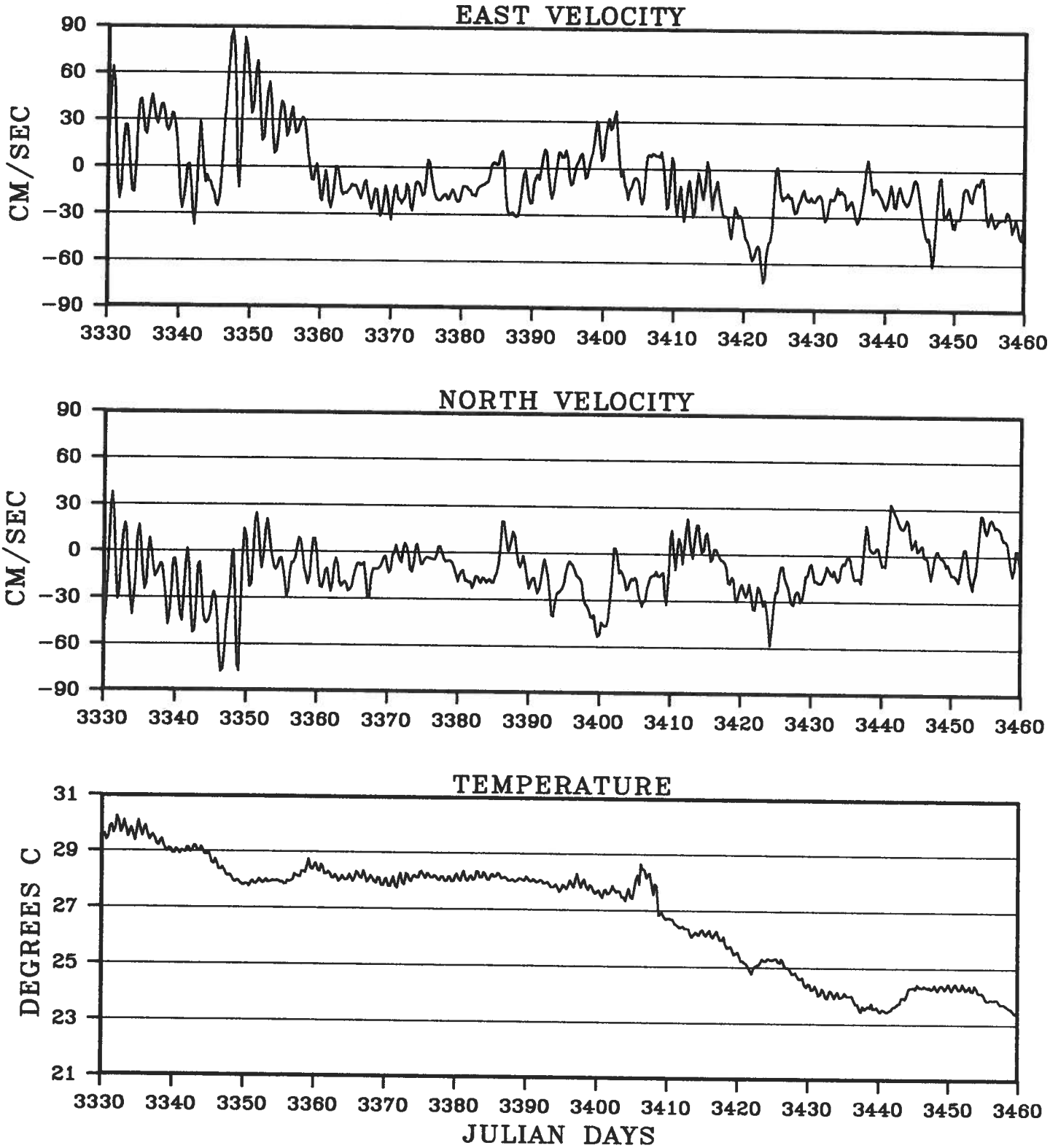
JULIAN DAYS

BUOY 6855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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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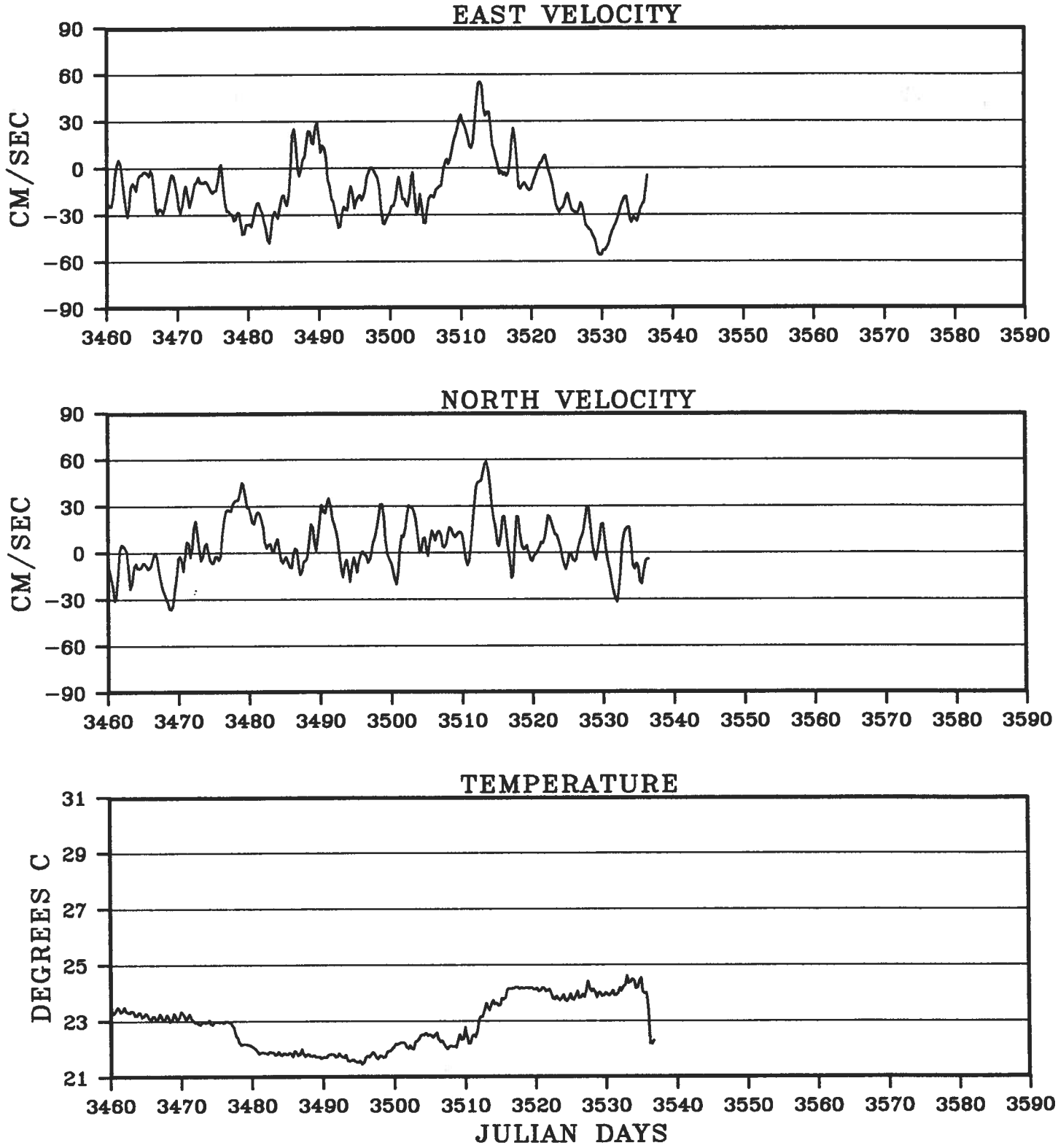
JULIAN DAYS

BUOY 6855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NORTH VELOCITY
CM/SEC
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3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590
TEMPERATURE
DEGREES C
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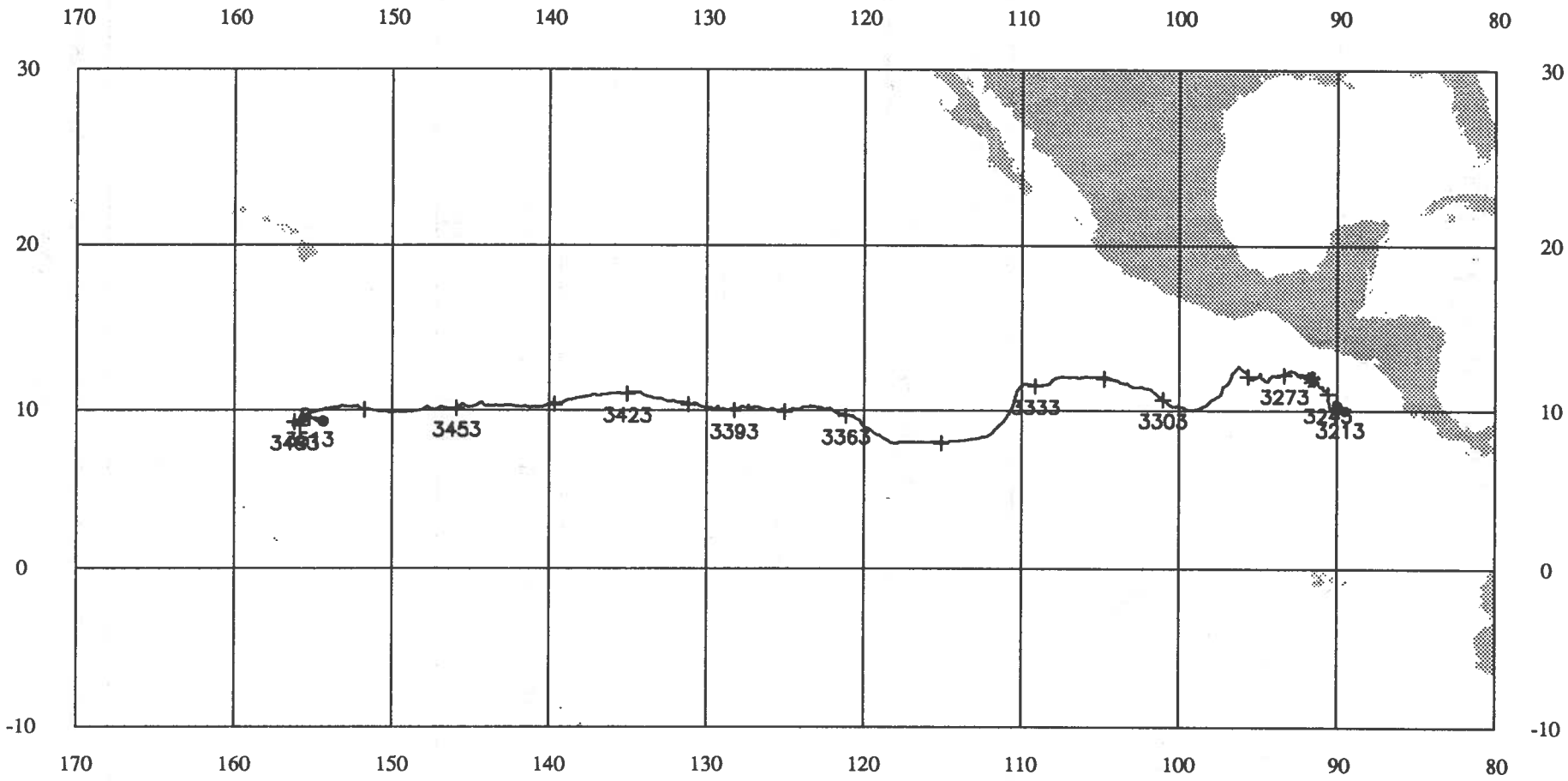
JULIAN DAYS

BUOY 6856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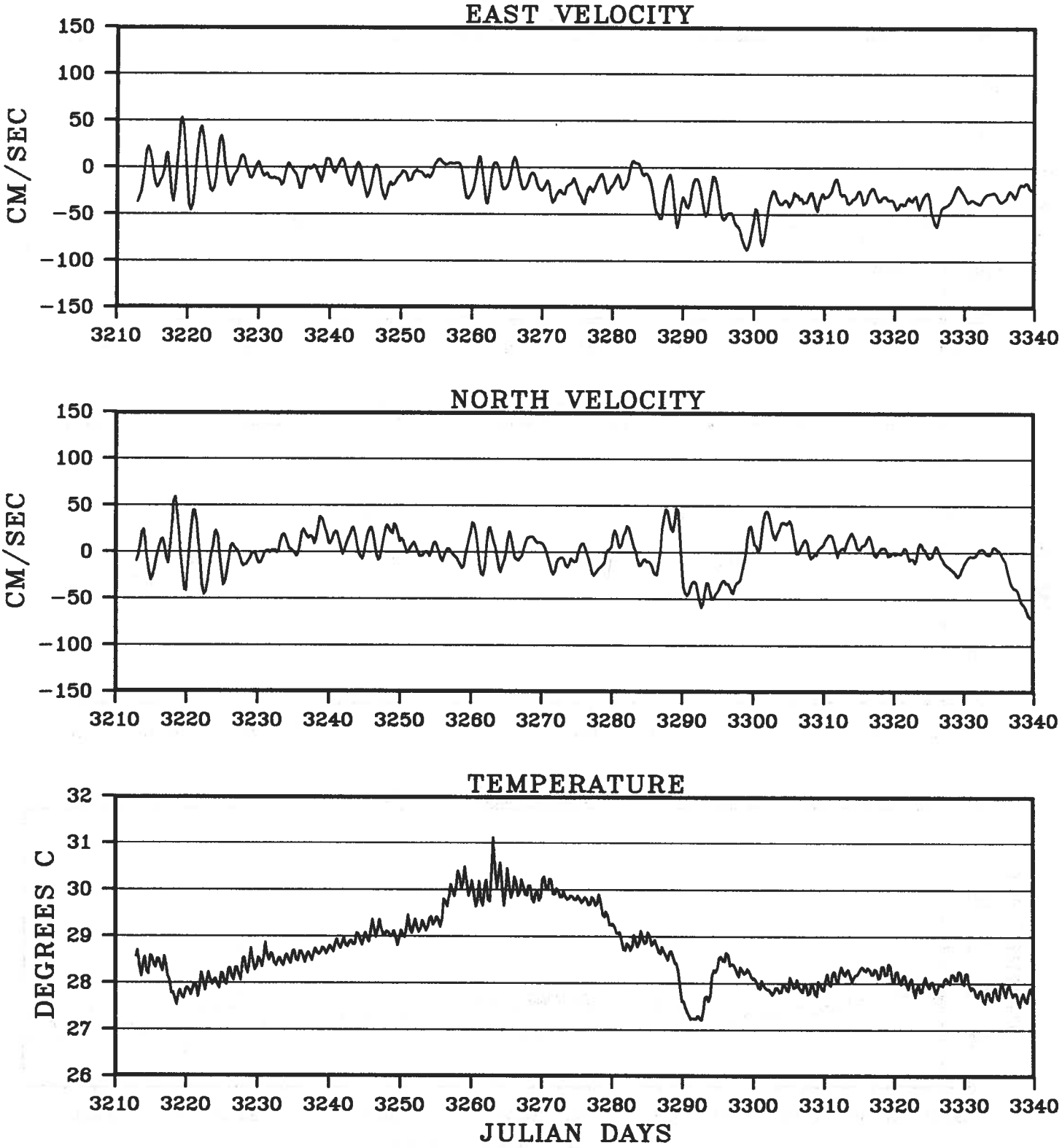
BUOY 6856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NORTH VELOCITY
CM/SEC
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3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
TEMPERATURE
DEGREES C
32
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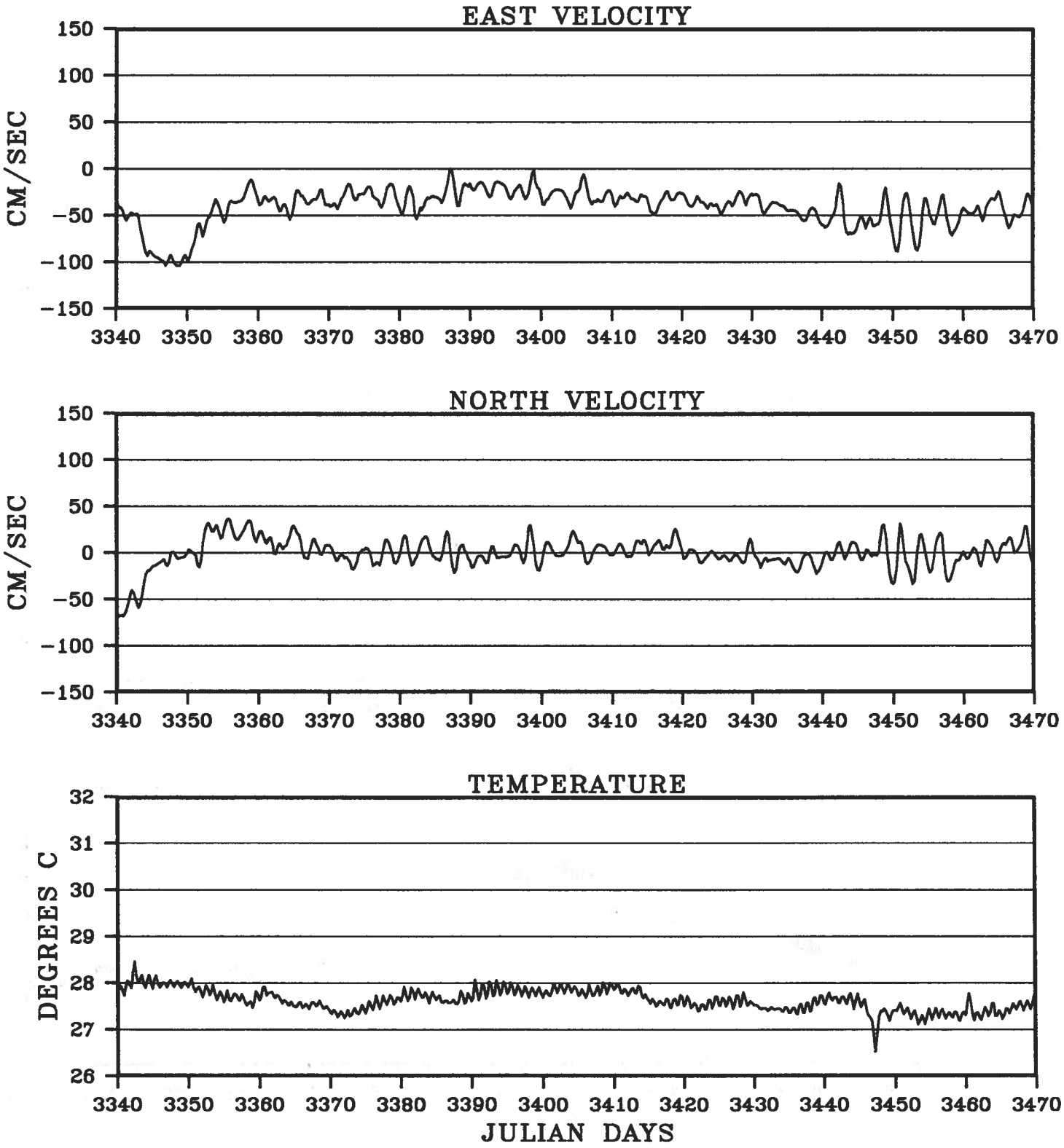
JULIAN DAYS

BUOY 6856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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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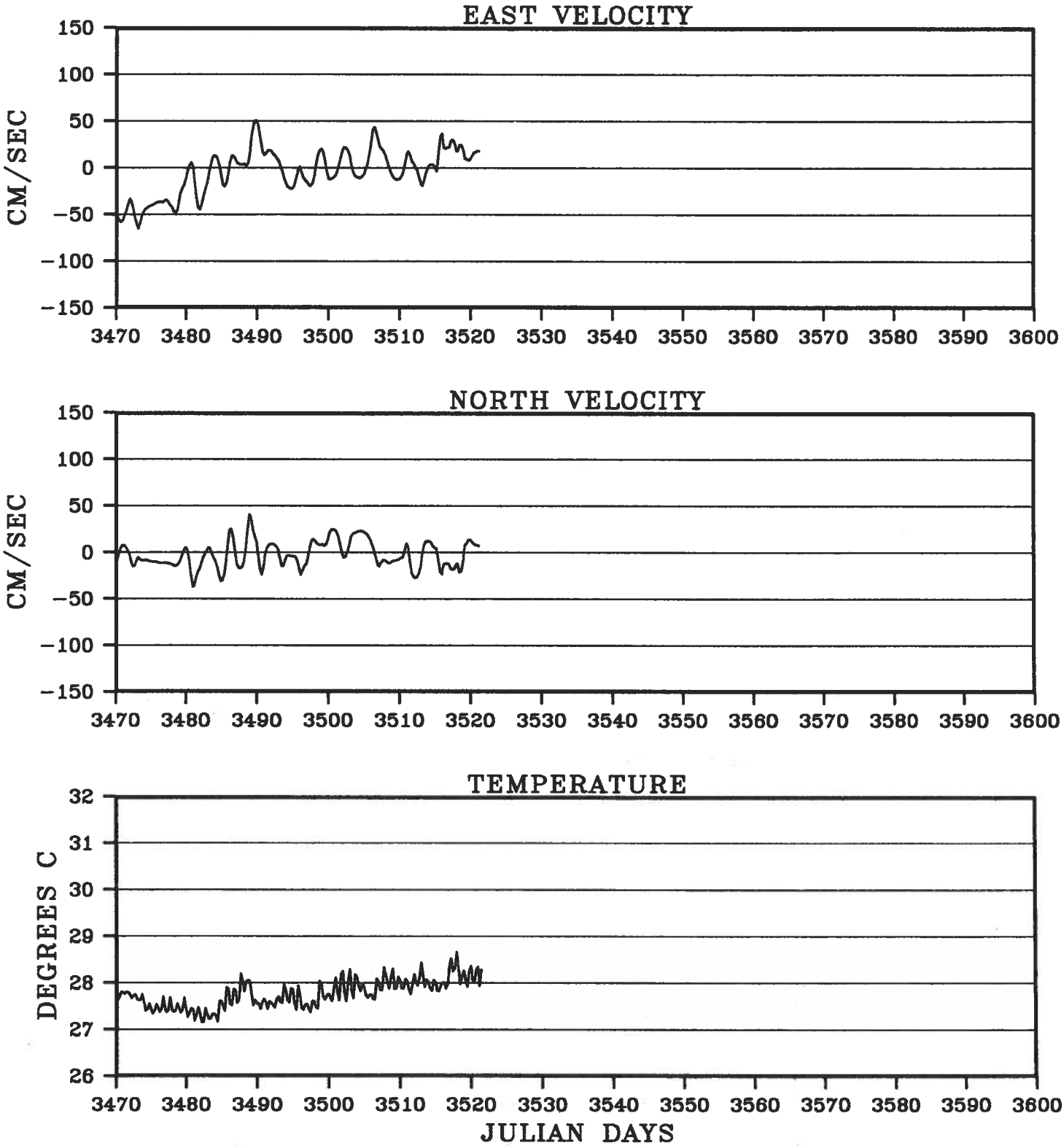
JULIAN DAYS

BUOY 6856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NORTH VELOCITY
CM/SEC
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100
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−100
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3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600
TEMPERATURE
DEGREES C
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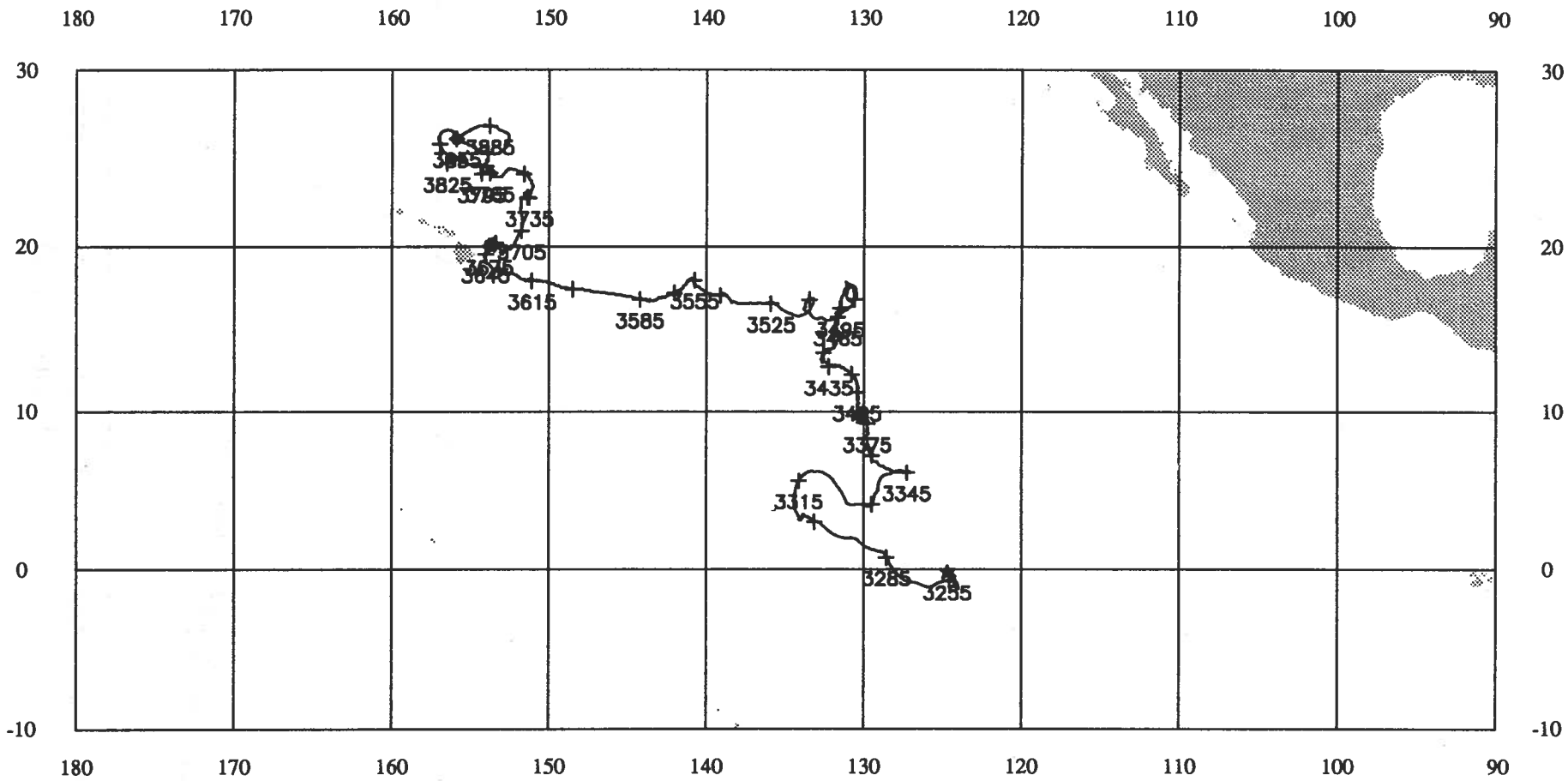
JULIAN DAYS

BUOY 6857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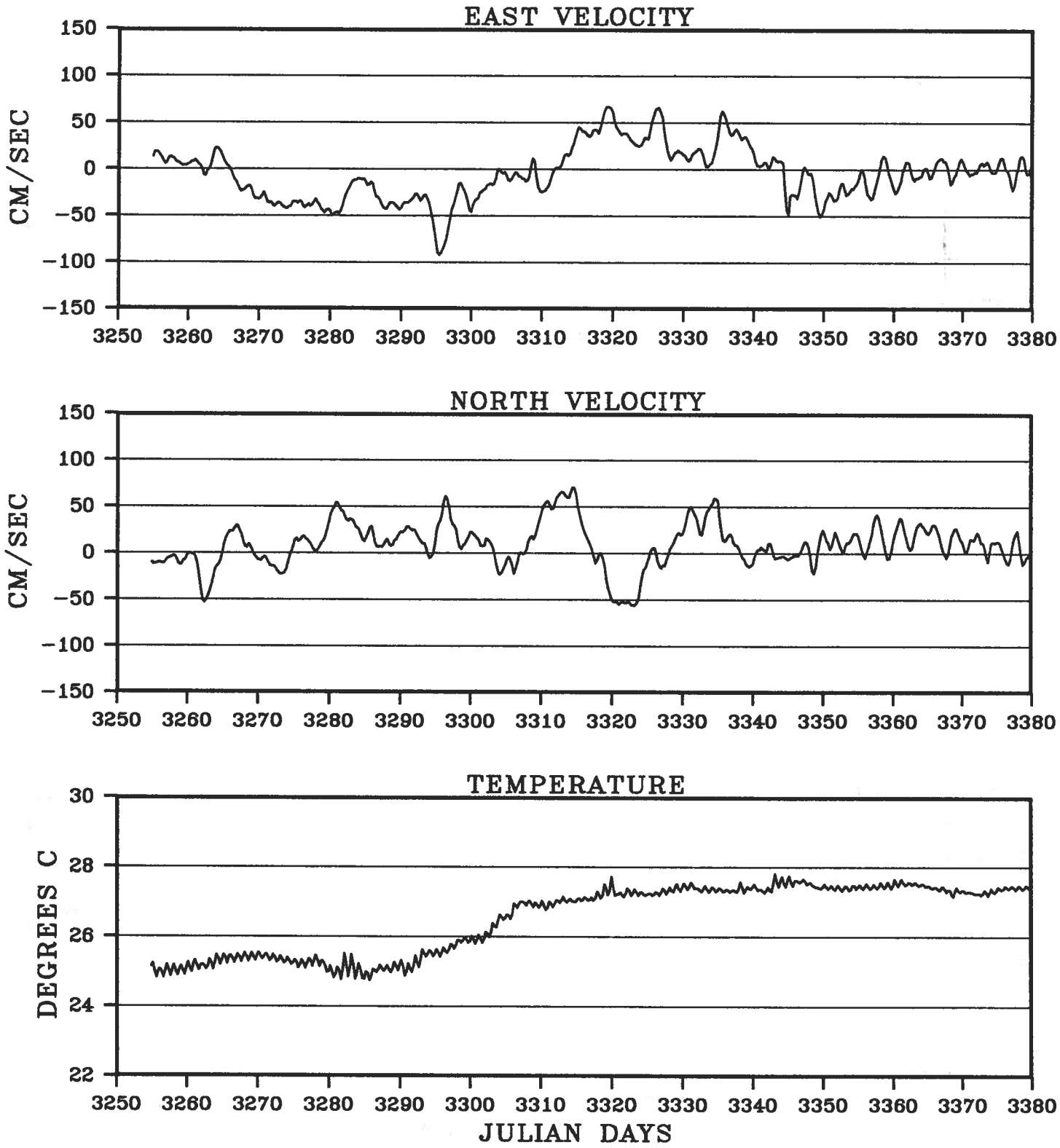
BUOY 6857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NORTH VELOCITY
CM/SEC
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0
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-100
-150
3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380
TEMPERATURE
DEGREES C
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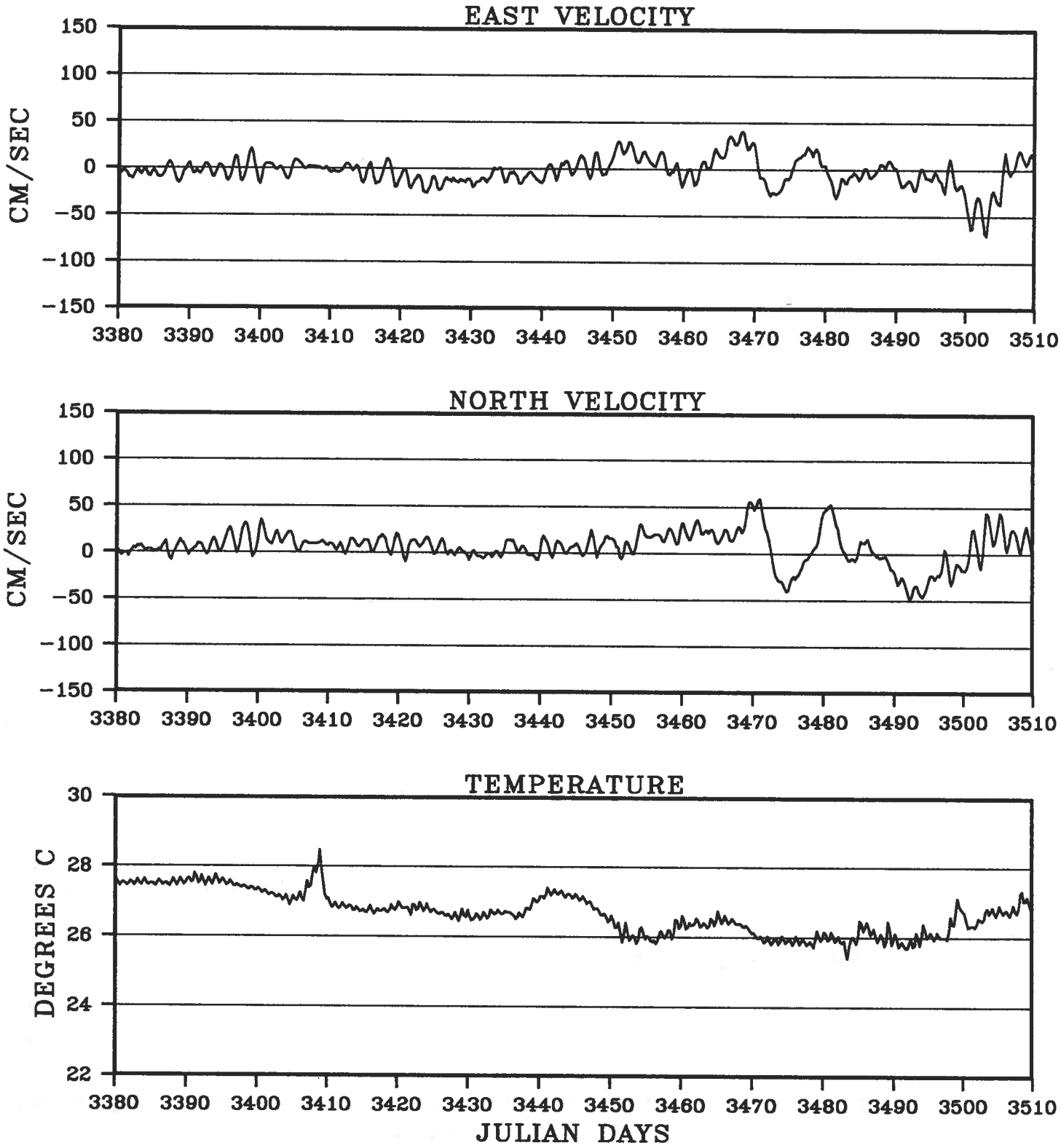
JULIAN DAYS

BUOY 6857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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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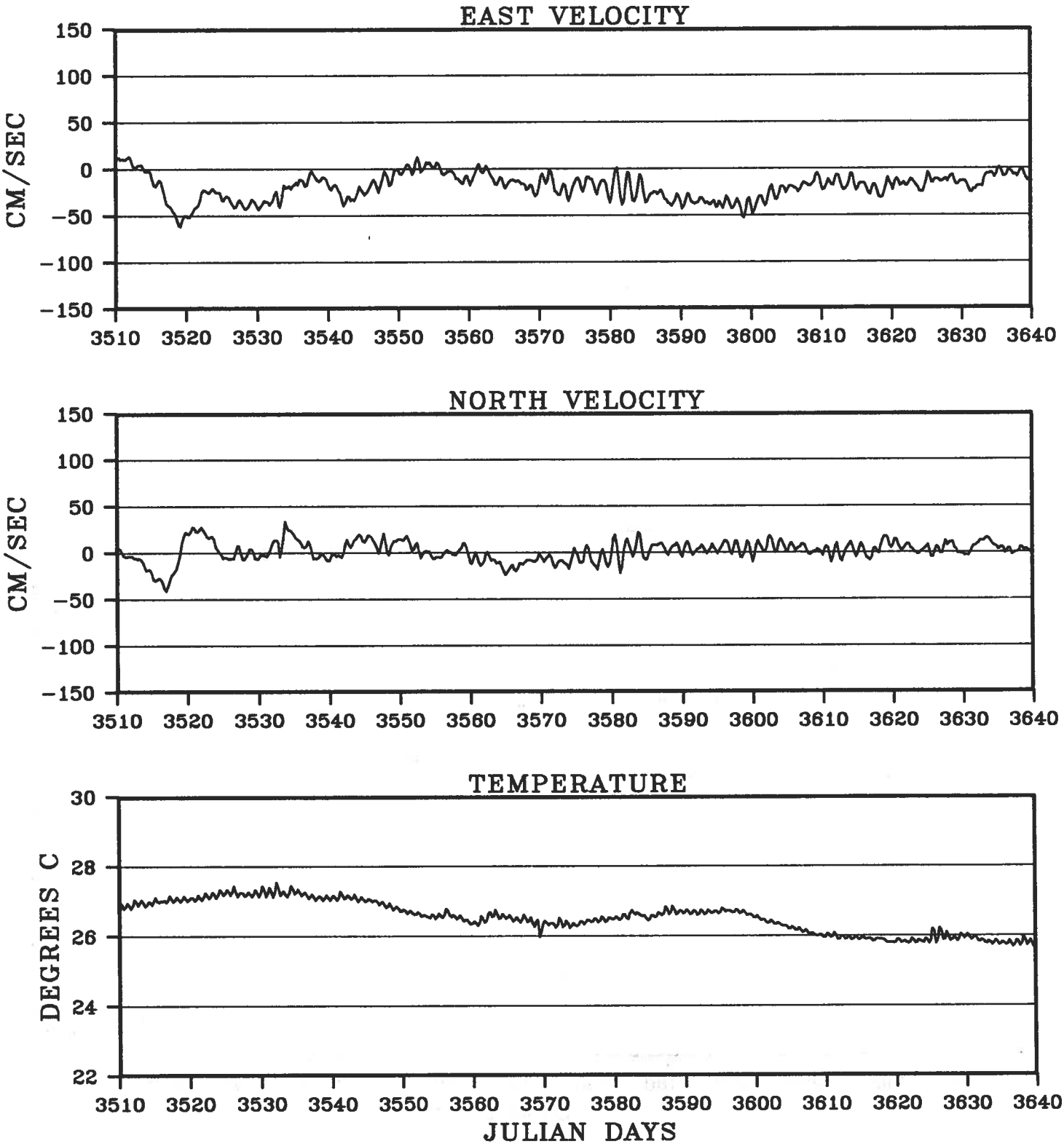
JULIAN DAYS

BUOY 6857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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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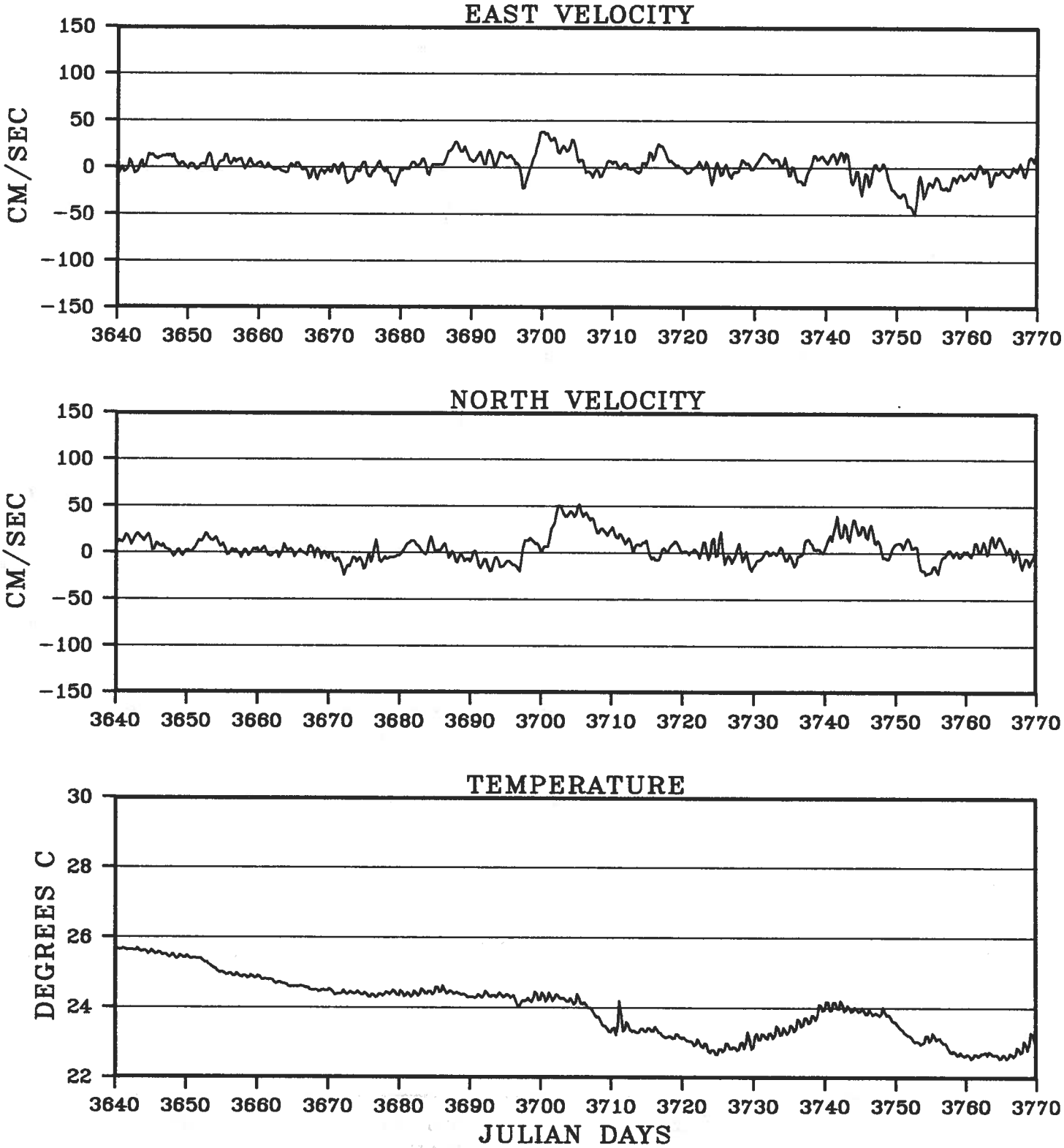
JULIAN DAYS

BUOY 6857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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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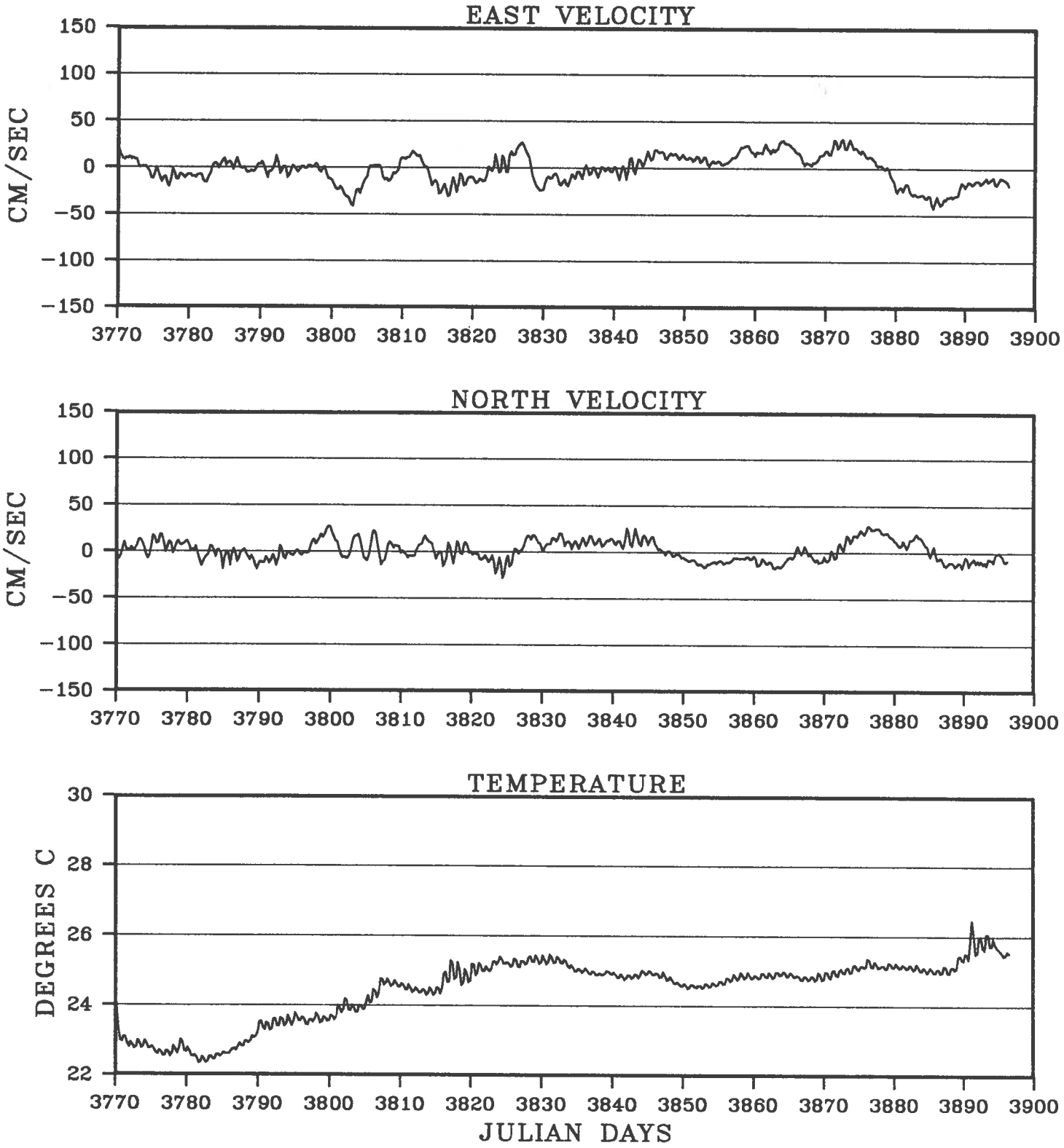
JULIAN DAYS

BUOY 6857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NORTH VELOCITY
CM/SEC
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−50
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−150
3770 3780 3790 3800 3810 3820 3830 3840 3850 3860 3870 3880 3890 3900
TEMPERATURE
DEGREES C
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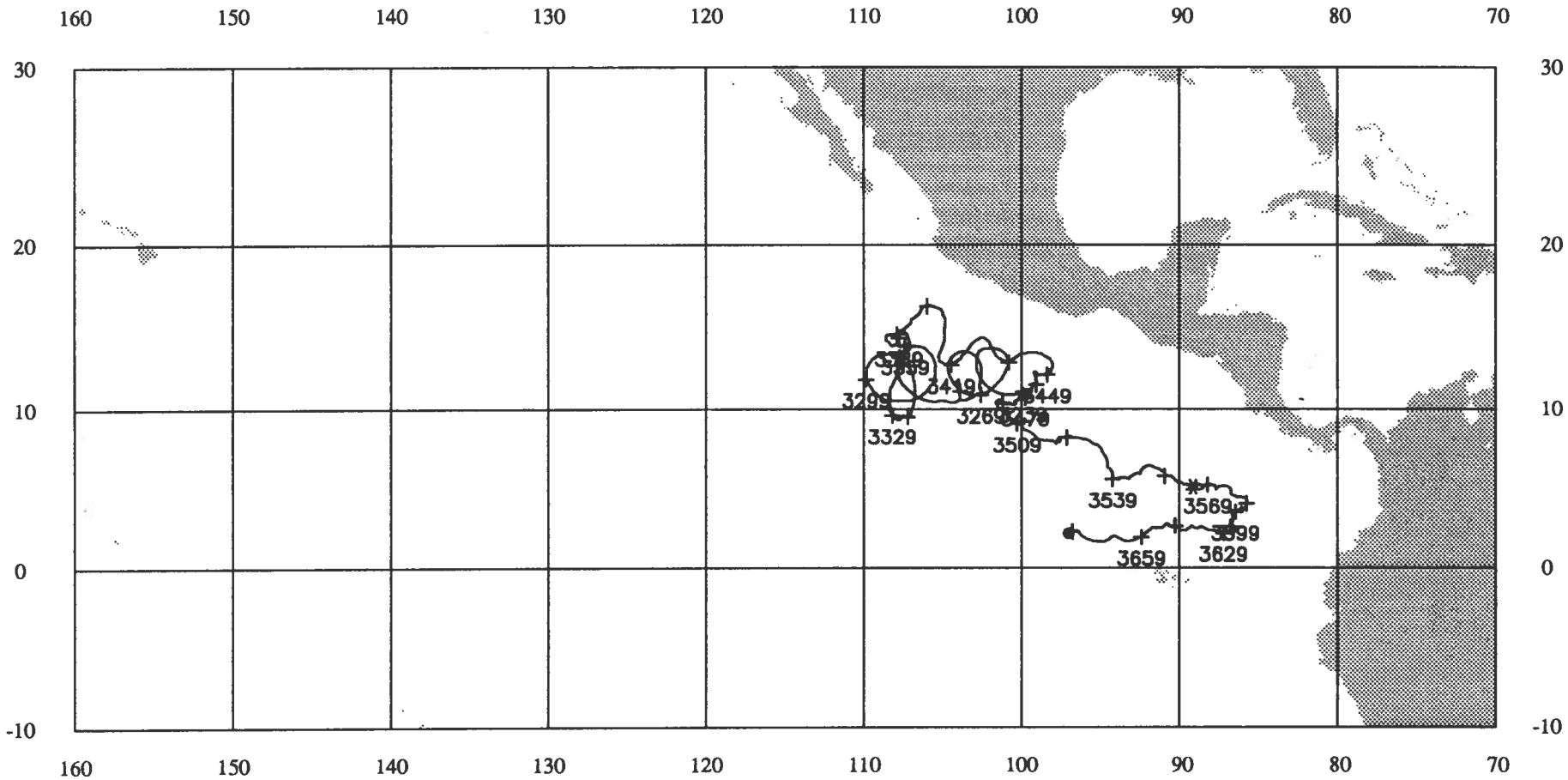
JULIAN DAYS

BUOY 6858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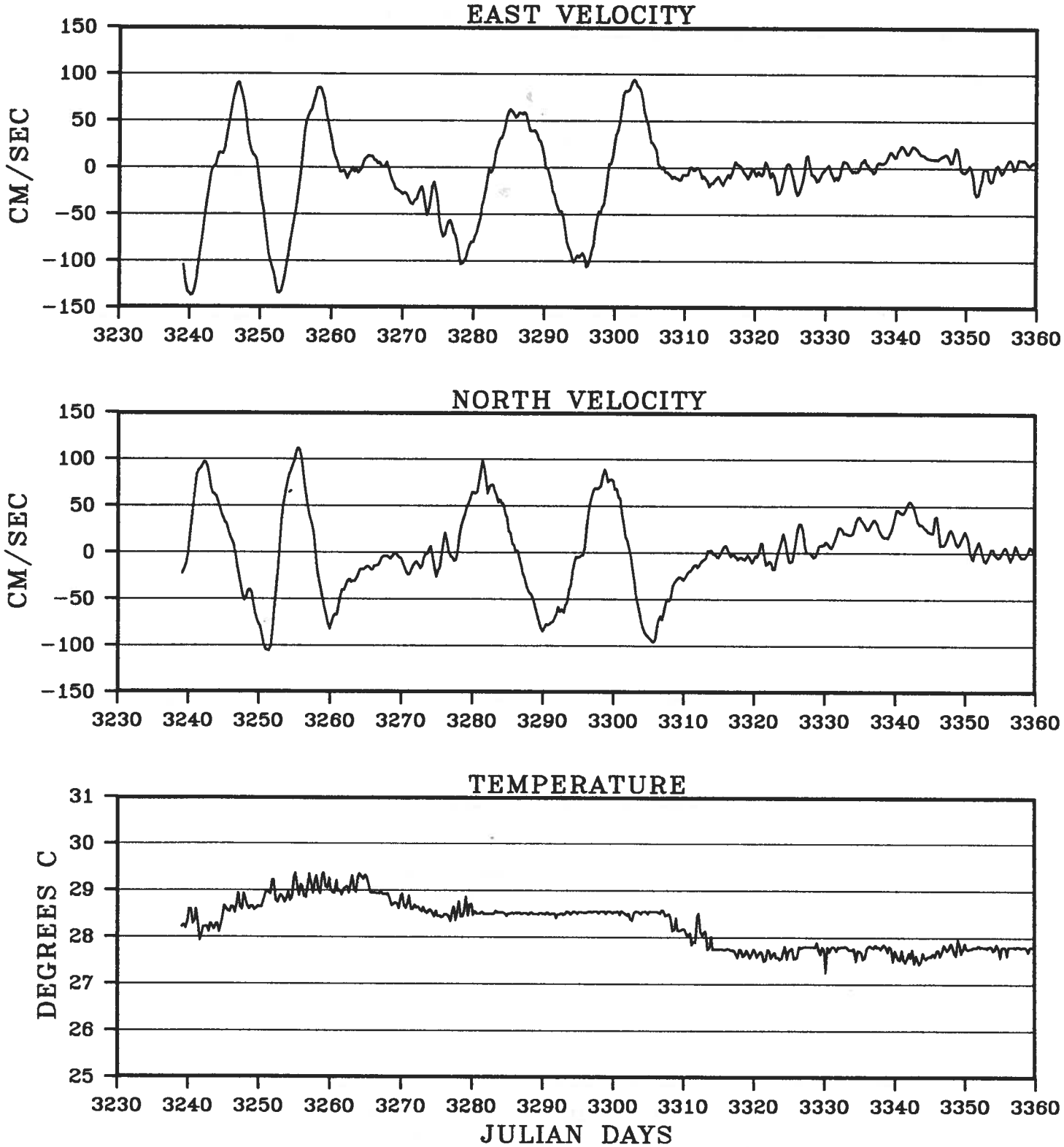
BUOY 6858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NORTH VELOCITY
CM/SEC
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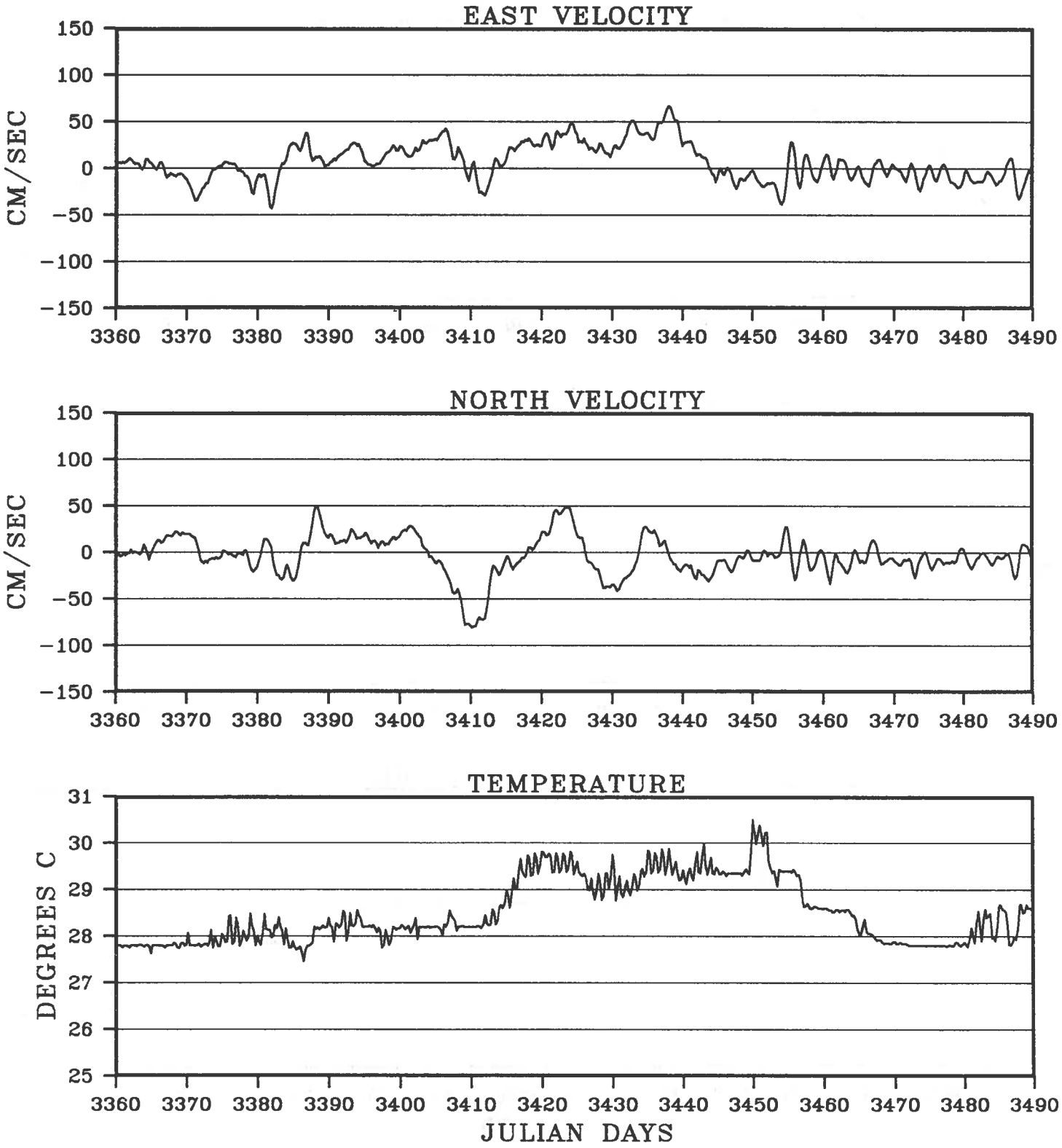
-100
-150
3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360
TEMPERATURE
DEGREES C
31
30
29
28
27
26
25
3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360
JULIAN DAYS

BUOY 6858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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490
TEMPERATURE
DEGREES C
31
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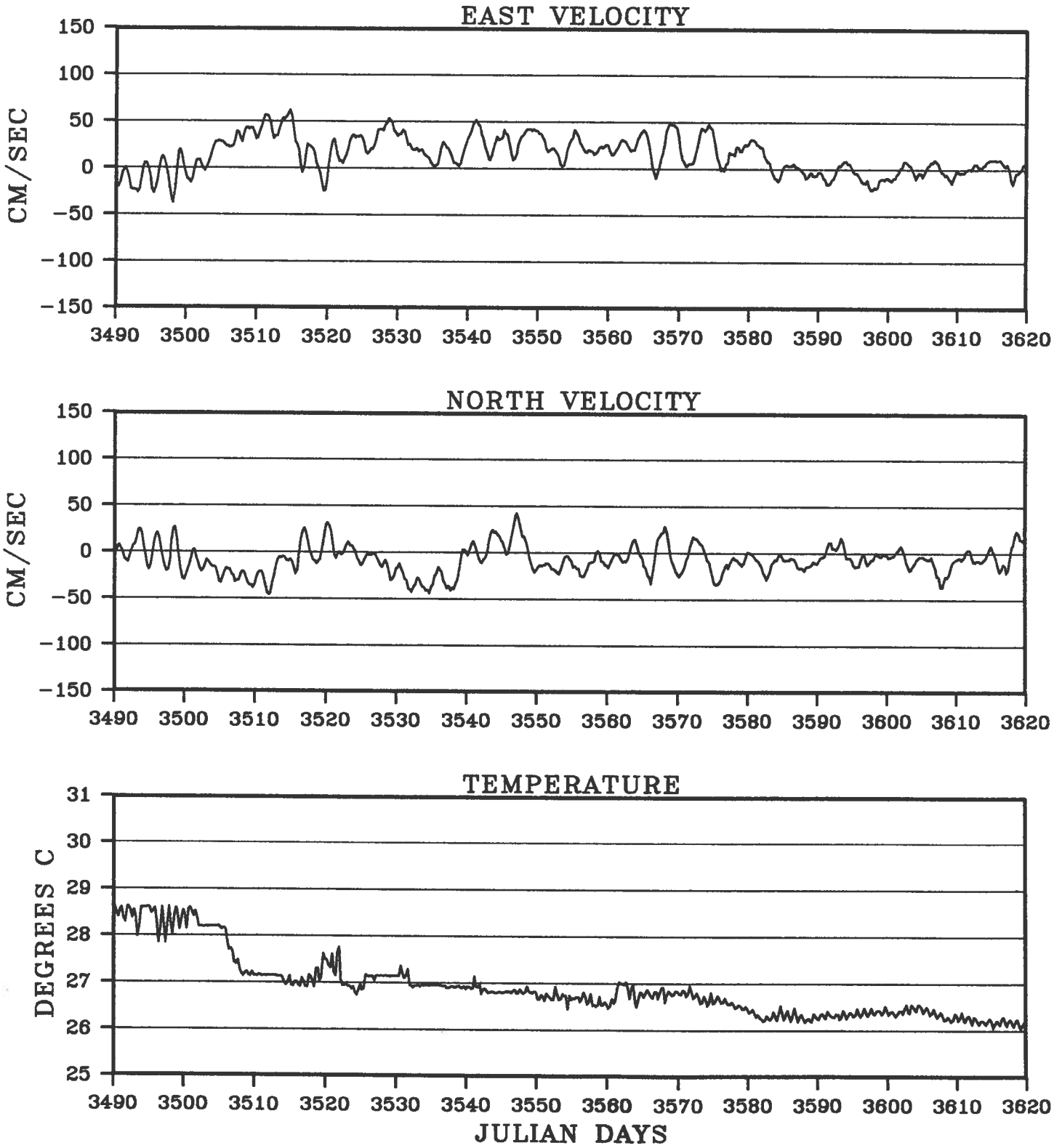
JULIAN DAYS

BUOY 6858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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
0
−50
−100
−150
3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620
TEMPERATURE
DEGREES C
31
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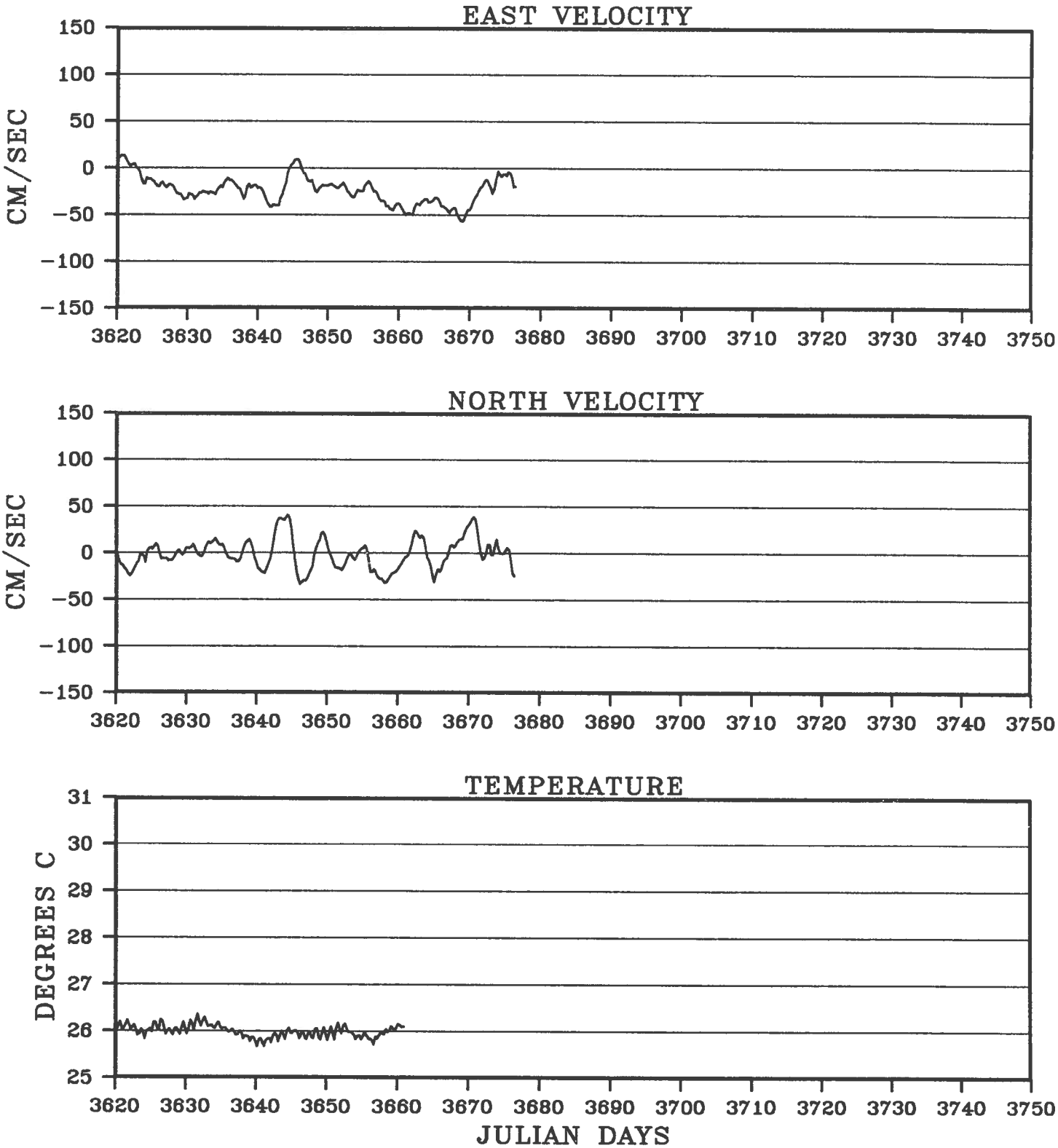
JULIAN DAYS

BUOY 6858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NORTH VELOCITY
CM/SEC
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100
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−50
−100
−150
3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750
TEMPERATURE
DEGREES C
31
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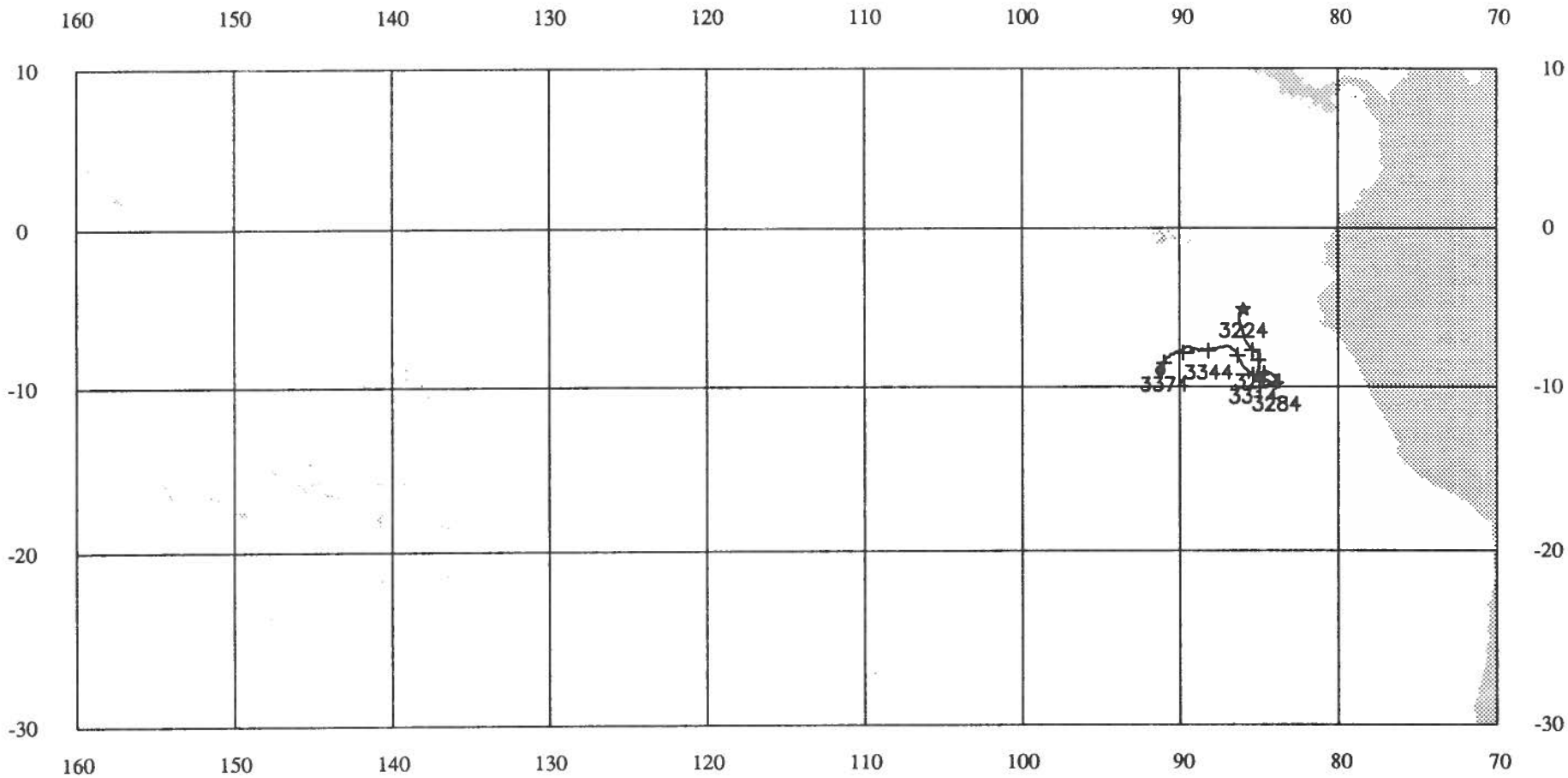
JULIAN DAYS

BUOY 6859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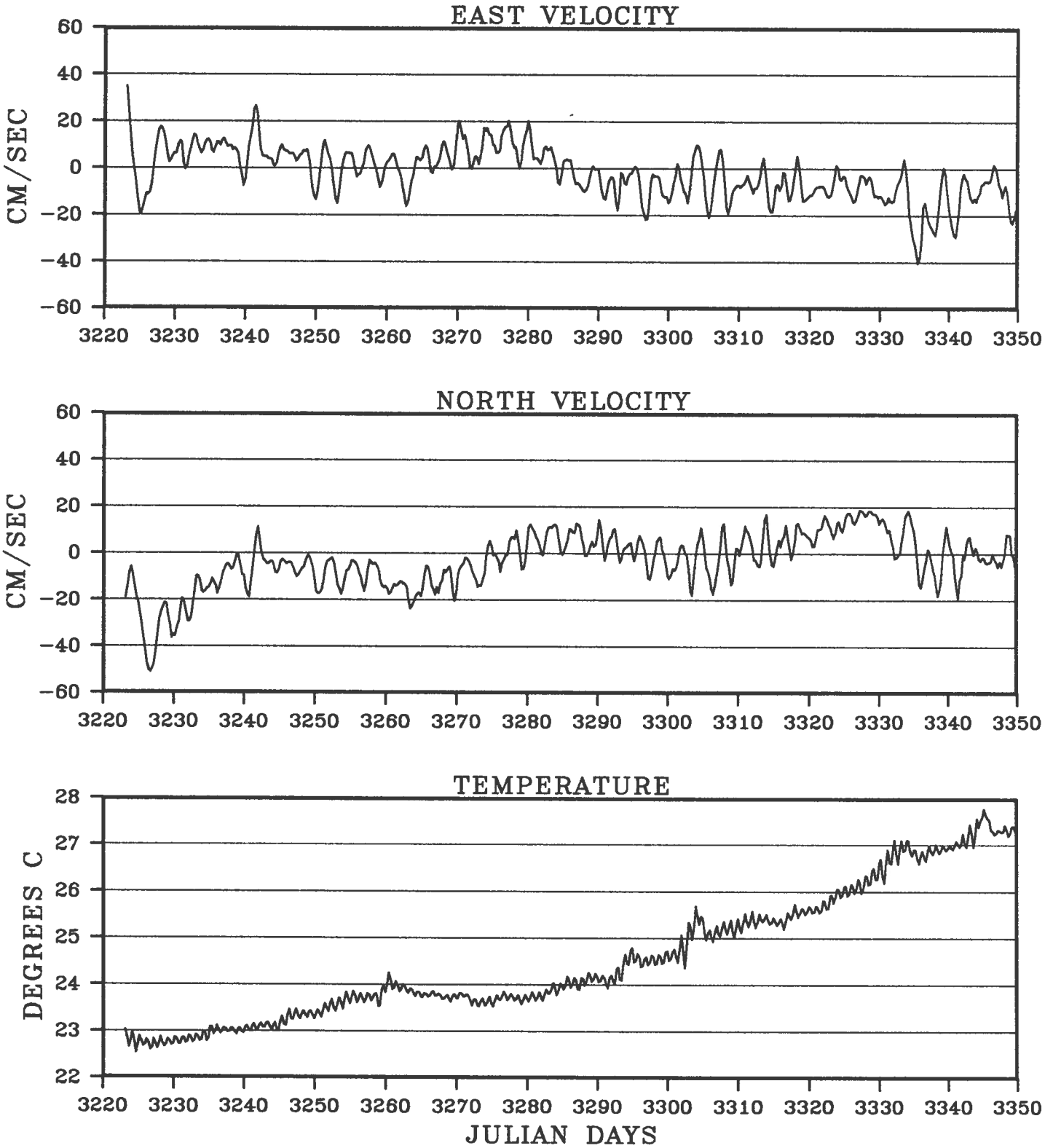
EAST VELOCITY
CM/SEC
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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350
TEMPERATURE
DEGREES C
28
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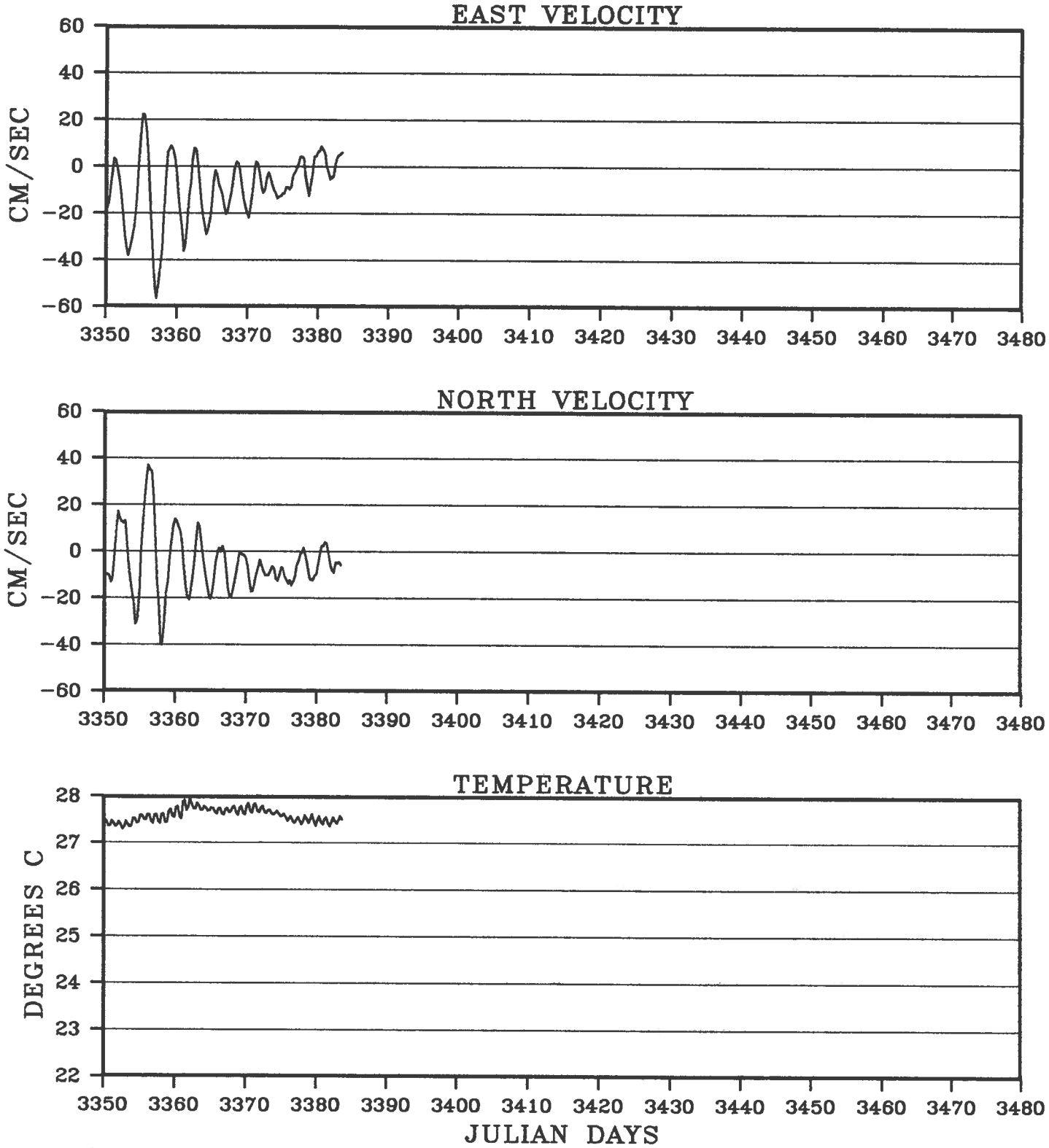
JULIAN DAYS

BUOY 6859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NORTH VELOCITY
CM/SEC
60
40
20
0
-20
-40
-60
3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480
TEMPERATURE
DEGREES C
28
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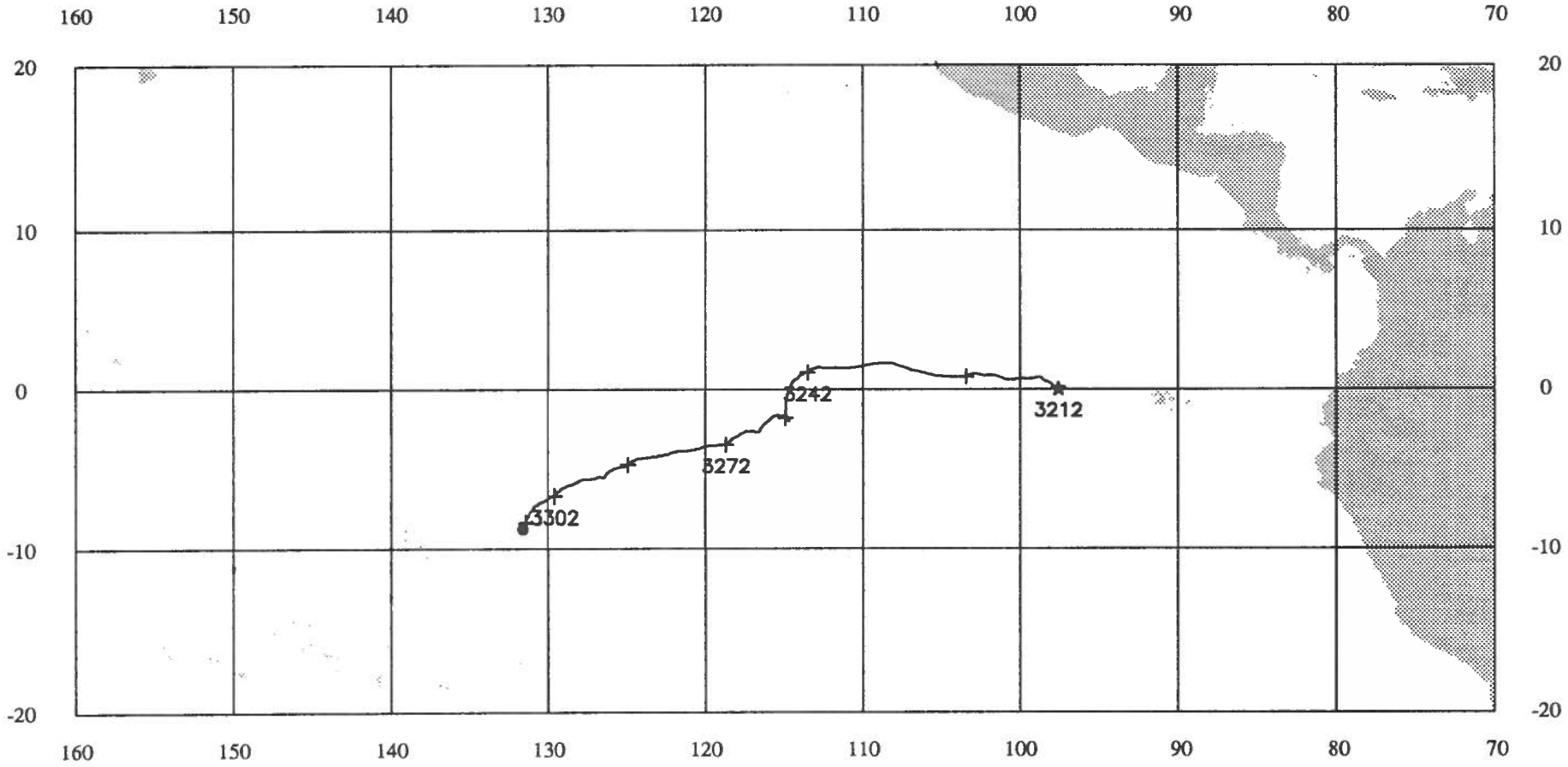
JULIAN DAYS

BUOY 6860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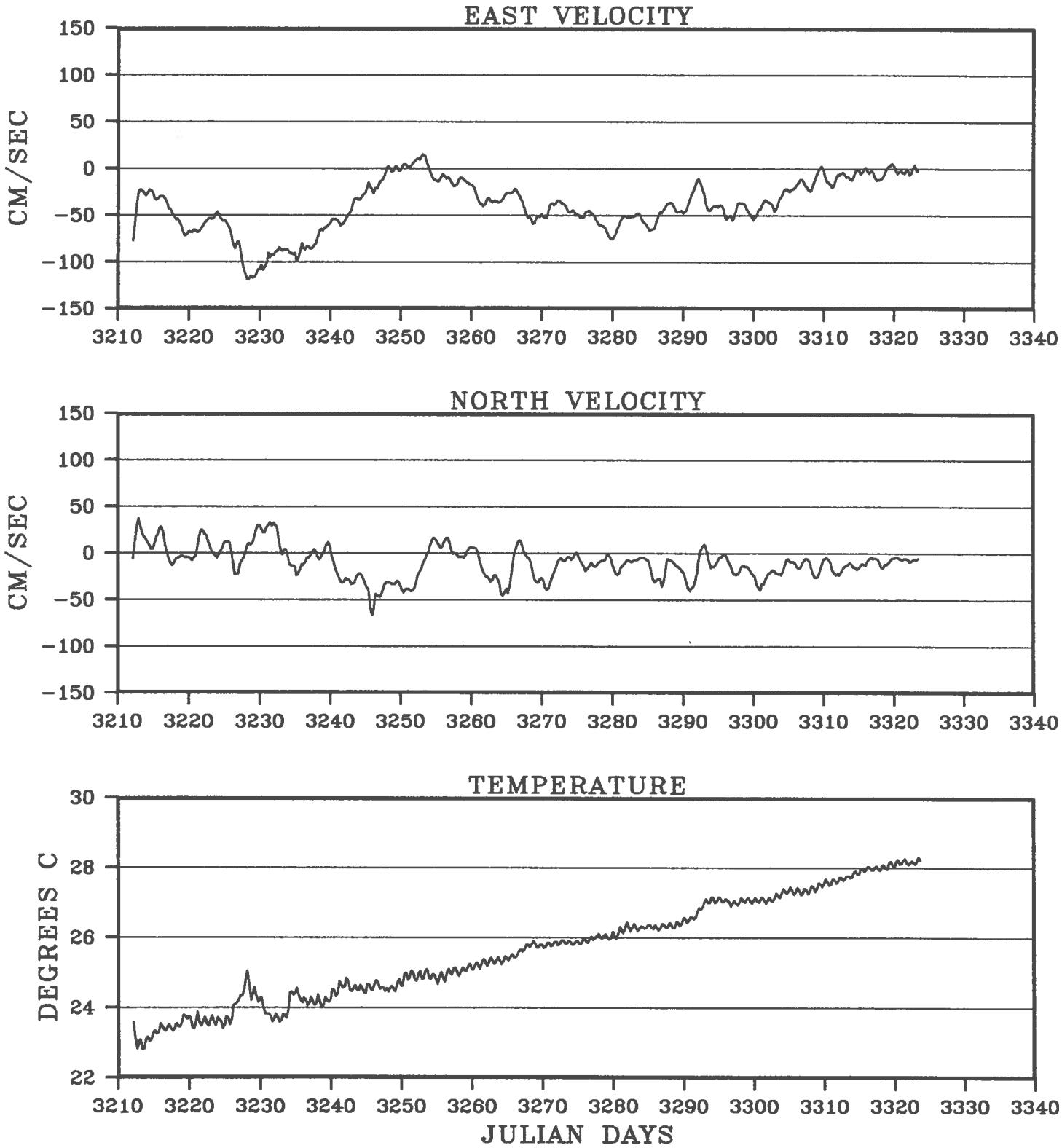
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CM/SEC
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NORTH VELOCITY
CM/SEC
150
100
50
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−50
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−150
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
TEMPERATURE
DEGREES C
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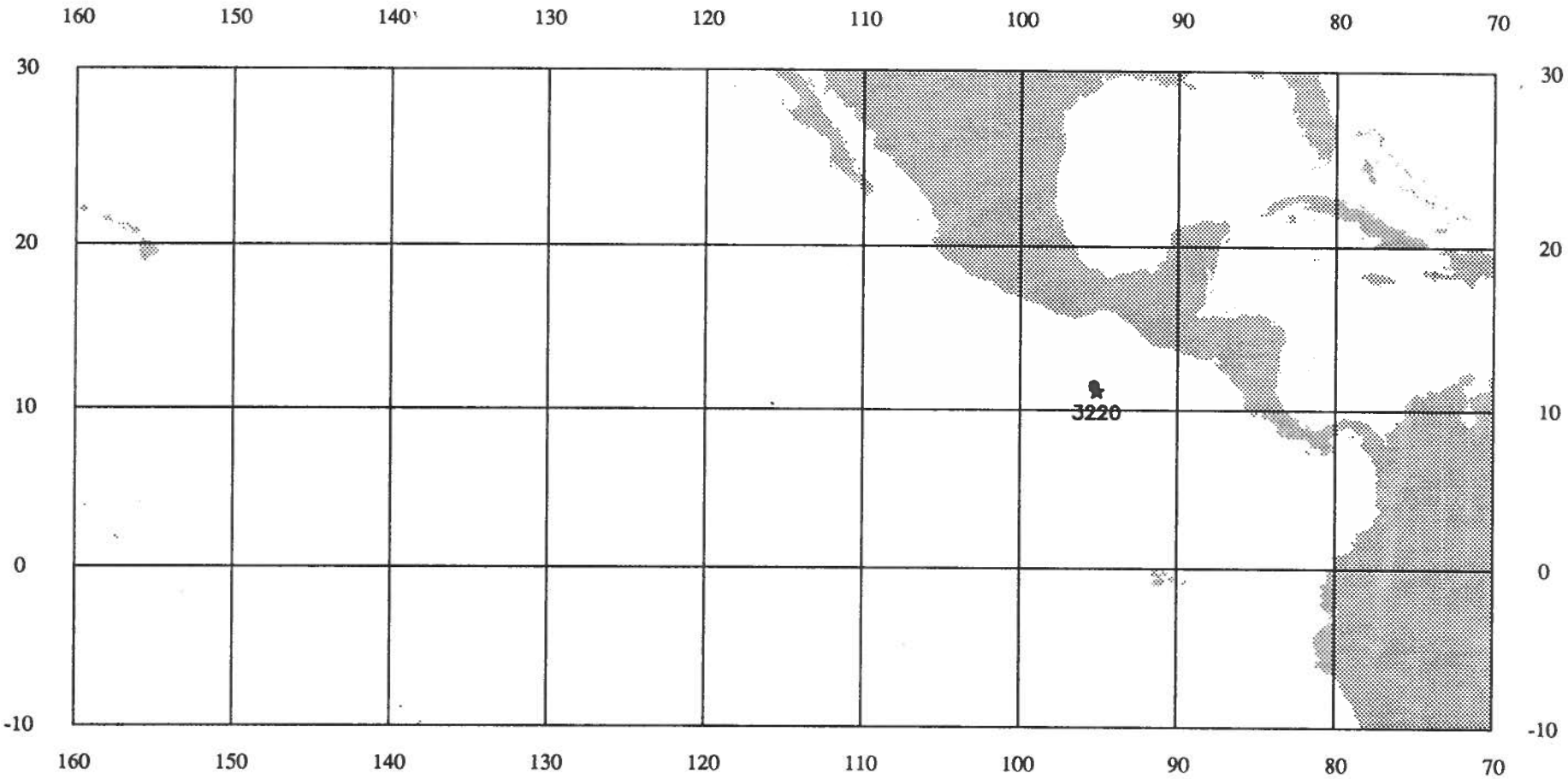
JULIAN DAYS

BUOY 6861



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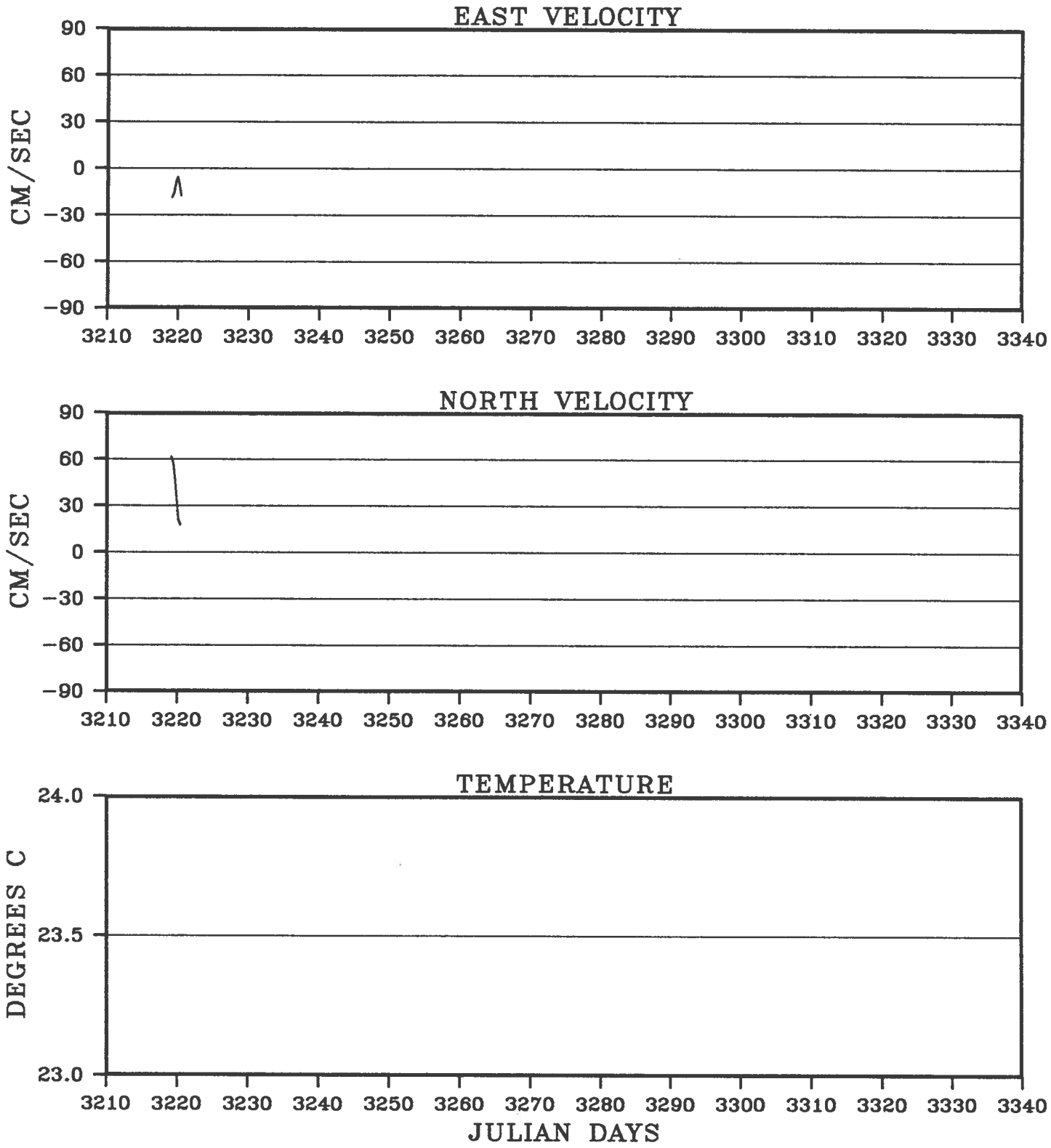
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NORTH VELOCITY
CM/SEC
90
60
30
0
−30
−60
−90
3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340
TEMPERATURE
DEGREES C
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JULIAN DAYS

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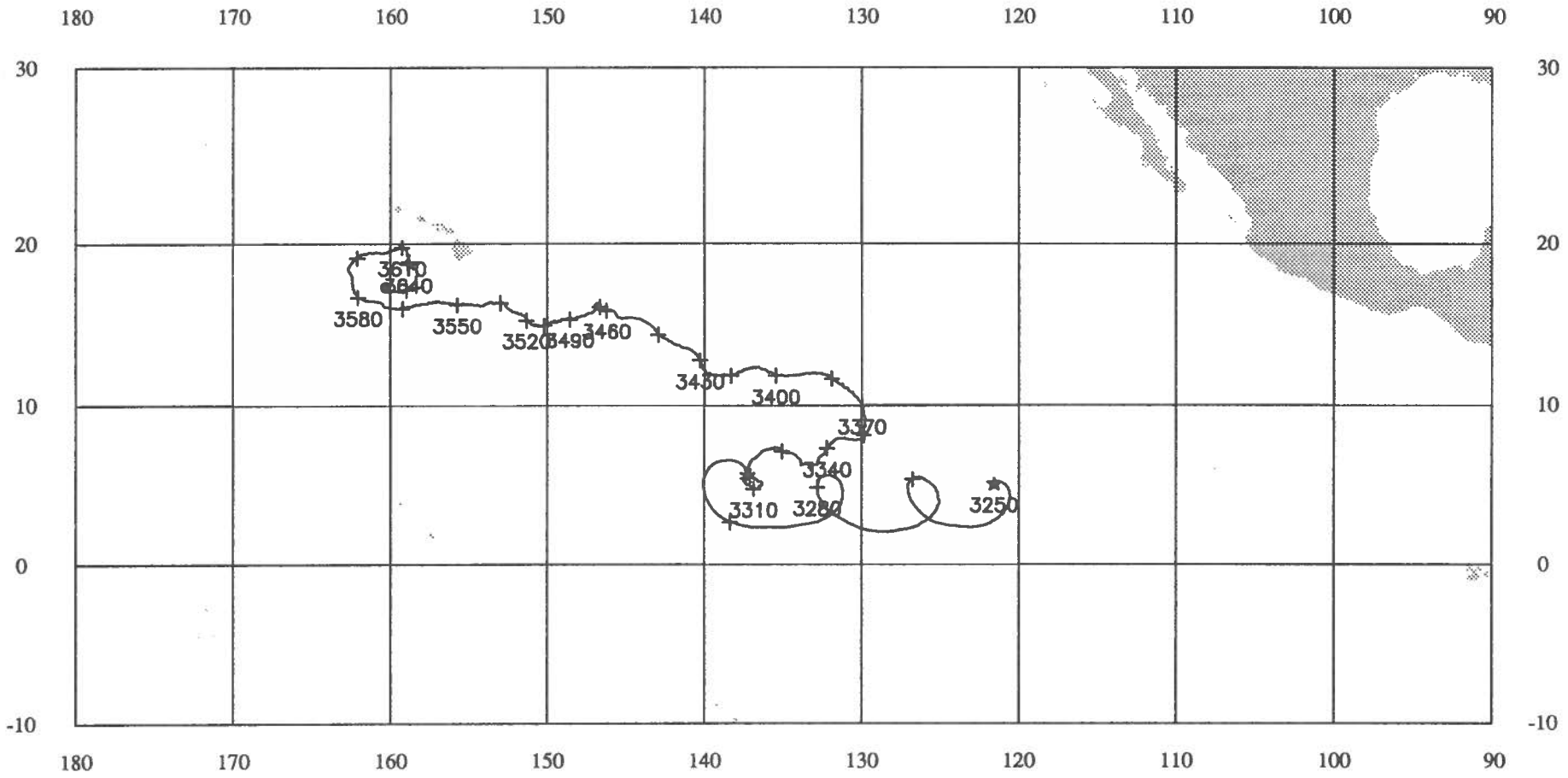
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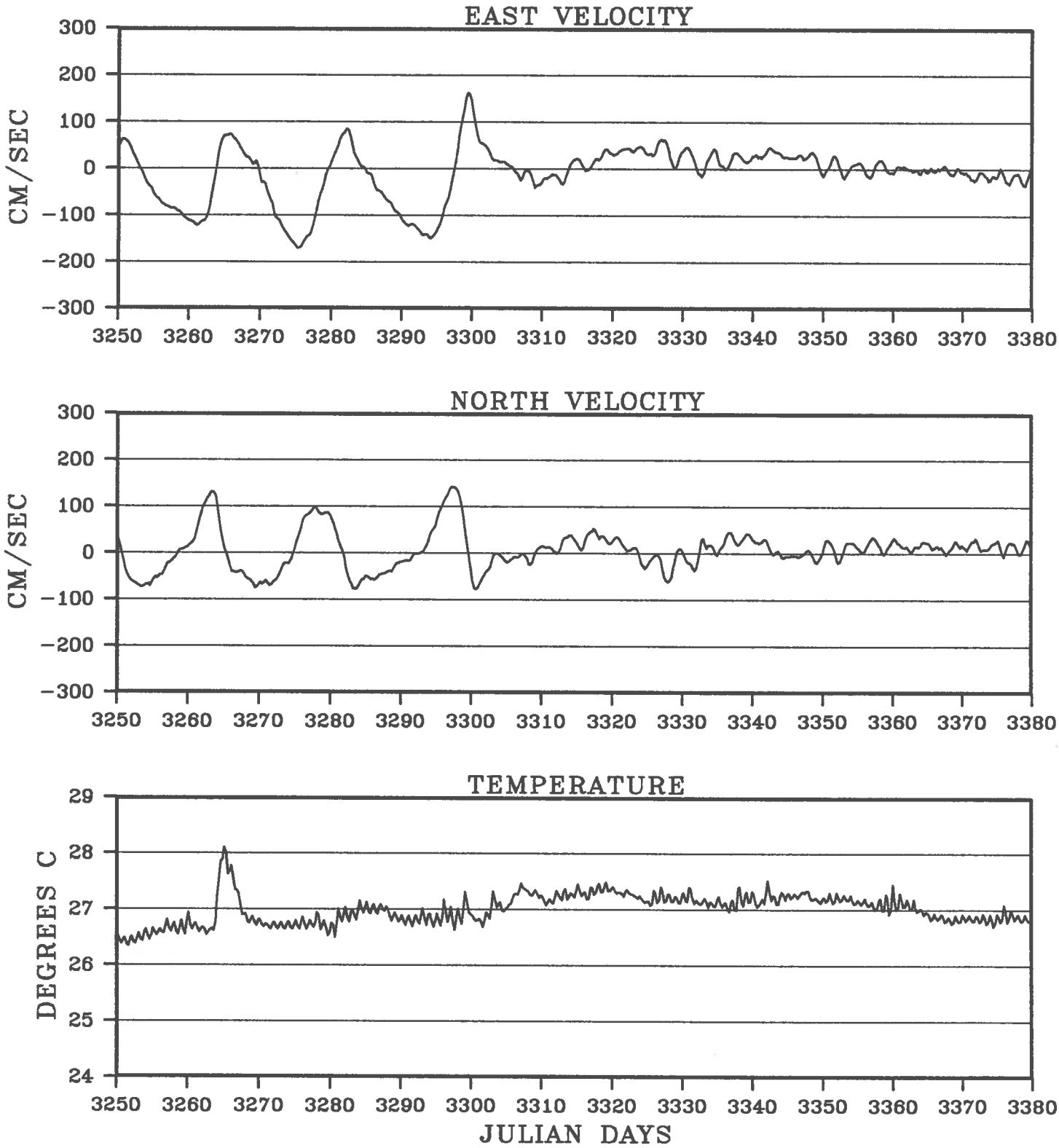
3280
3250

BUOY 6862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CM/SEC
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NORTH VELOCITY
CM/SEC
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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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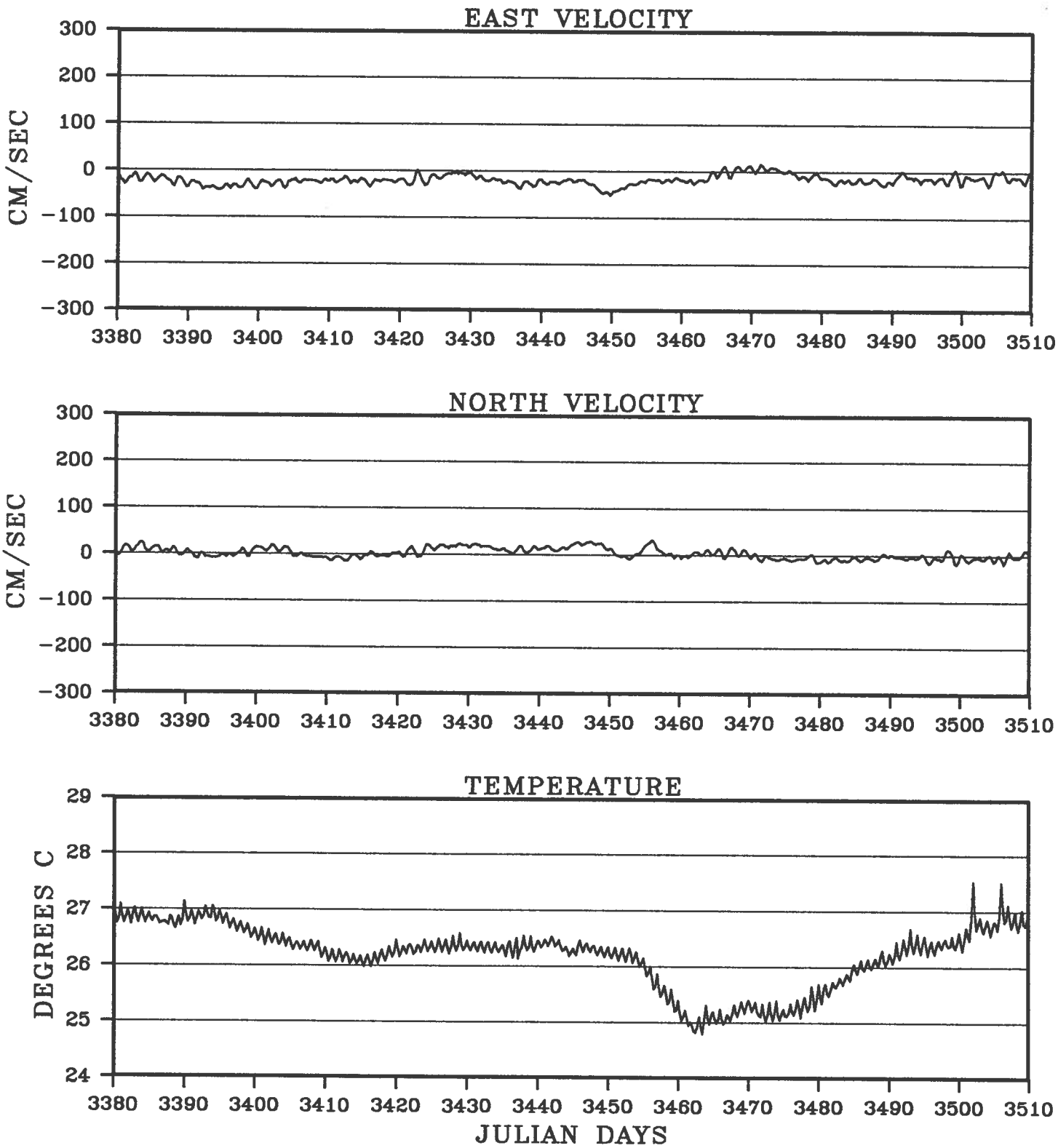
JULIAN DAYS

BUOY 6862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3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510
NORTH VELOCITY
CM/SEC
300
200
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3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510
TEMPERATURE
DEGREES C
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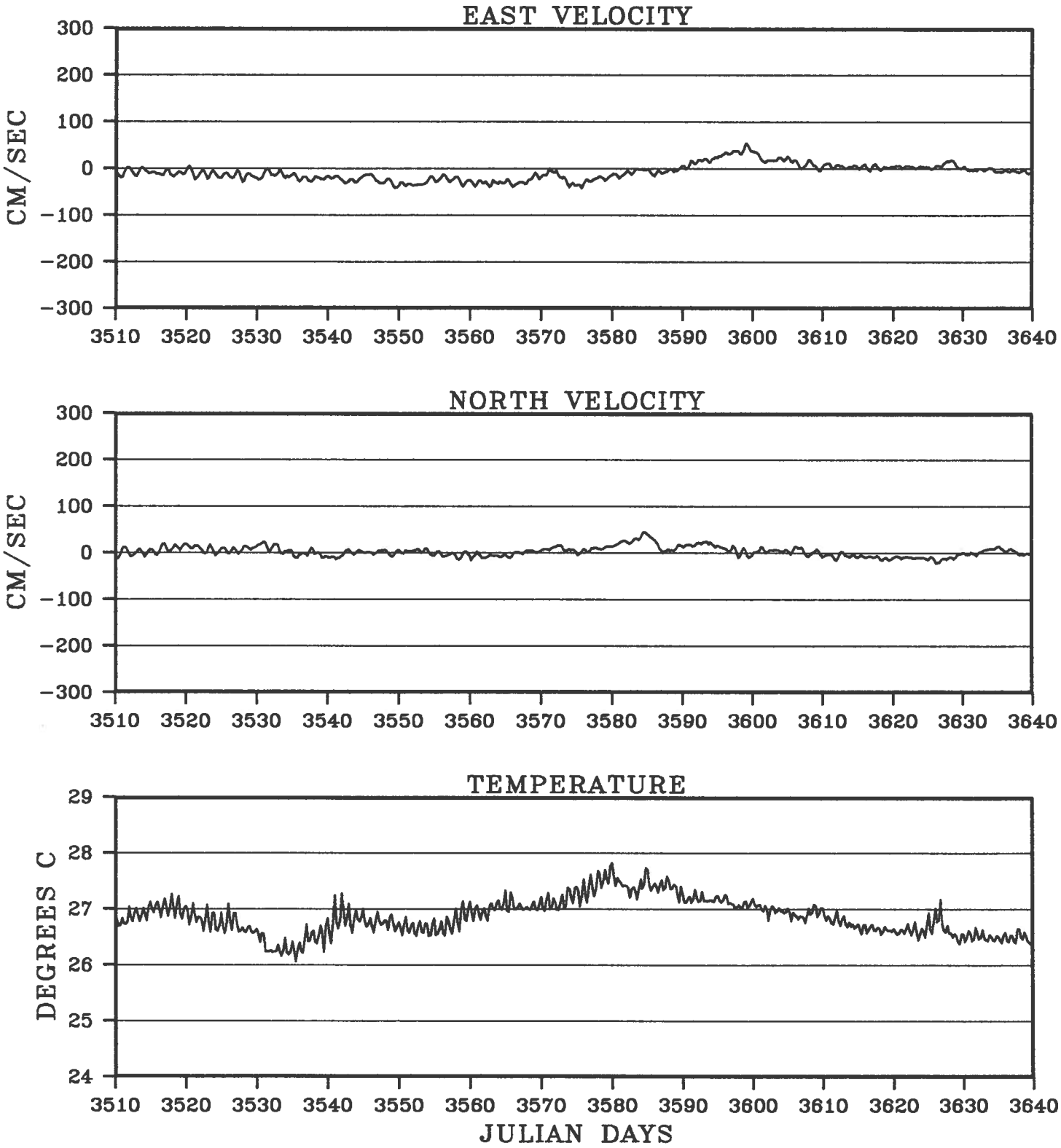
JULIAN DAYS

BUOY 6862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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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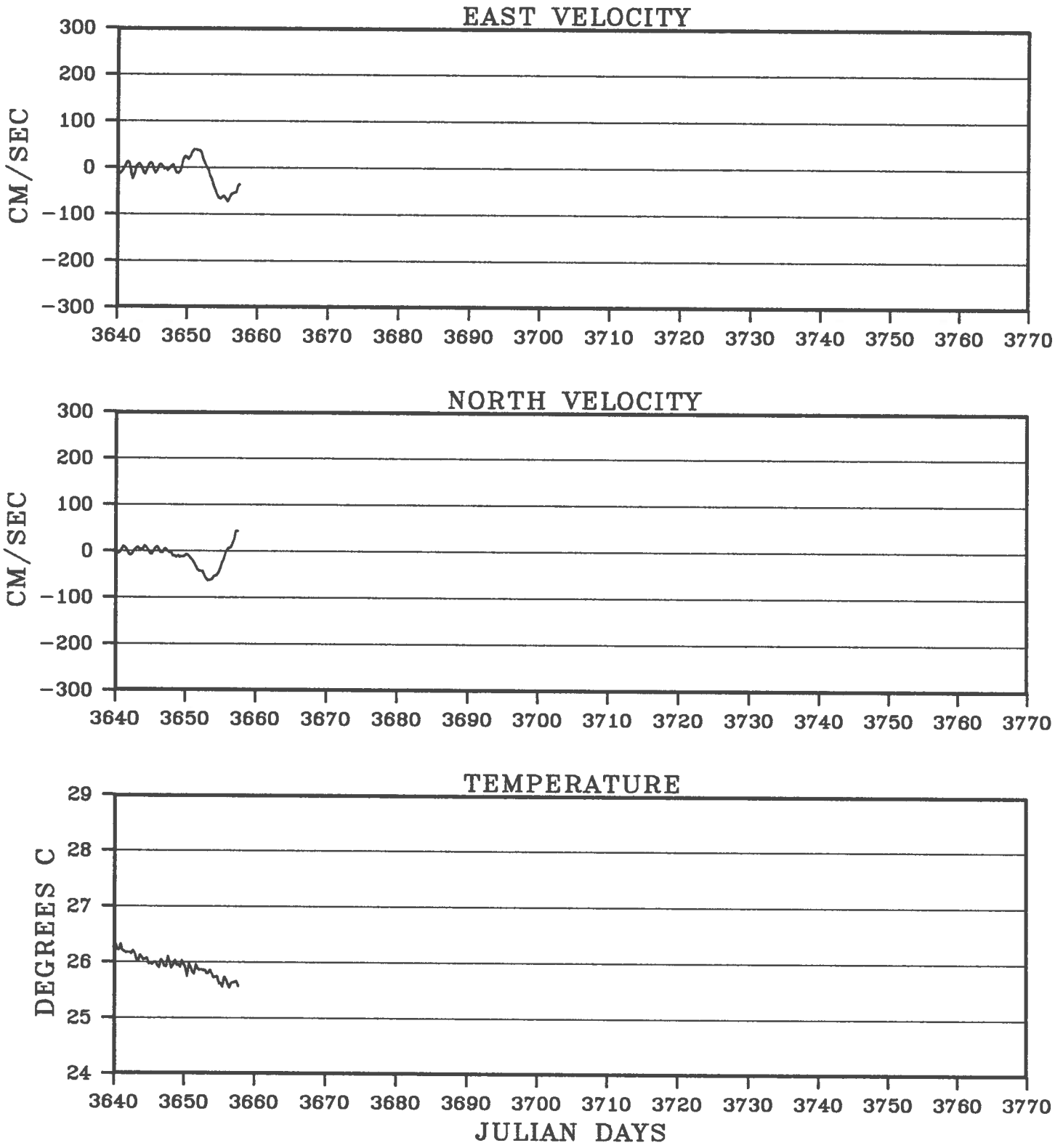
JULIAN DAYS

BUOY 6862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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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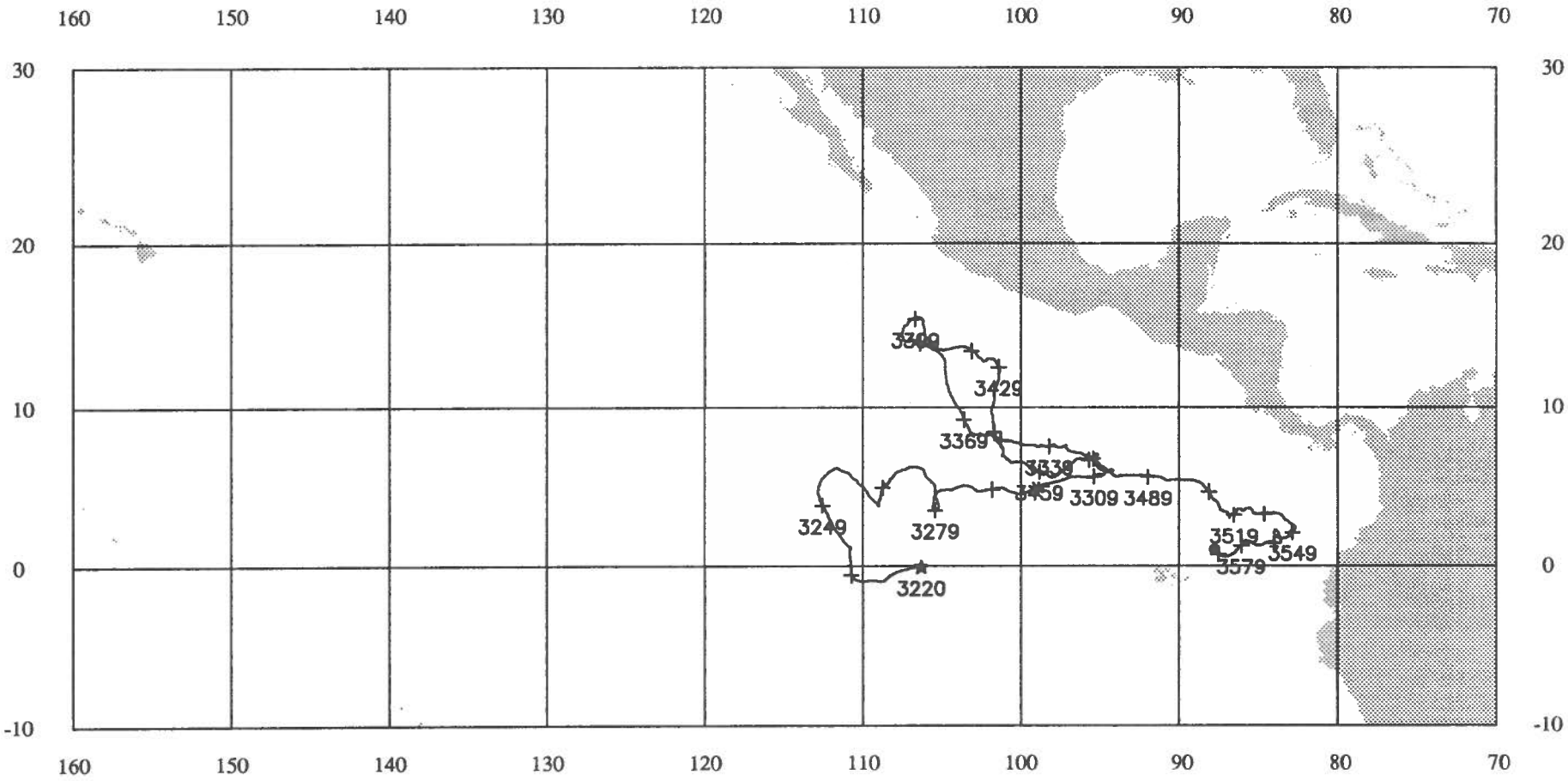
JULIAN DAYS

BUOY 6864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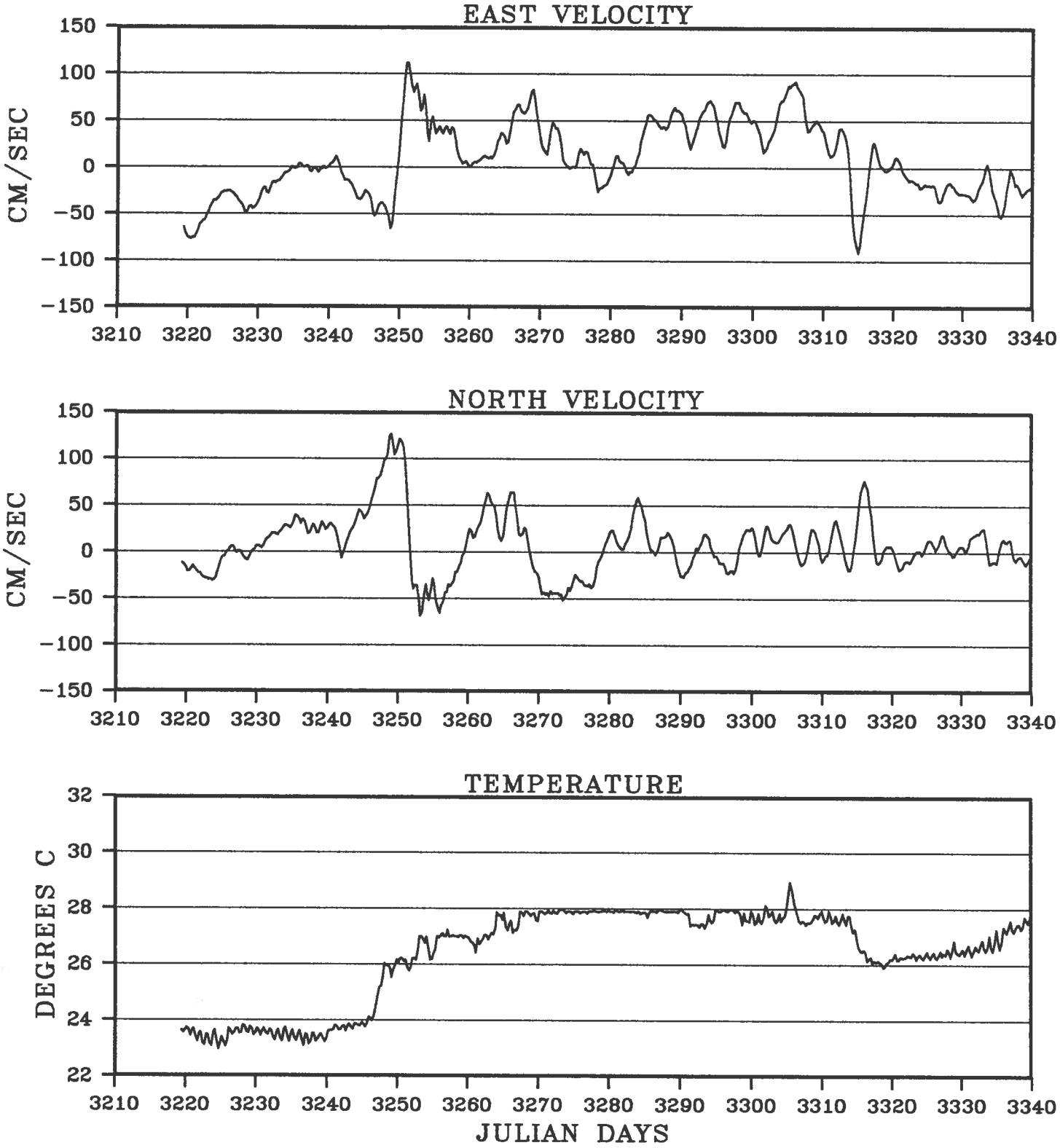
BUOY 6864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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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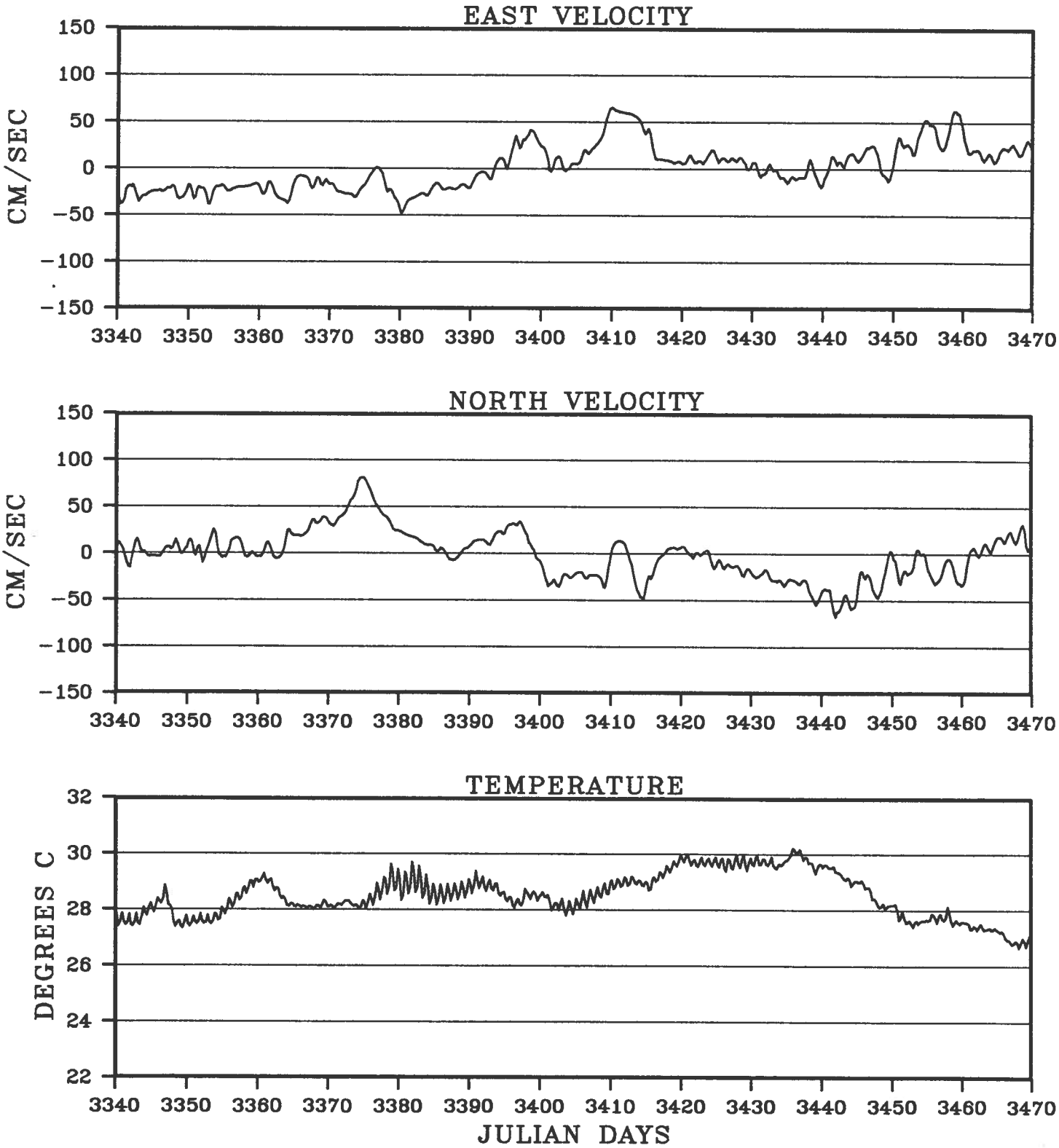
JULIAN DAYS

BUOY 6864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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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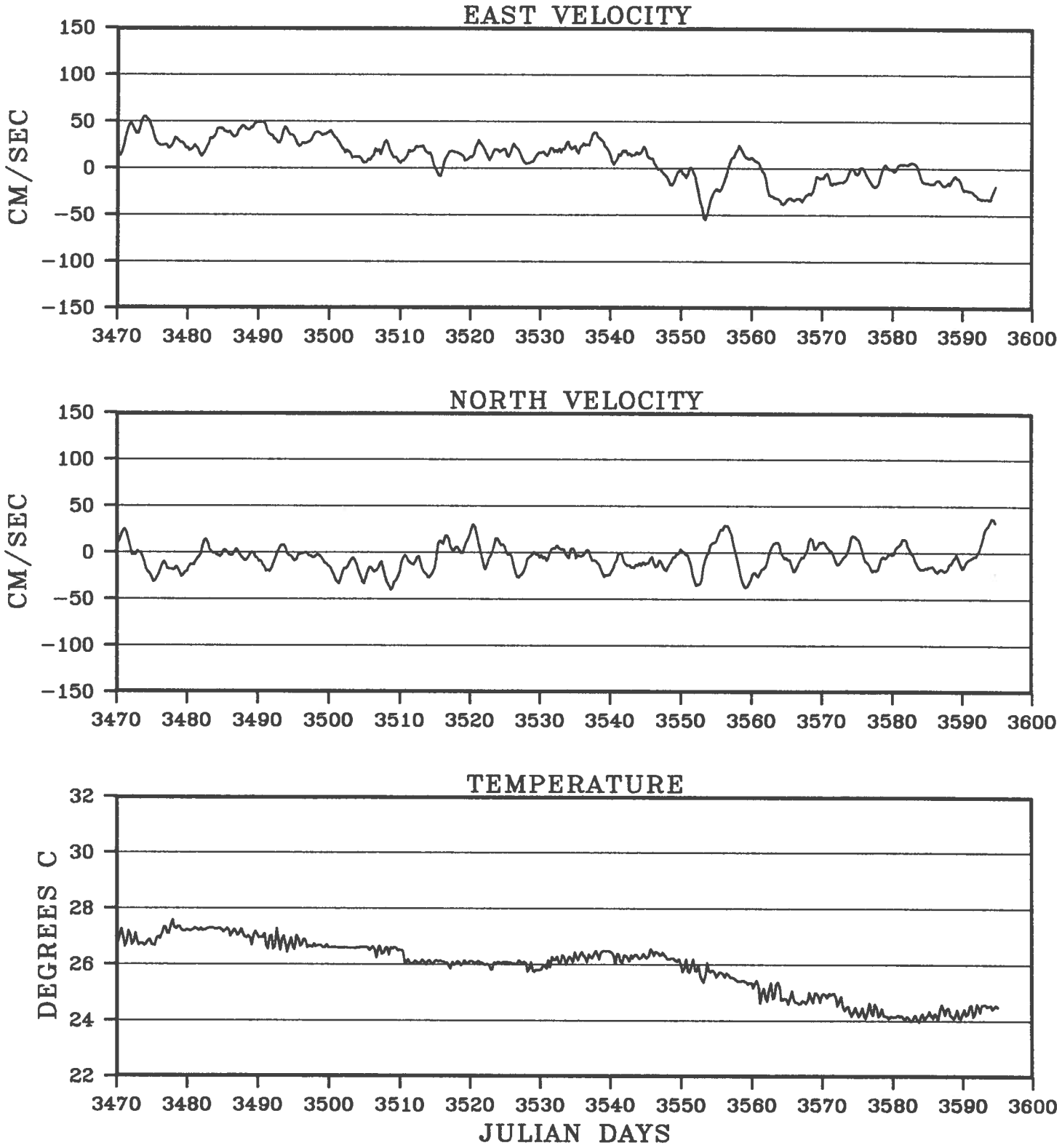
JULIAN DAYS

BUOY 6864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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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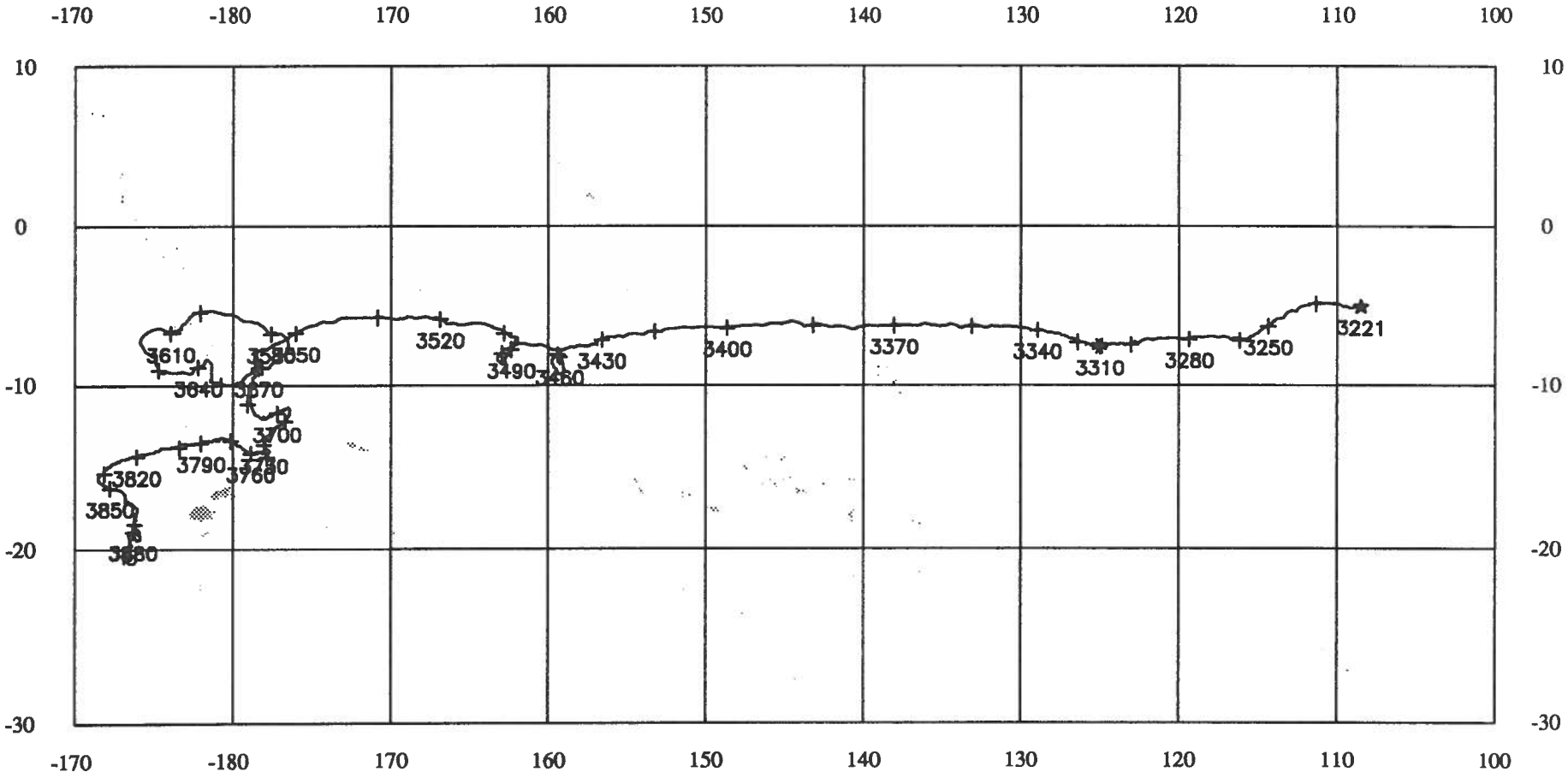
JULIAN DAYS

BUOY 6865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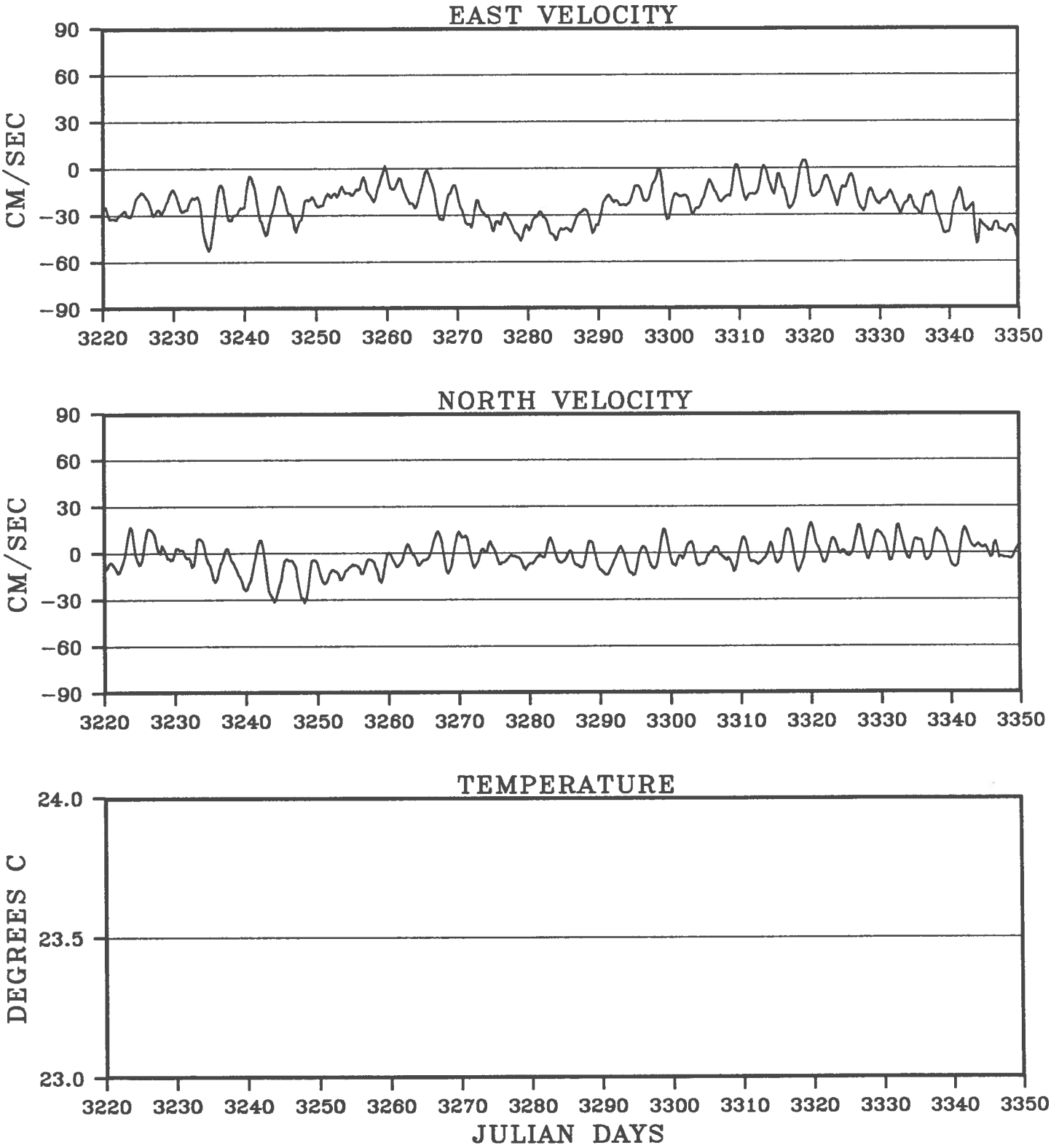
BUOY 6865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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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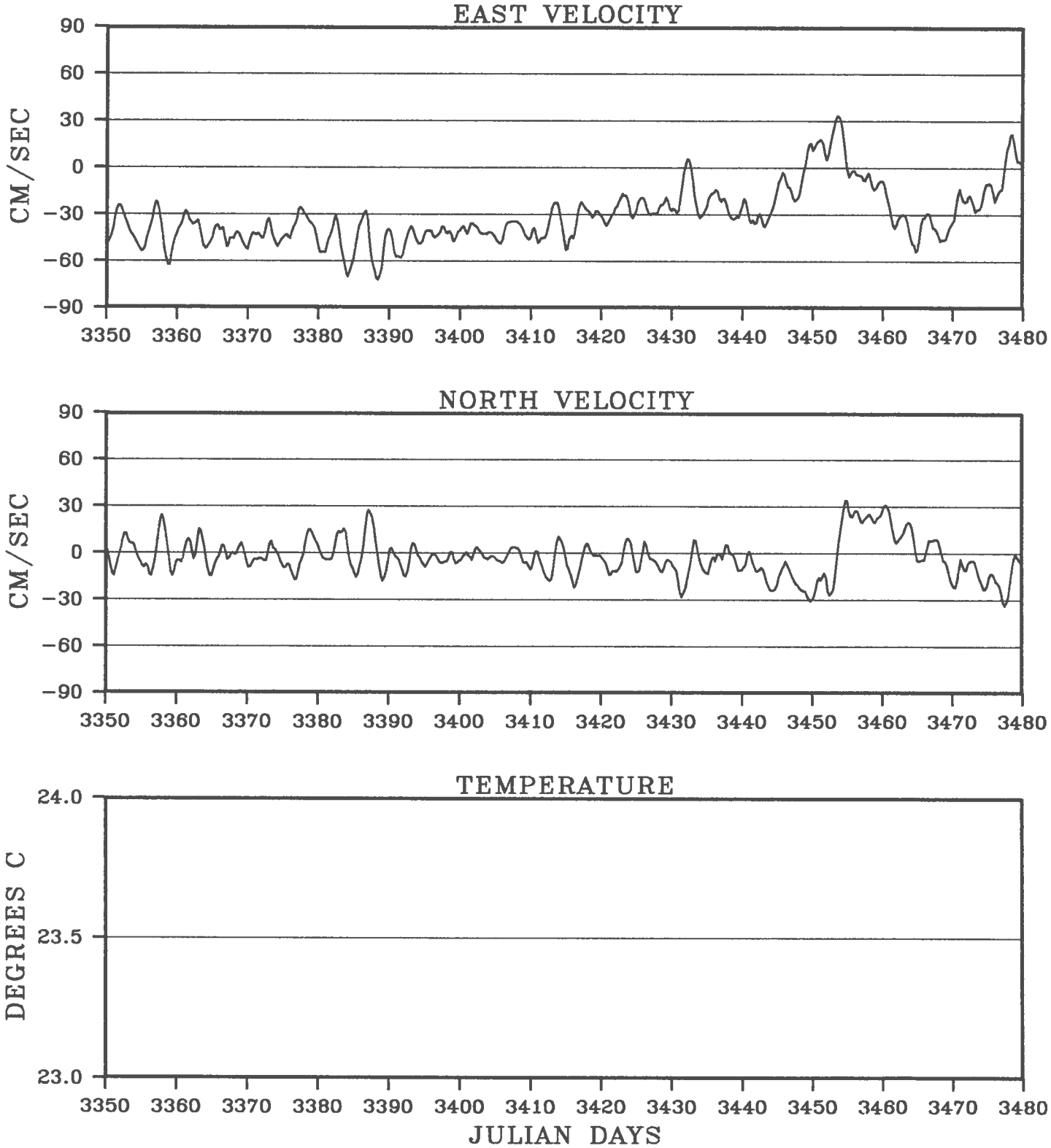
JULIAN DAYS

BUOY 6865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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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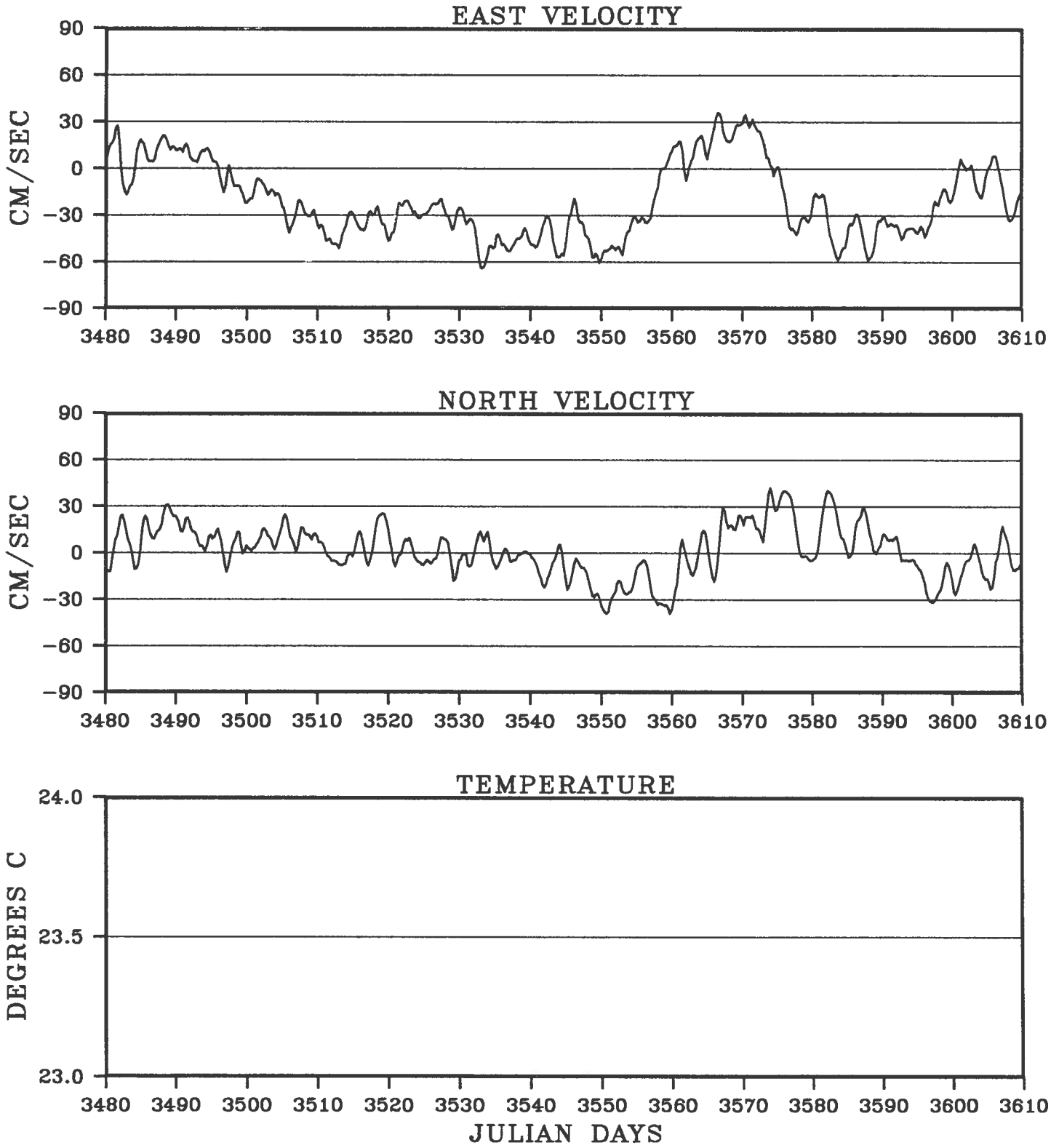
JULIAN DAYS

BUOY 6865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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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23.0
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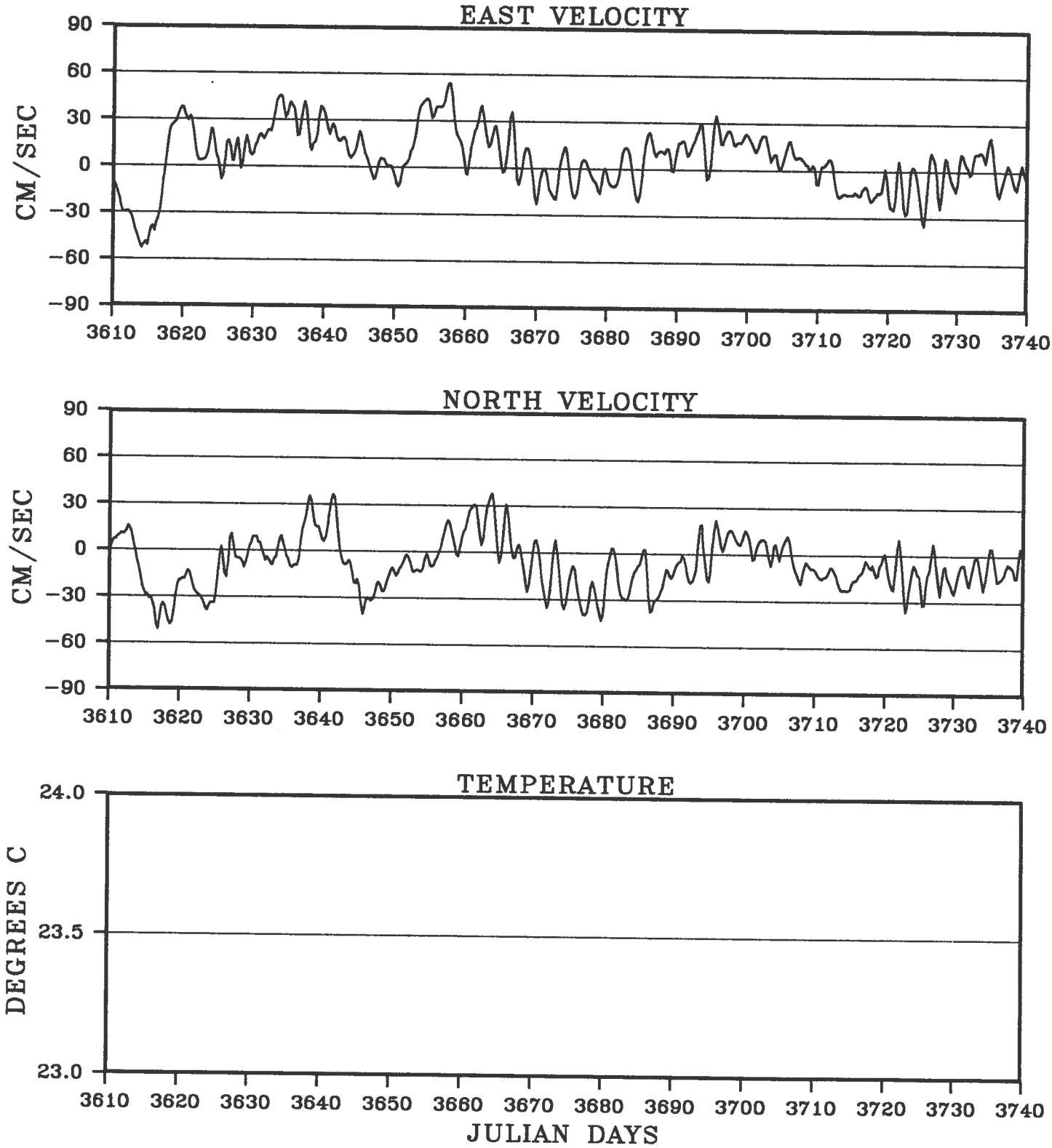
JULIAN DAYS

BUOY 6865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NORTH VELOCITY
CM/SEC
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3610 3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740
TEMPERATURE
DEGREES C
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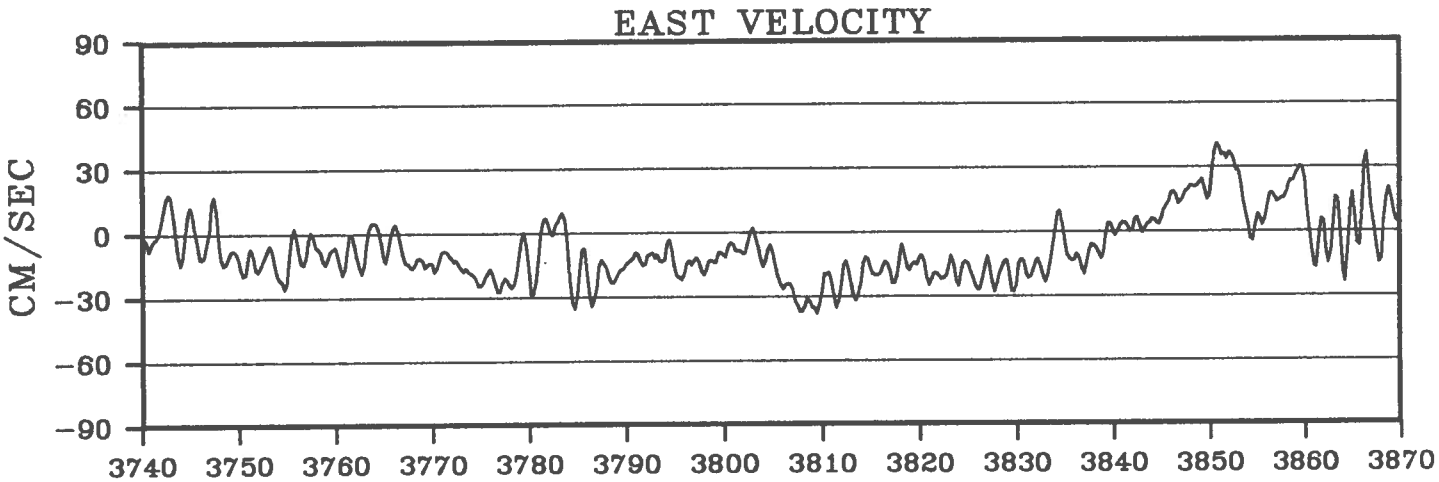
JULIAN DAYS

BUOY 6865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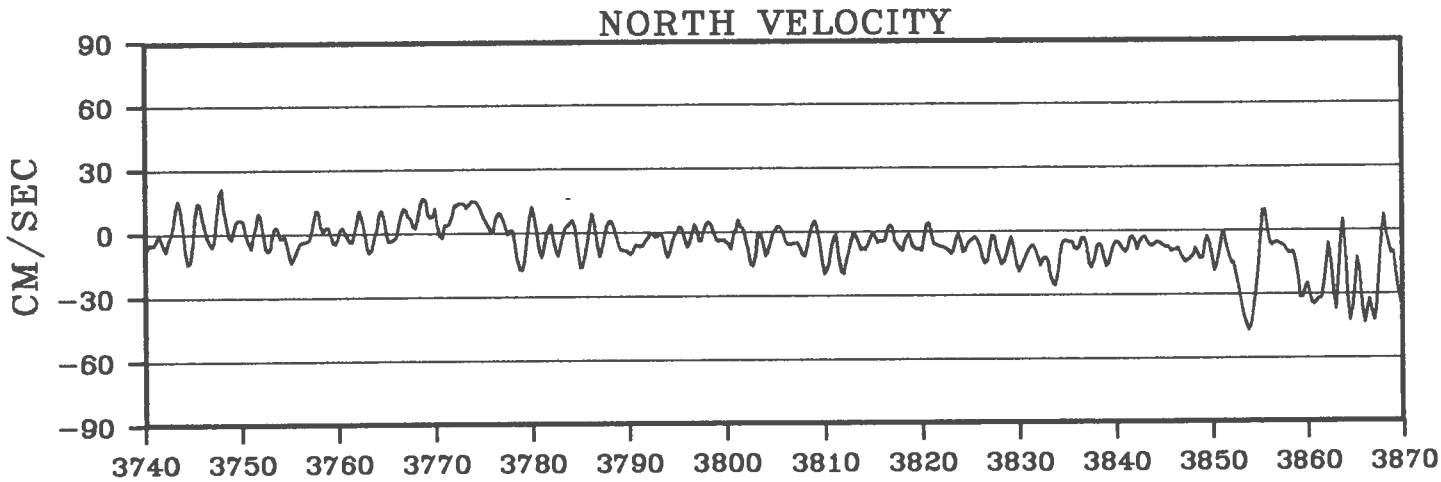
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CM/SEC
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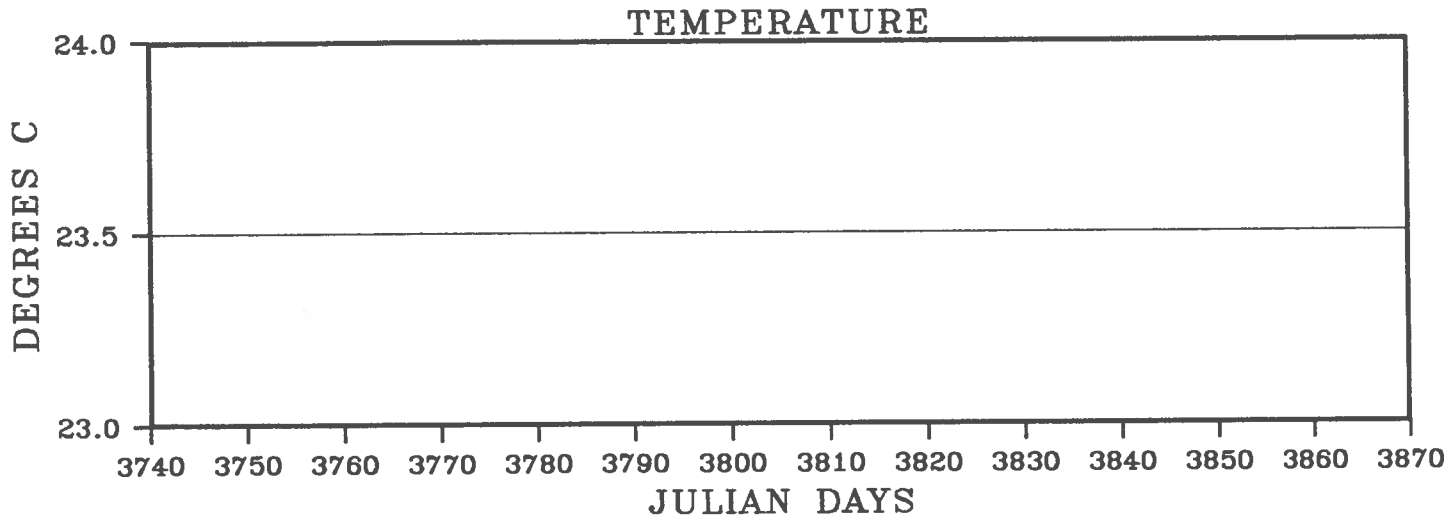
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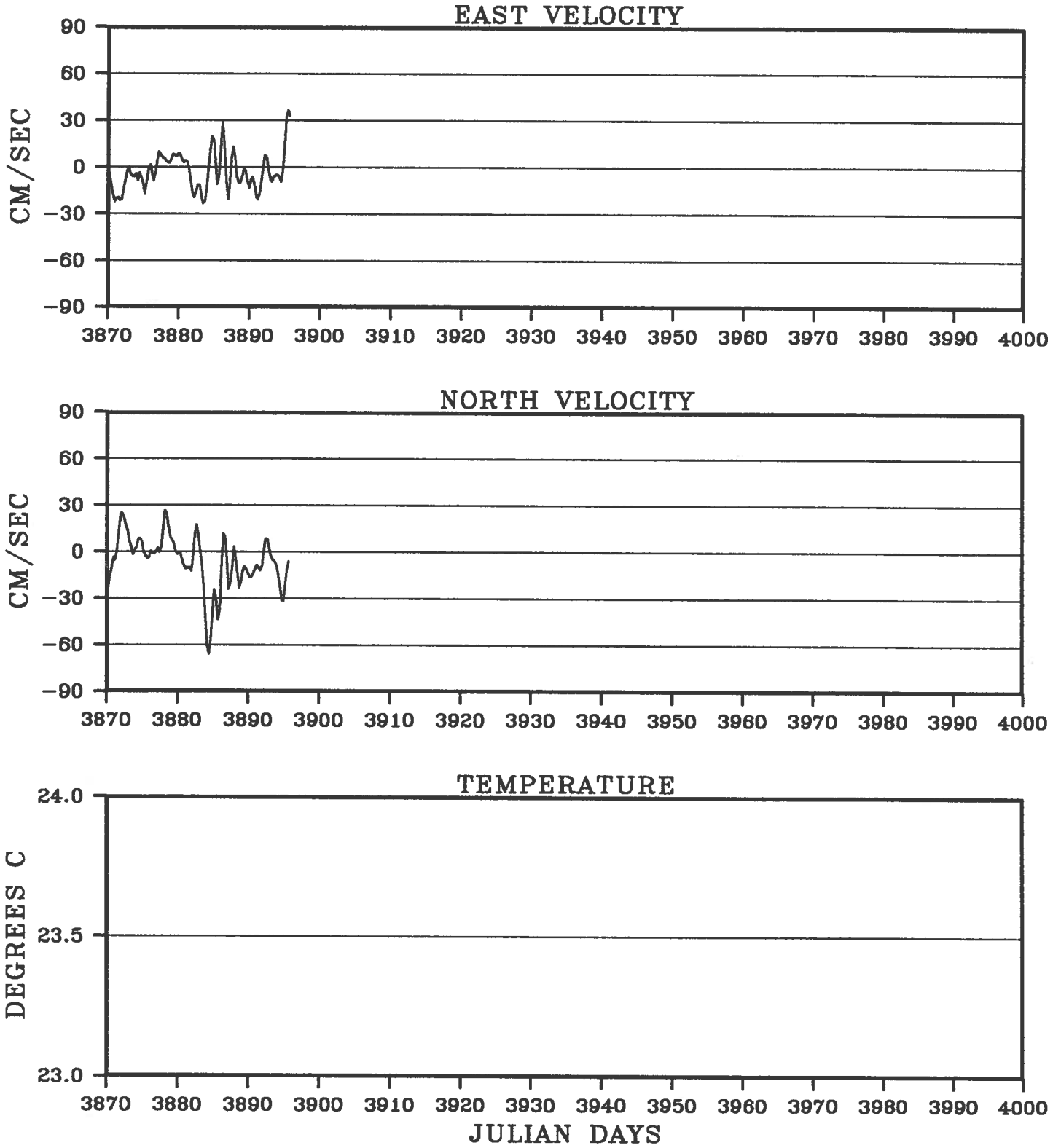
JULIAN DAYS

BUOY 6865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NORTH VELOCITY
CM/SEC
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3870 3880 3890 3900 3910 3920 3930 3940 3950 3960 3970 3980 3990 4000
TEMPERATURE
DEGREES C
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23.5
23.0
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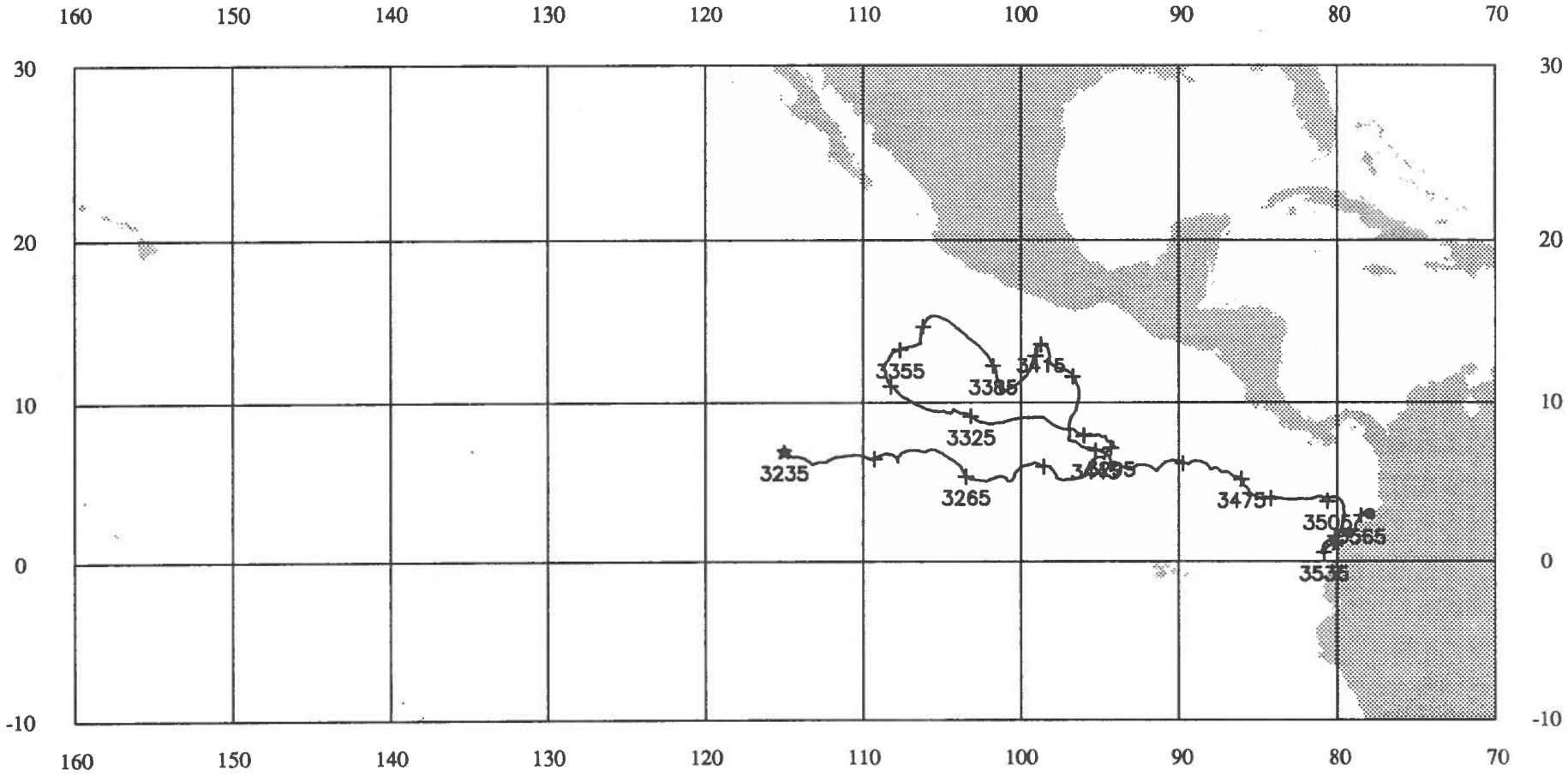
JULIAN DAYS

BUOY 6867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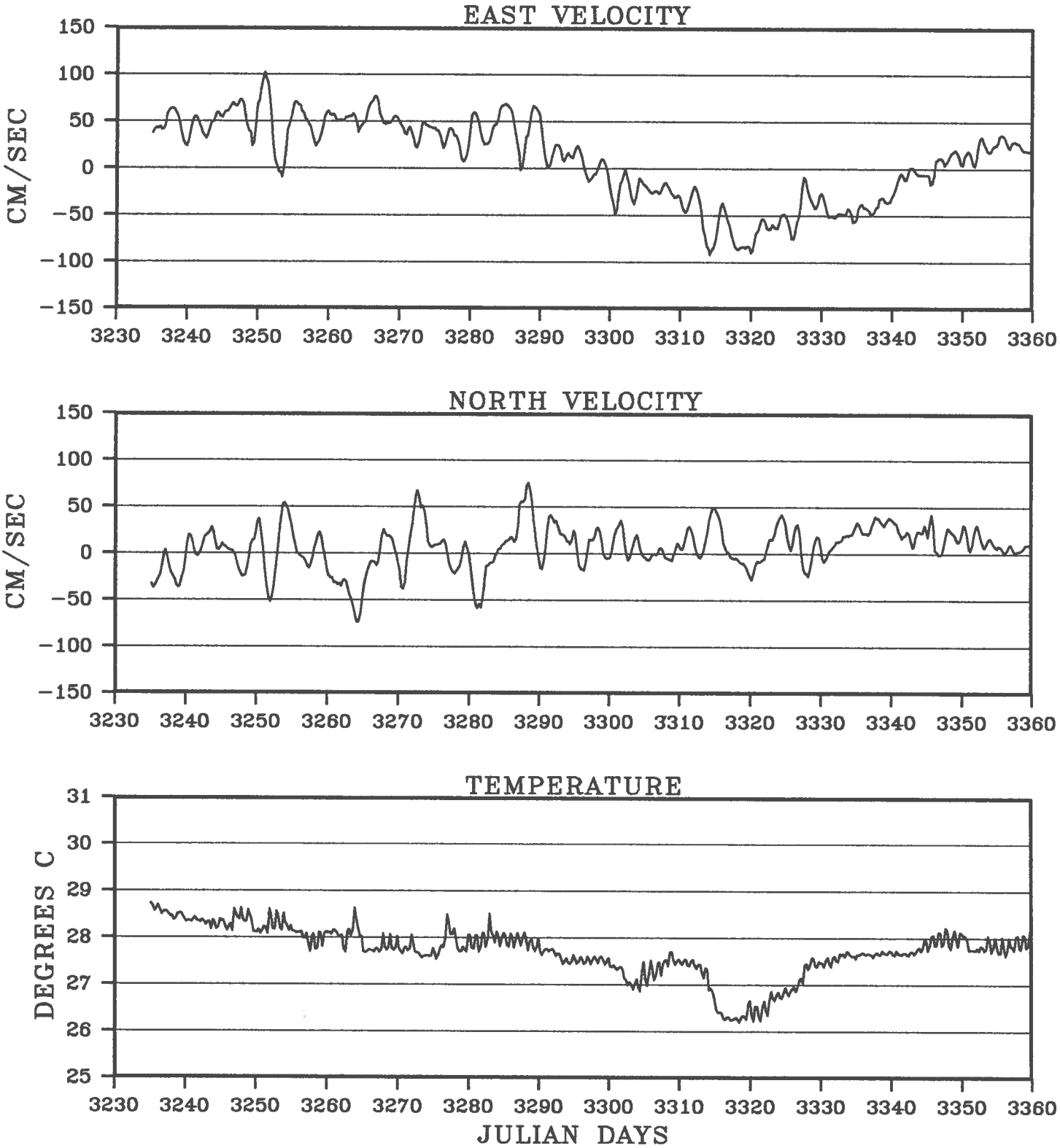
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CM/SEC
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NORTH VELOCITY
CM/SEC
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3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360
TEMPERATURE
DEGREES C
31
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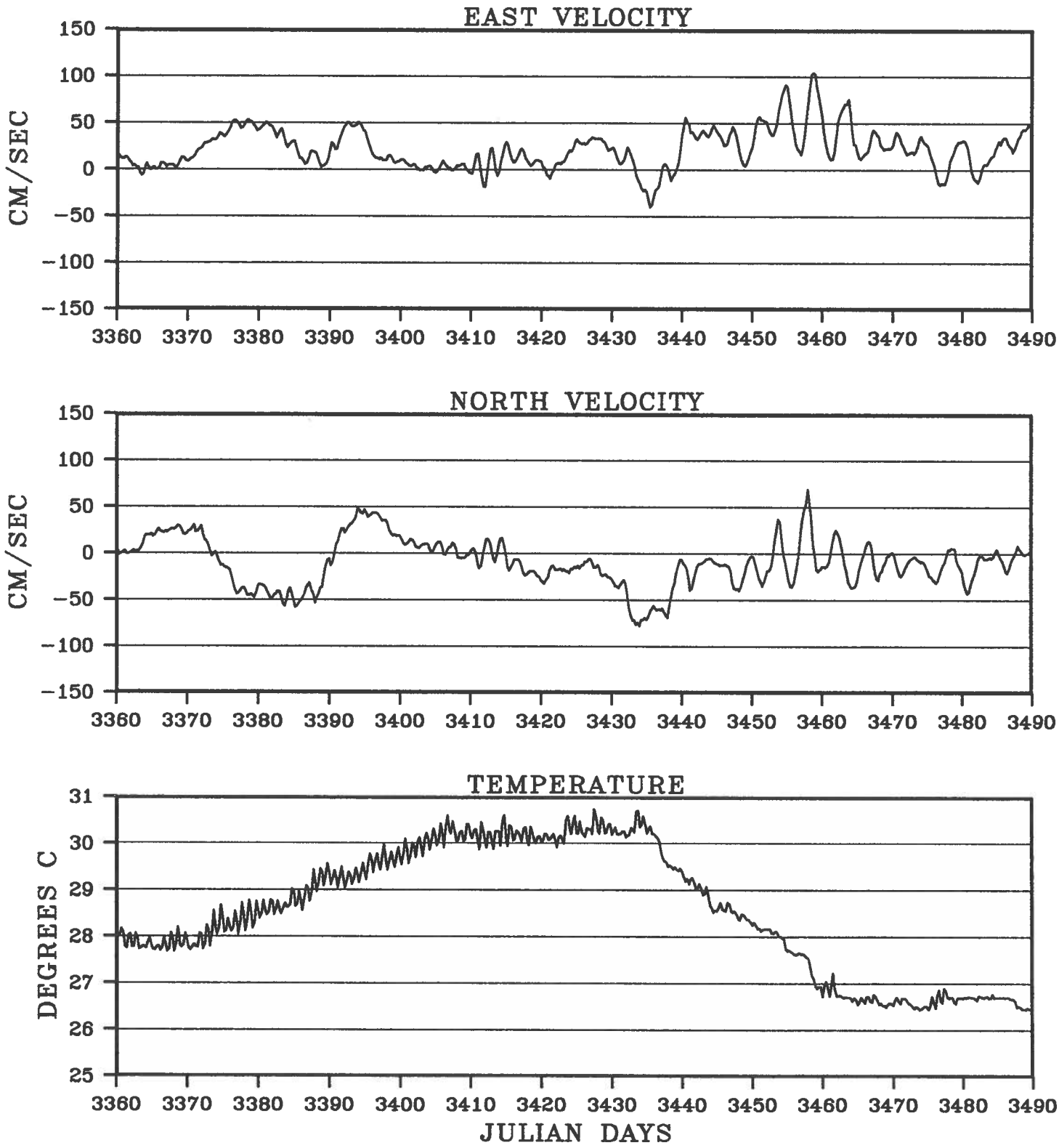
JULIAN DAYS

BUOY 6867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NORTH VELOCITY
CM/SEC
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−150
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TEMPERATURE
DEGREES C
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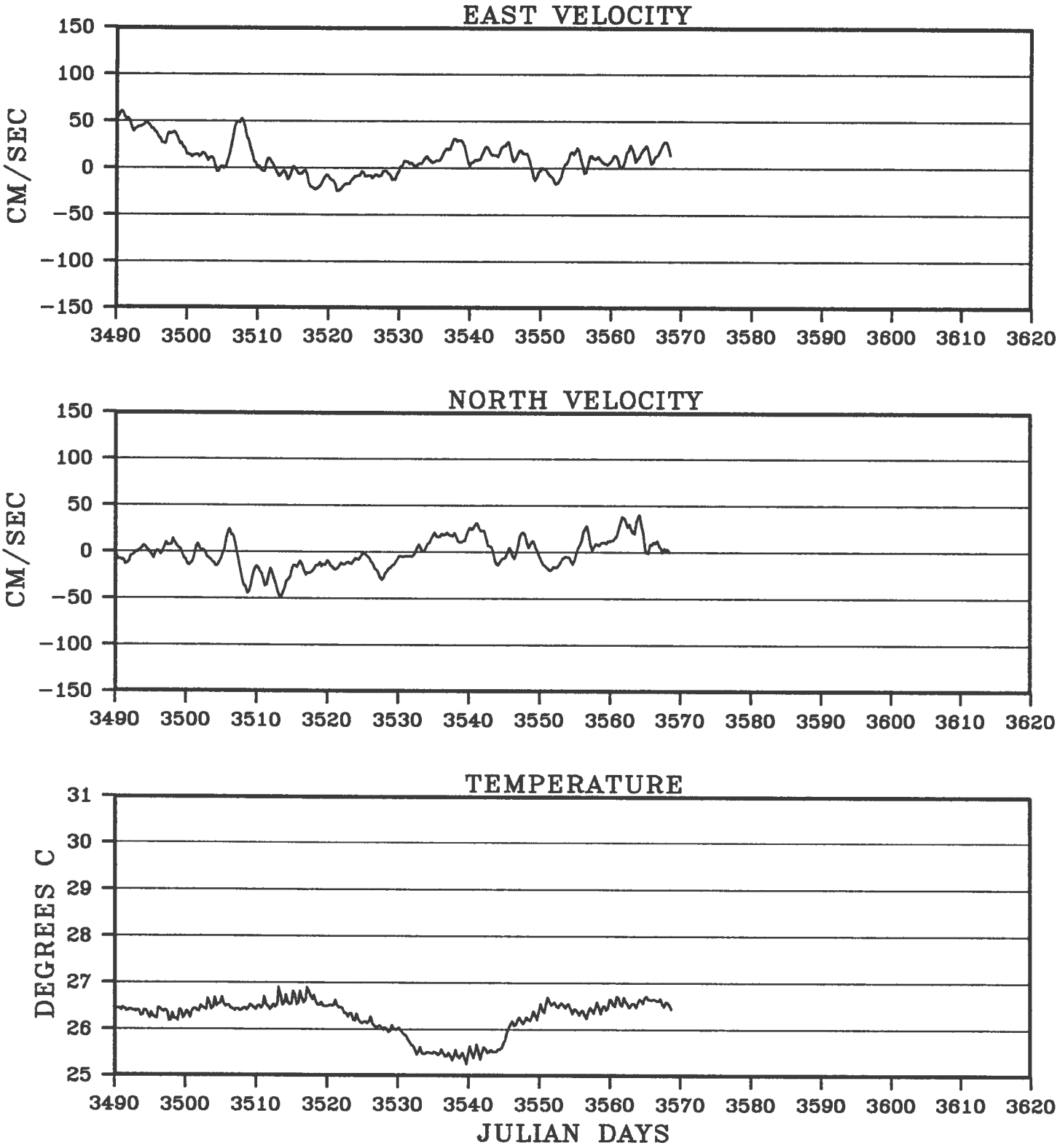
JULIAN DAYS

BUOY 6867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NORTH VELOCITY
CM/SEC
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100
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−150
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TEMPERATURE
DEGREES C
31
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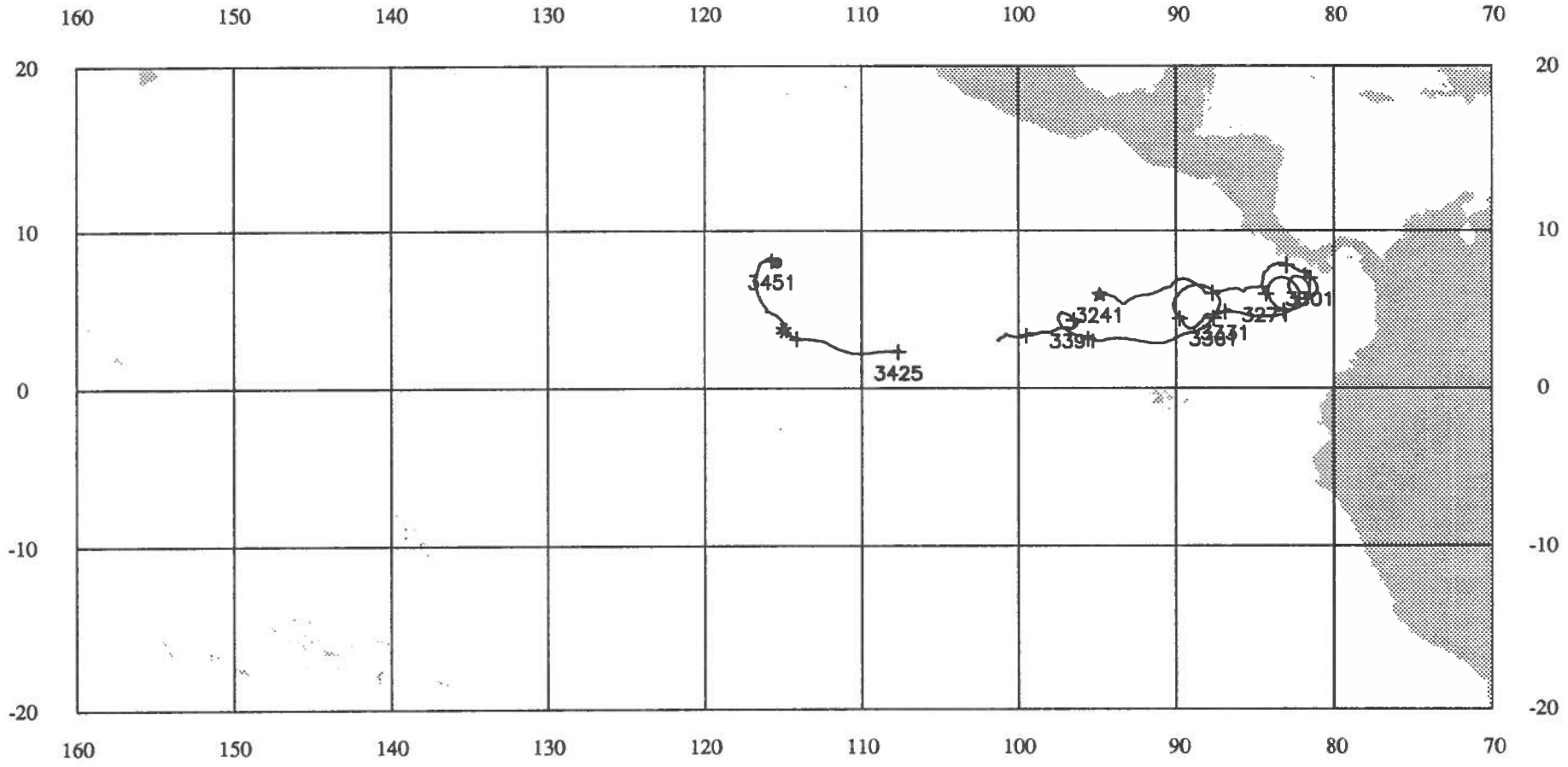
JULIAN DAYS

BUOY 6868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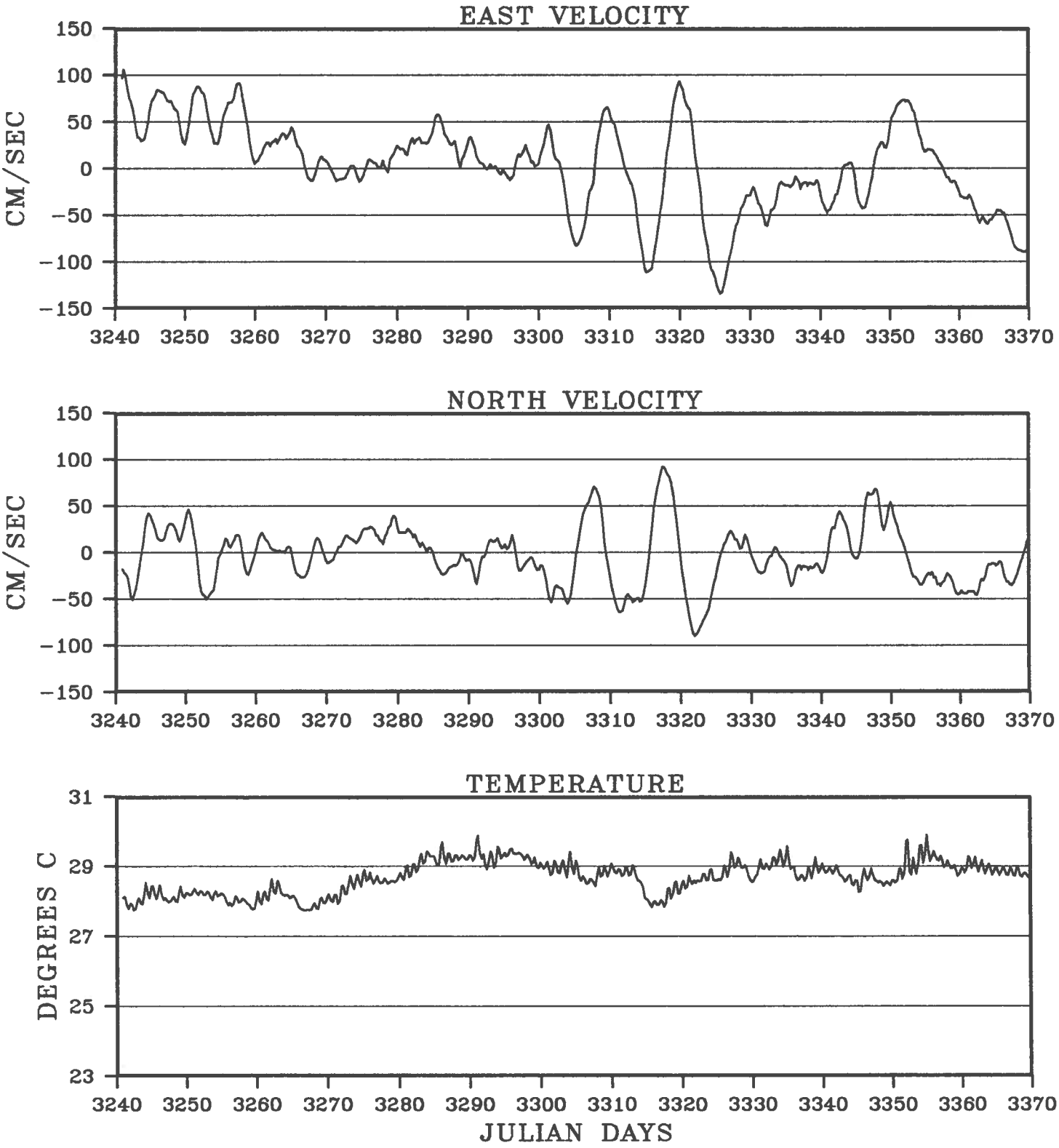
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NORTH VELOCITY
CM/SEC
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3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370
TEMPERATURE
DEGREES C
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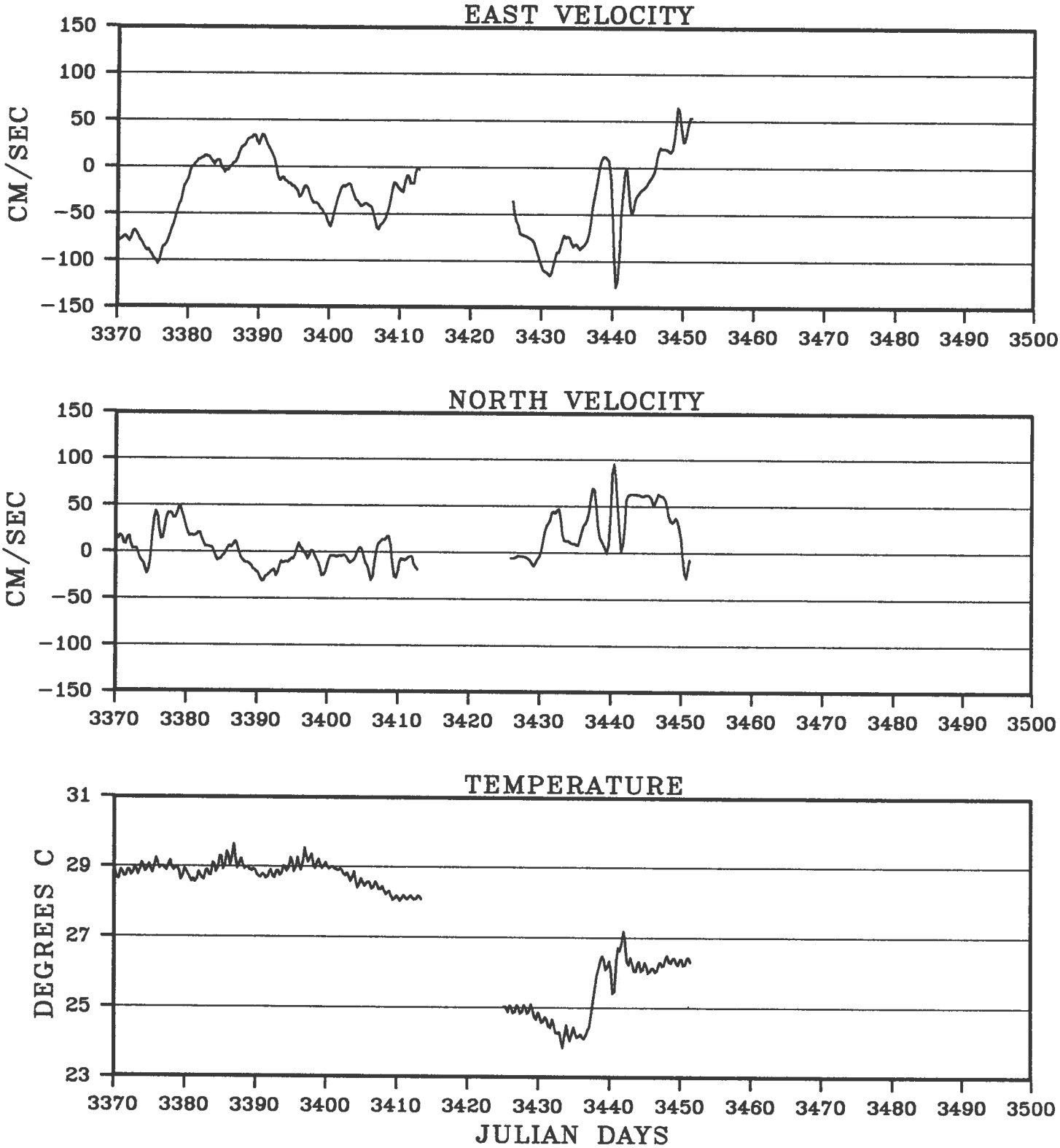
JULIAN DAYS

BUOY 6868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NORTH VELOCITY
CM/SEC
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100
50
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−50
−100
−150
3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500
TEMPERATURE
DEGREES C
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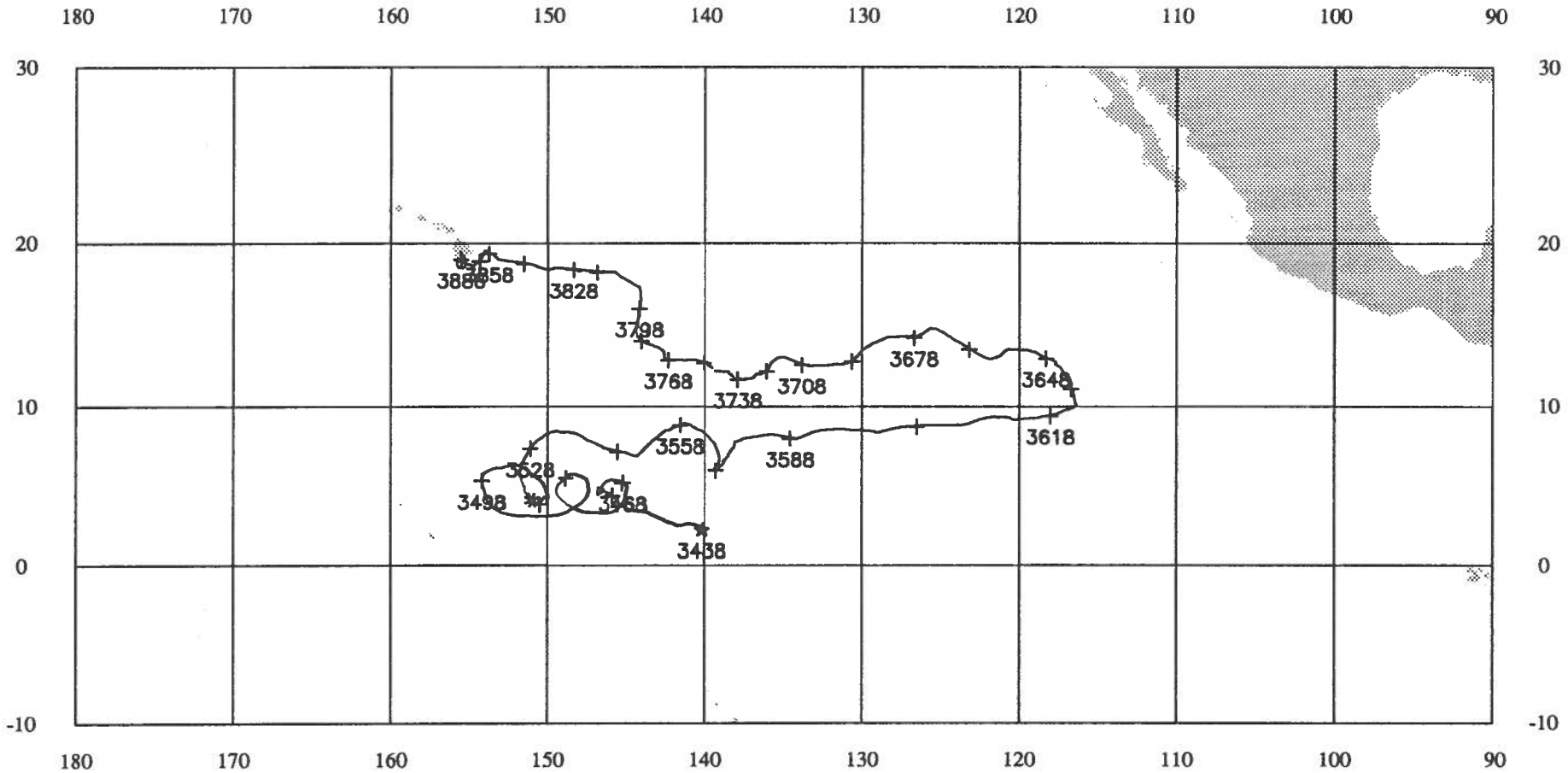
JULIAN DAYS

BUOY 6873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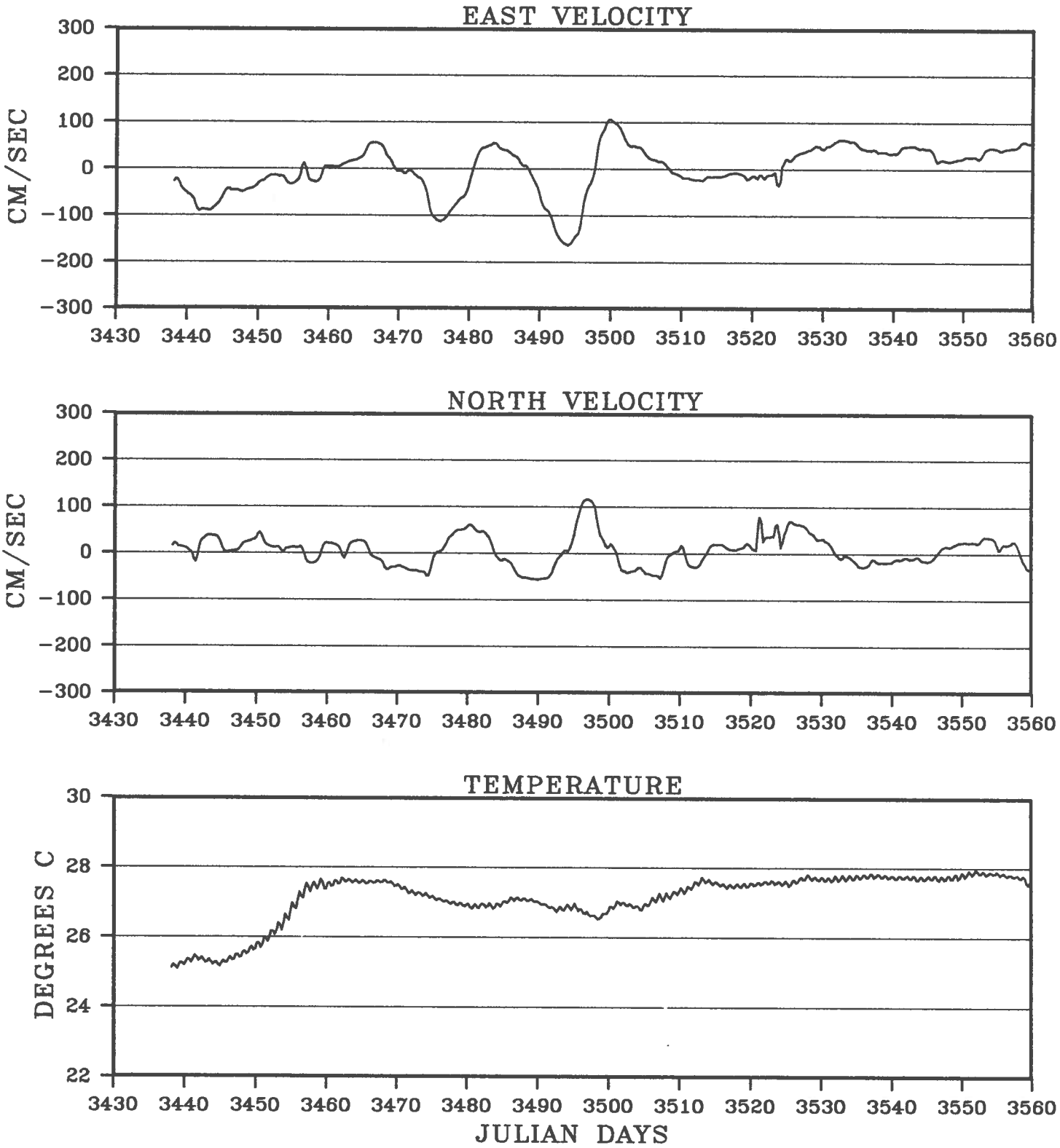
BUOY 6873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NORTH VELOCITY
CM/SEC
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200
100
0
−100
−200
−300
3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560
TEMPERATURE
DEGREES C
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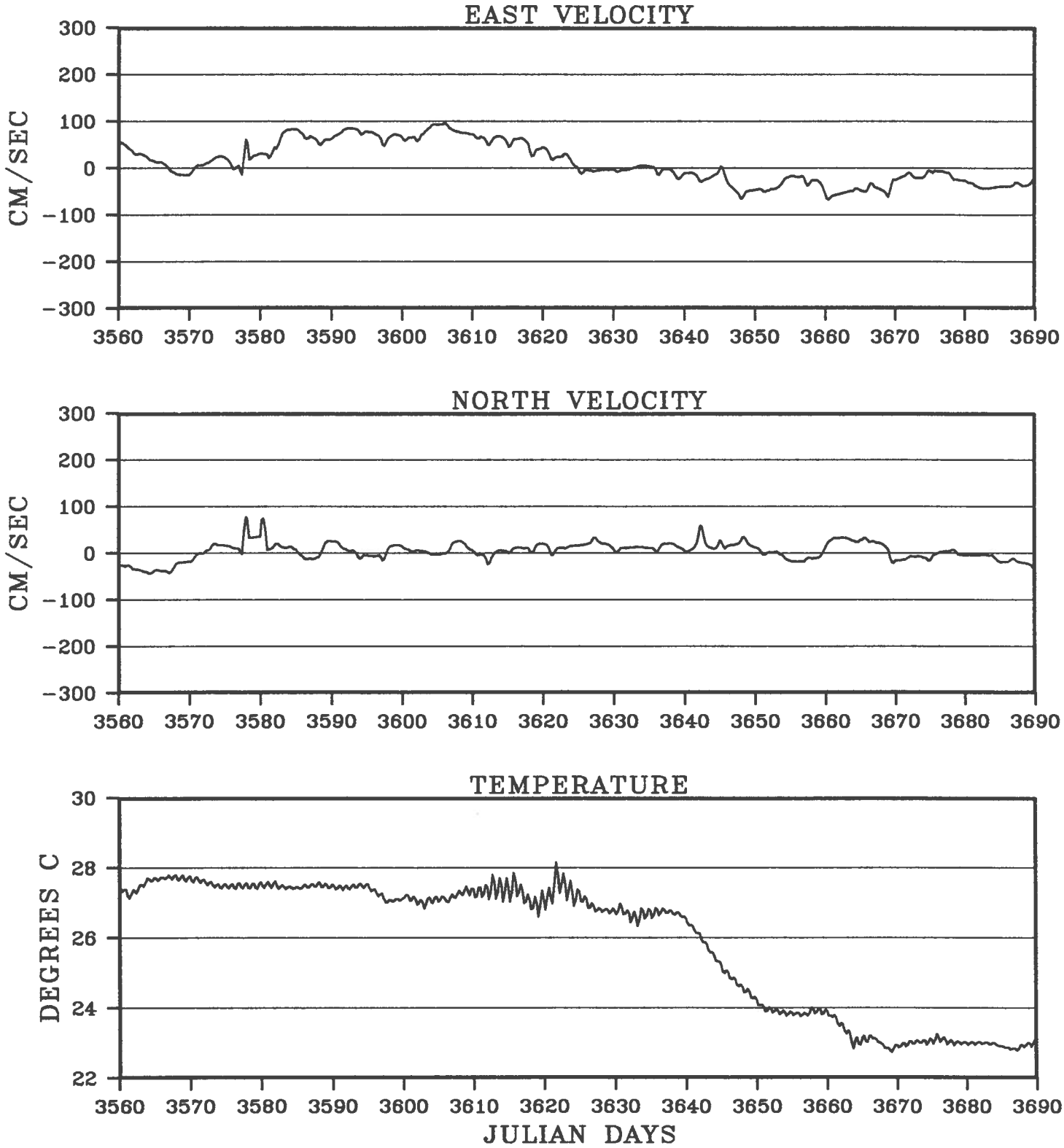
JULIAN DAYS

BUOY 6873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NORTH VELOCITY
CM/SEC
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-100
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TEMPERATURE
DEGREES C
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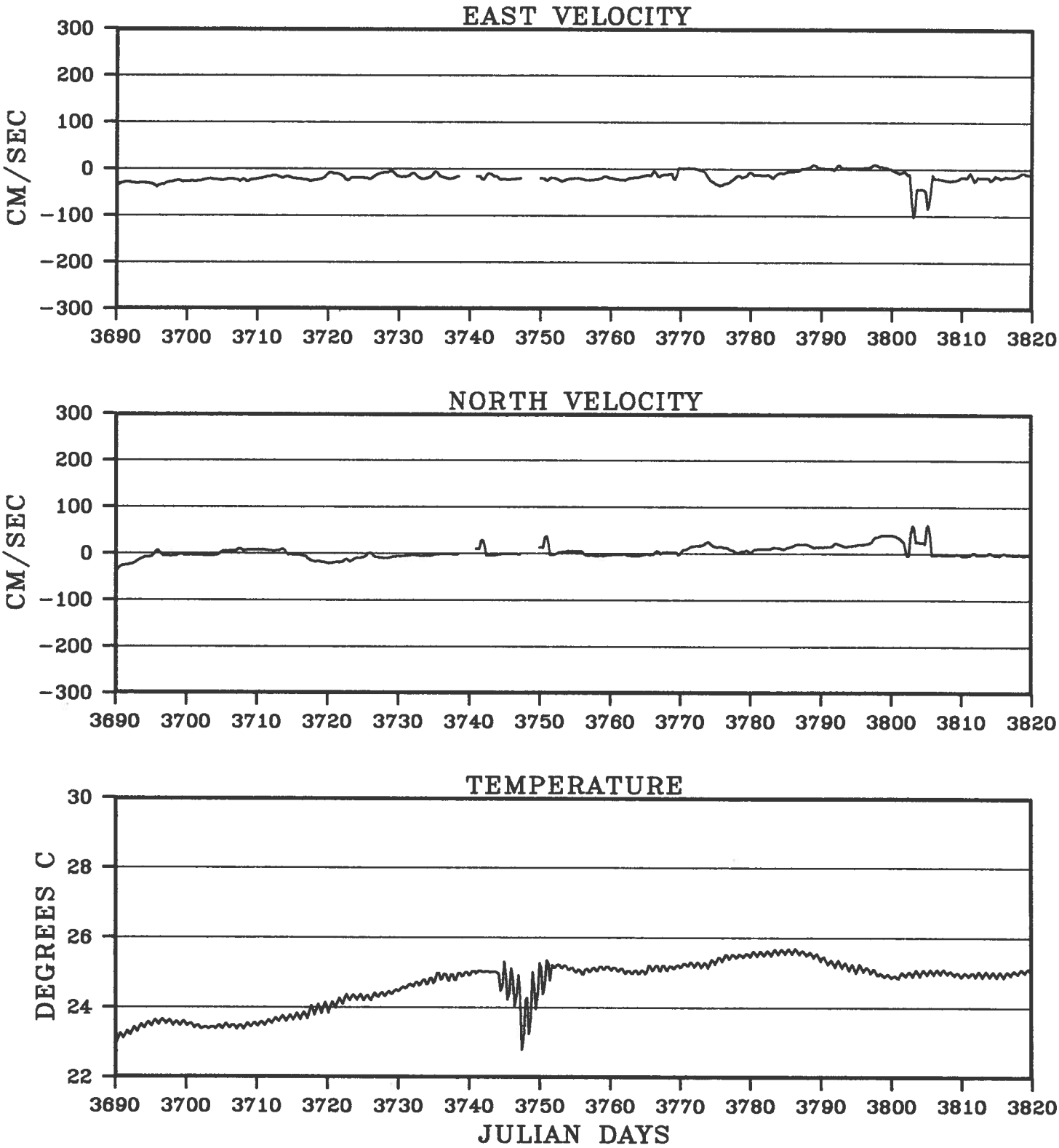
JULIAN DAYS

BUOY 6873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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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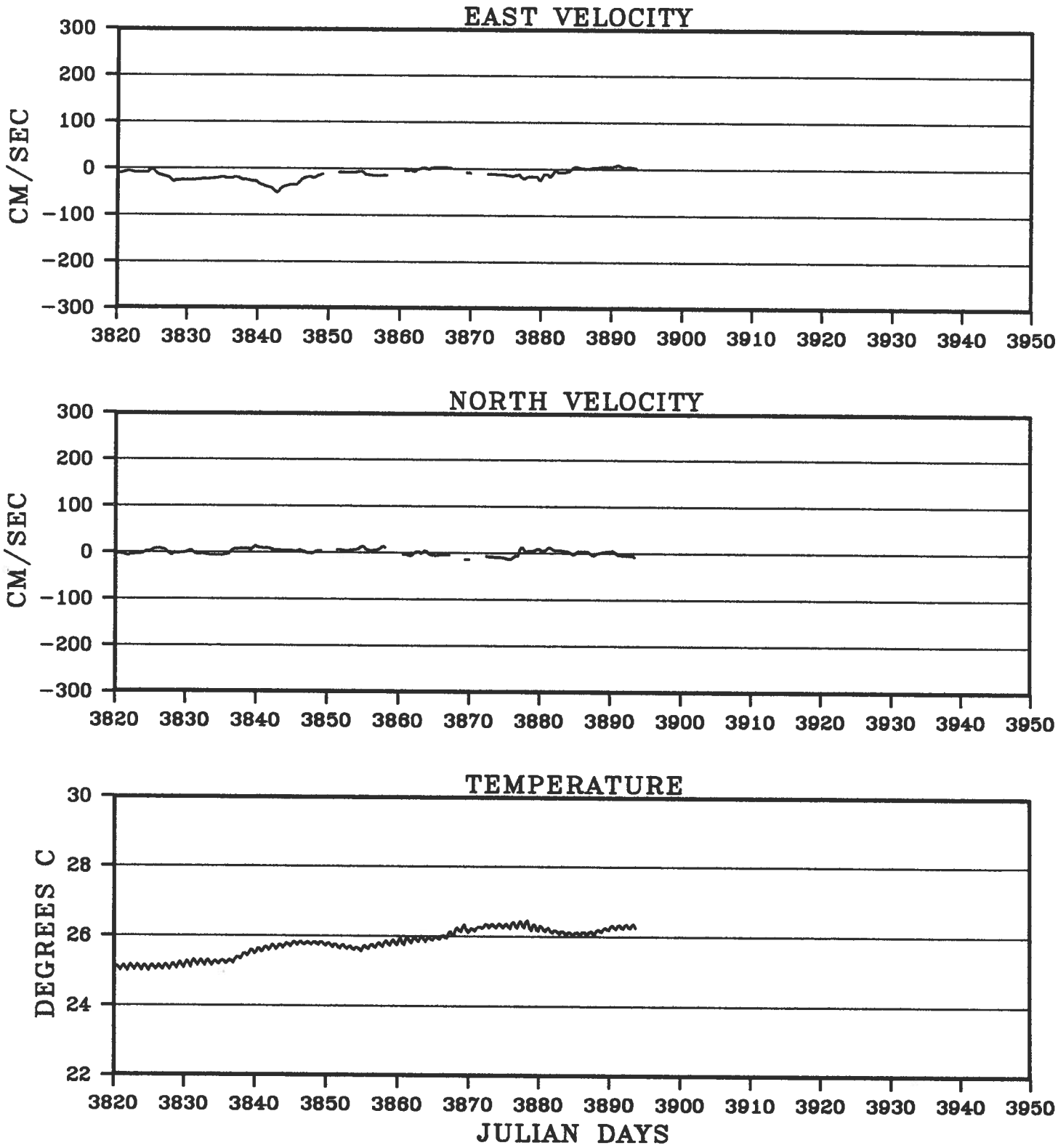
JULIAN DAYS

BUOY 6873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NORTH VELOCITY
CM/SEC
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-100
-200
-300
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TEMPERATURE
DEGREES C
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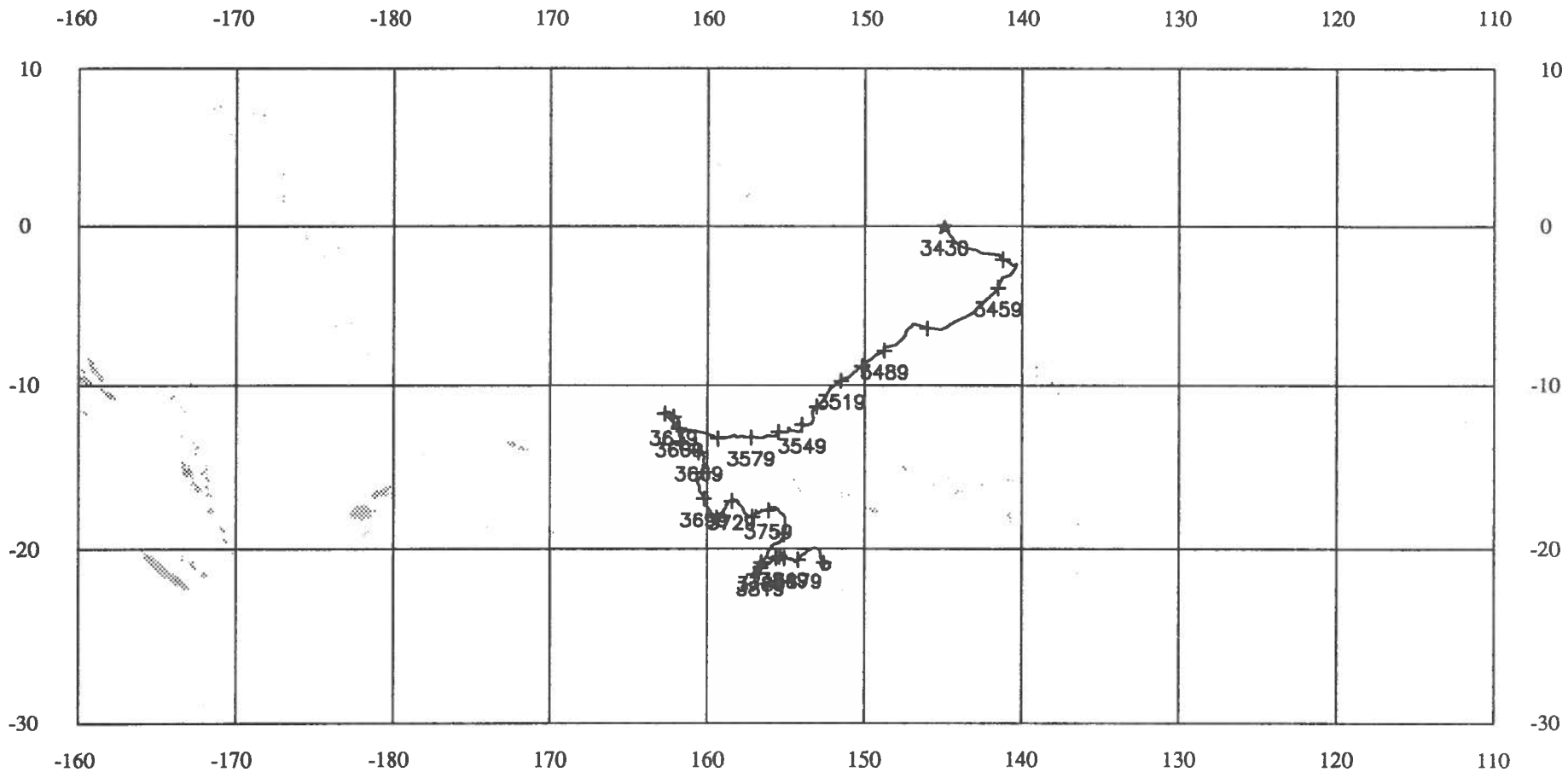
JULIAN DAYS

BUOY 6883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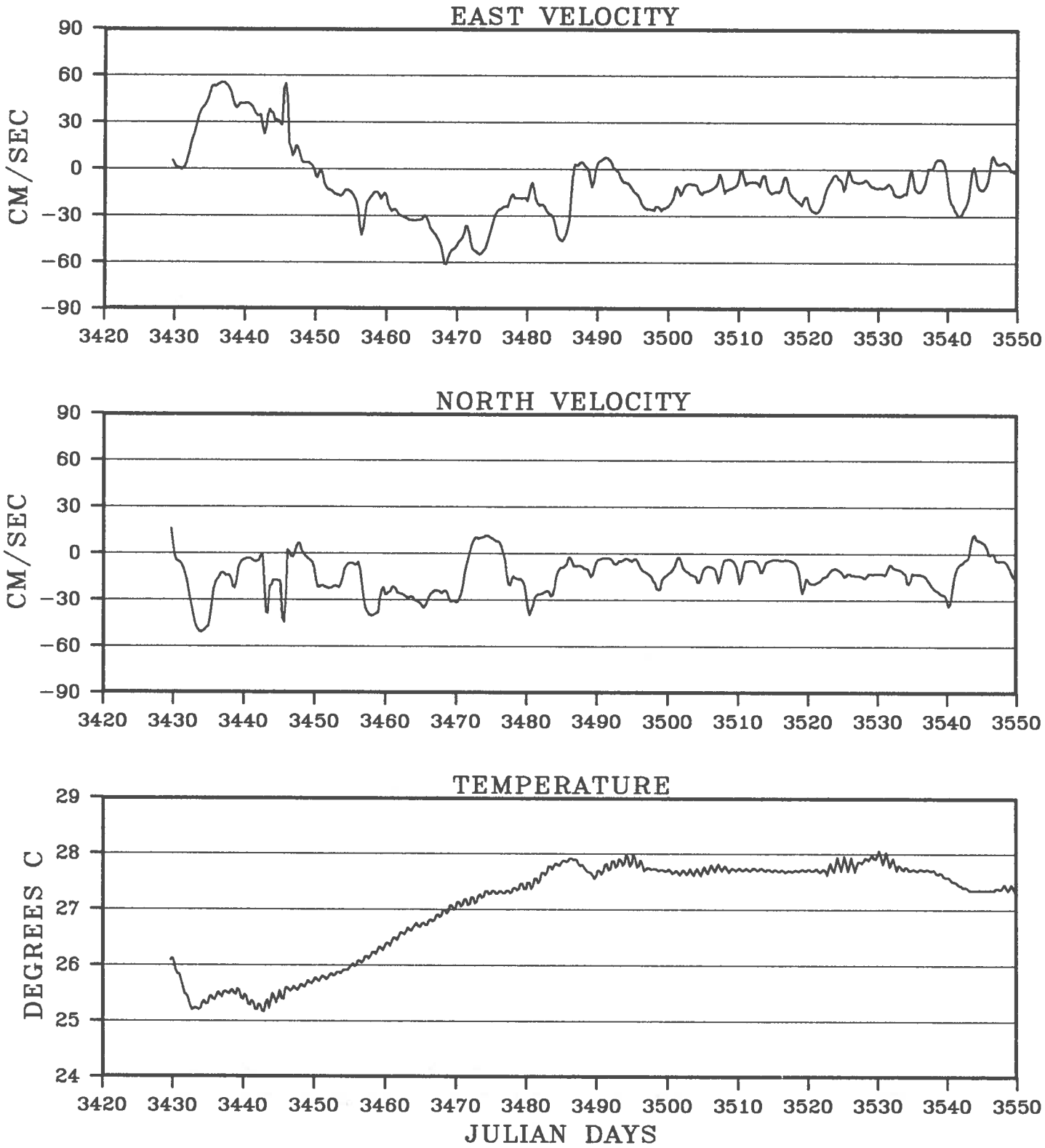
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CM/SEC
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NORTH VELOCITY
CM/SEC
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-30
-60
-90
3420 3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550
TEMPERATURE
DEGREES C
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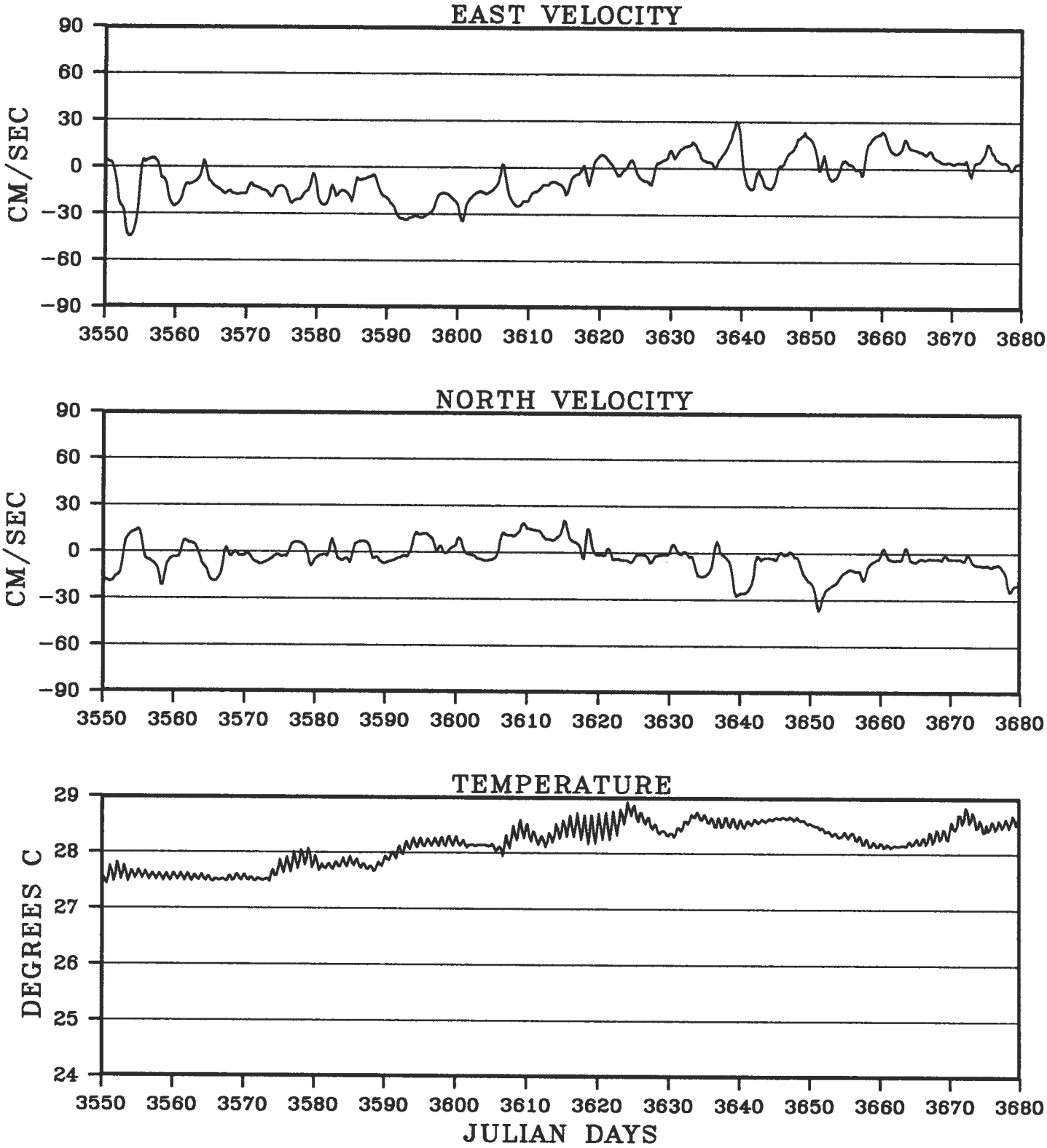
JULIAN DAYS

BUOY 6883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CM/SEC
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NORTH VELOCITY
CM/SEC
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60
30
0
−30
−60
−90
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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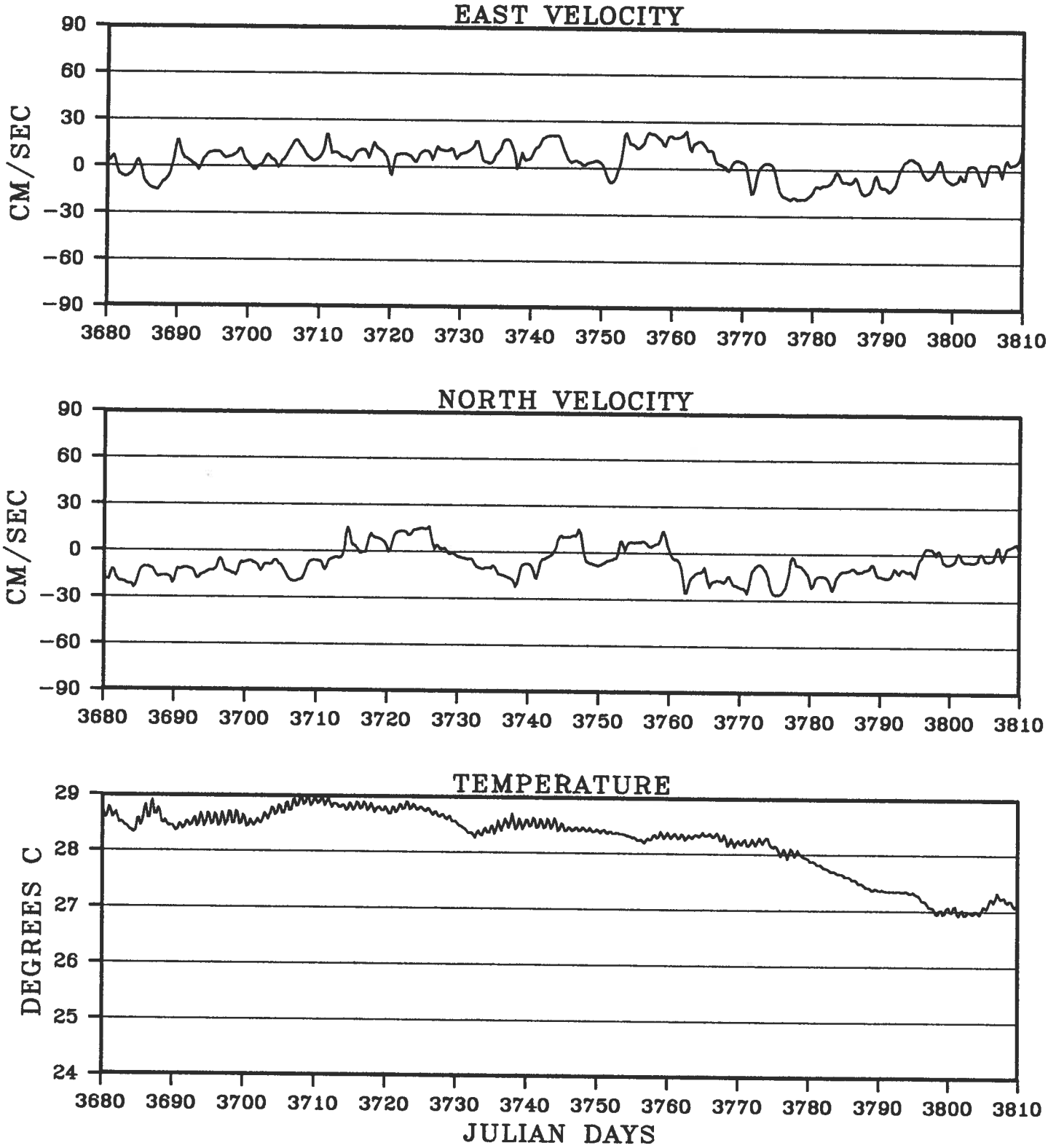
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CM/SEC
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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JULIAN DAYS

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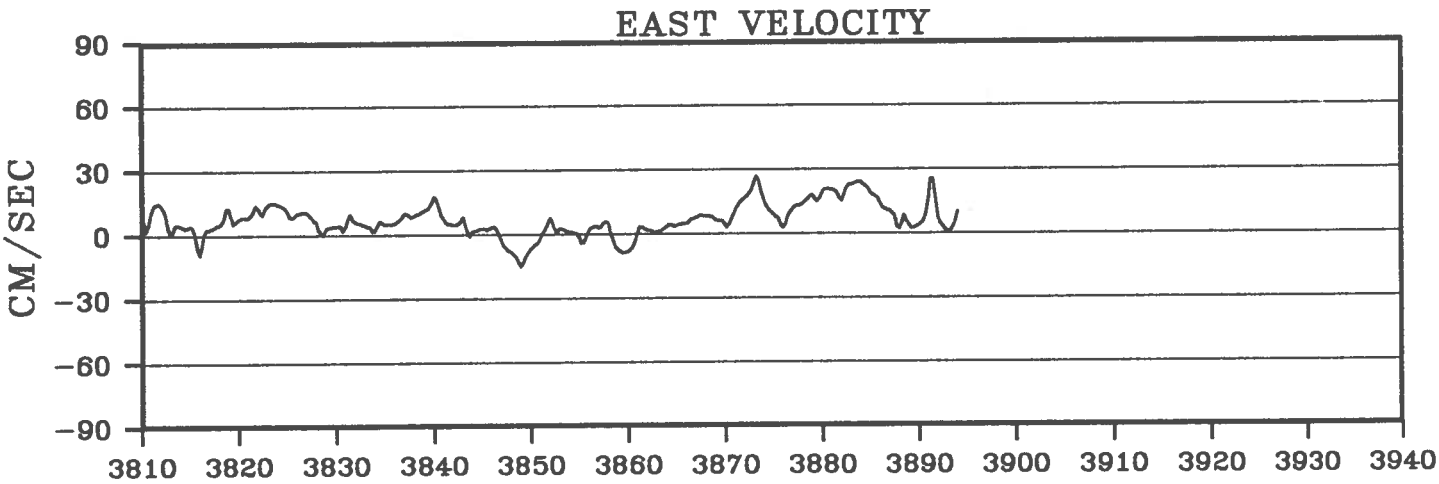
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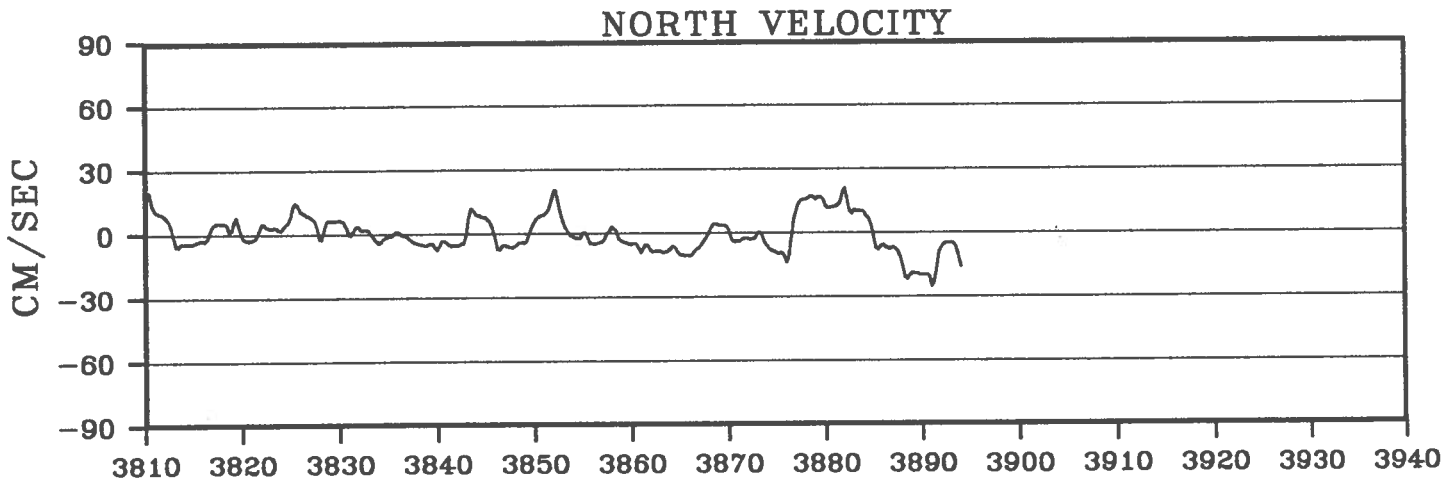
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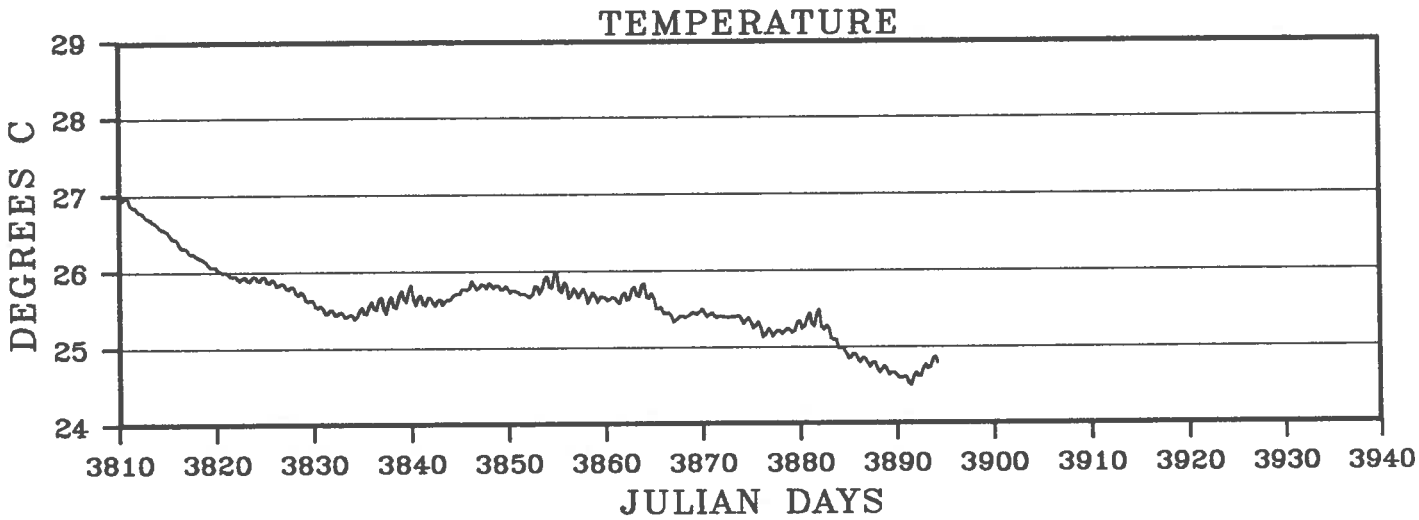
TEMPERATURE
DEGREES C
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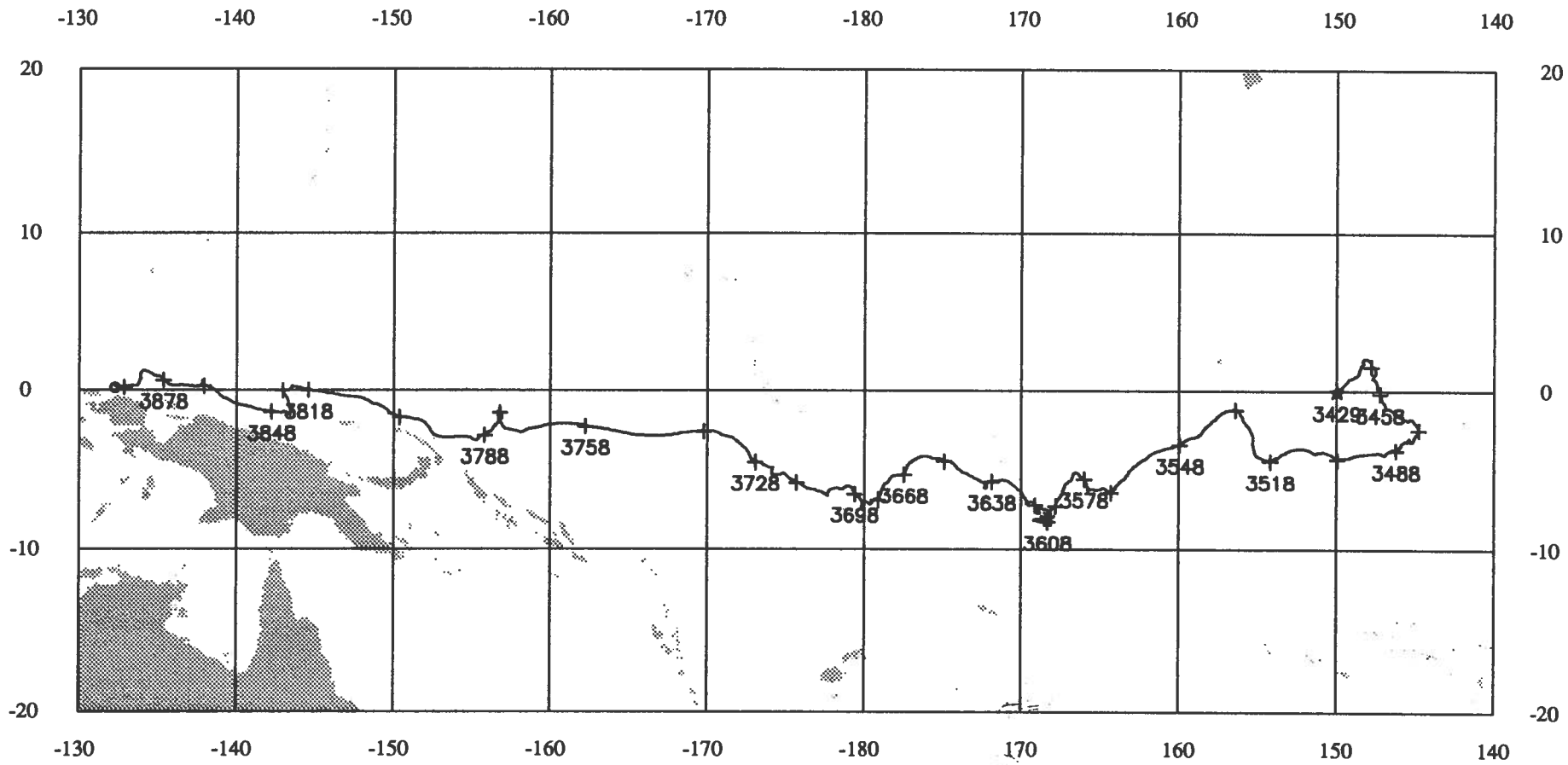
JULIAN DAYS

BUOY 6884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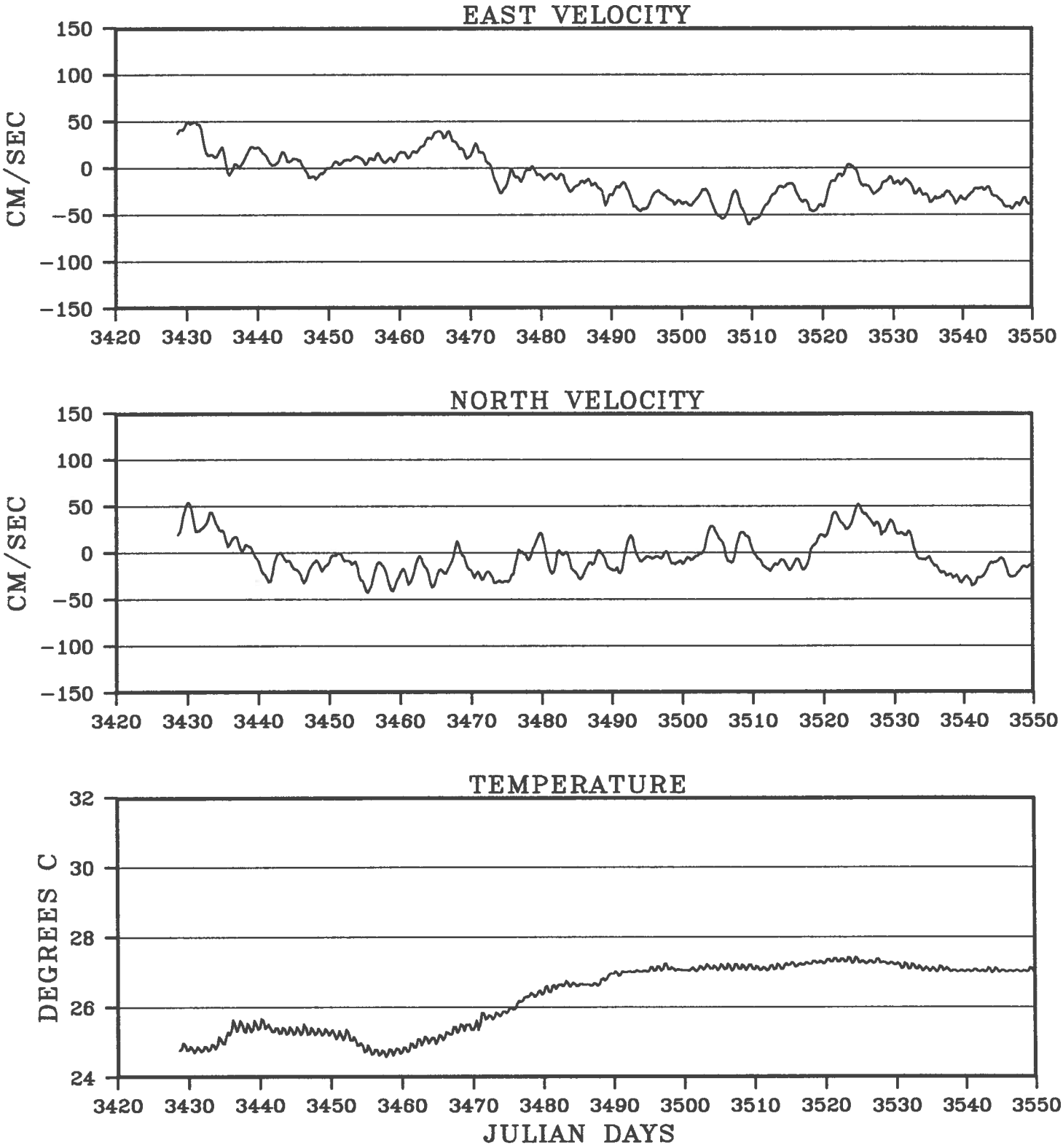
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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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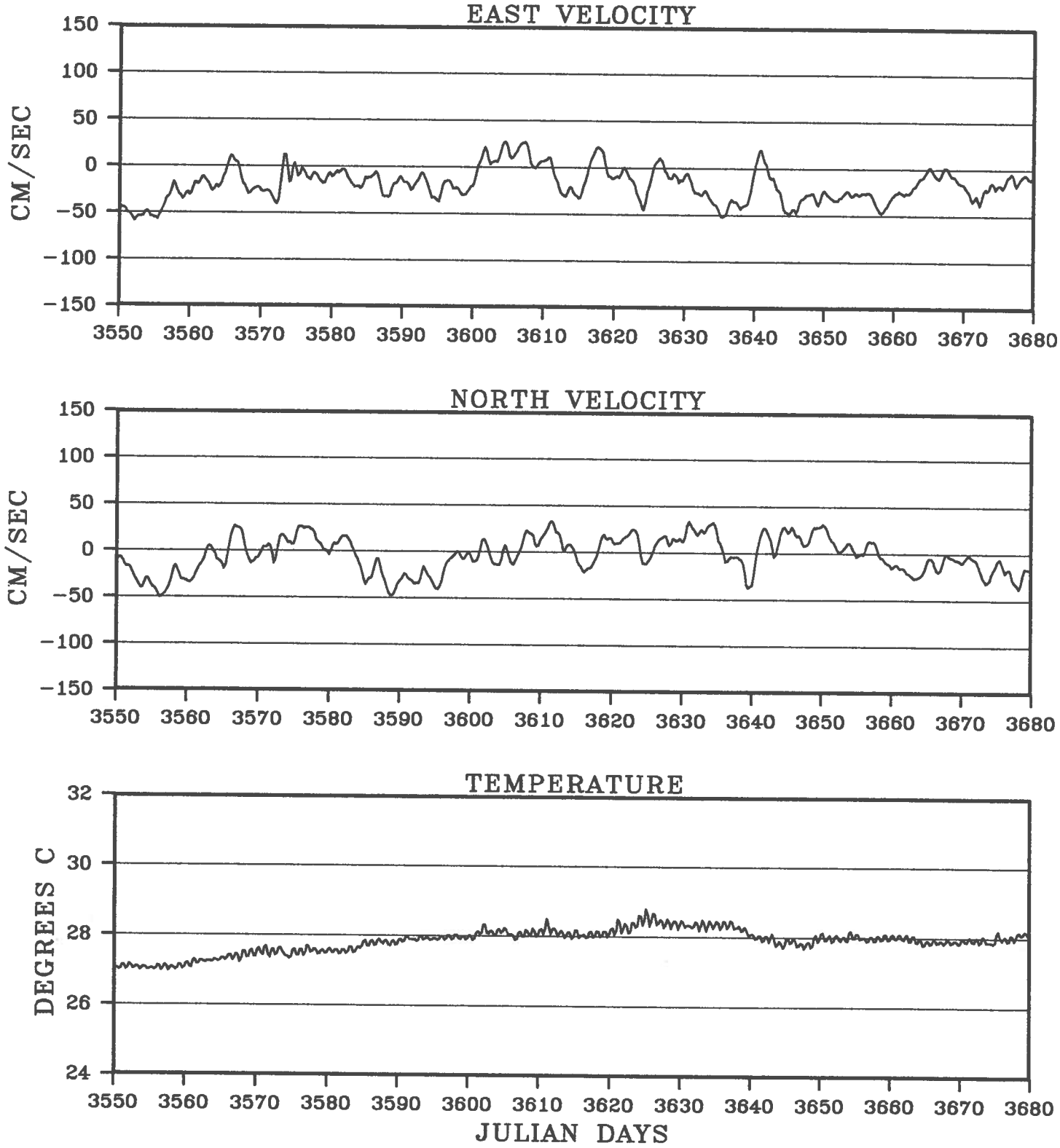
JULIAN DAYS

BUOY 6884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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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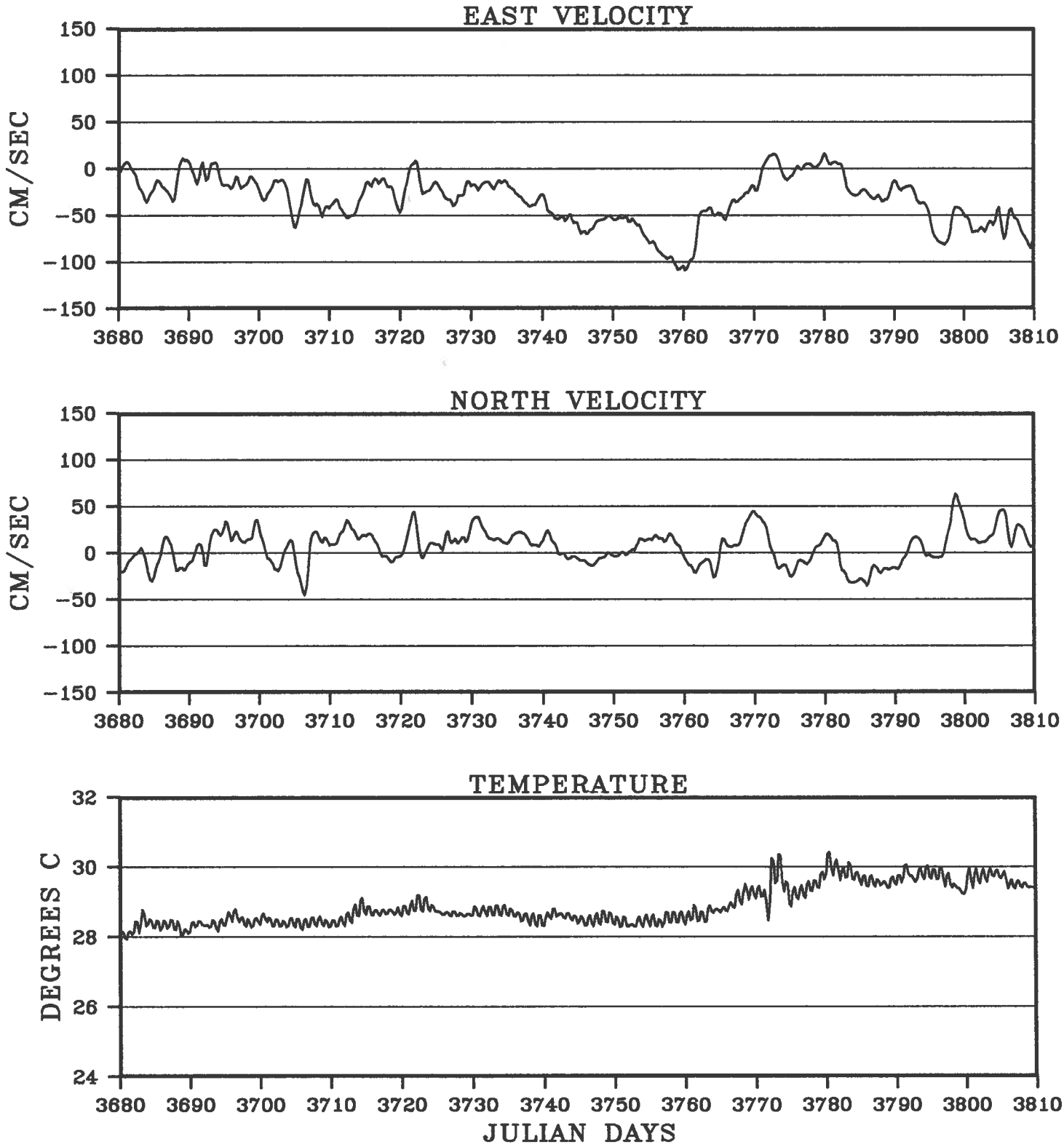
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CM/SEC
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TEMPERATURE
DEGREES C
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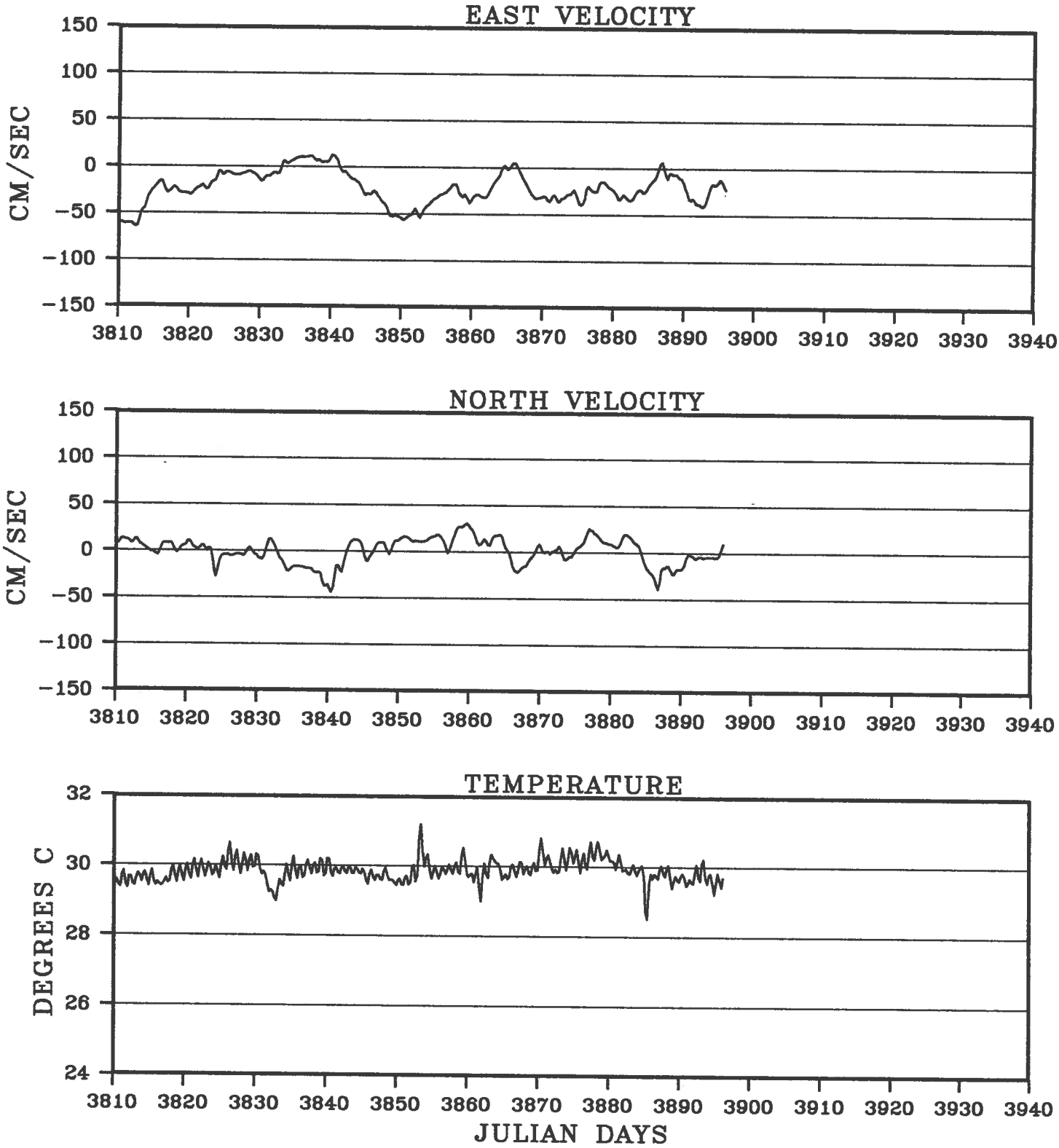
JULIAN DAYS

BUOY 6884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TEMPERATURE
DEGREES C
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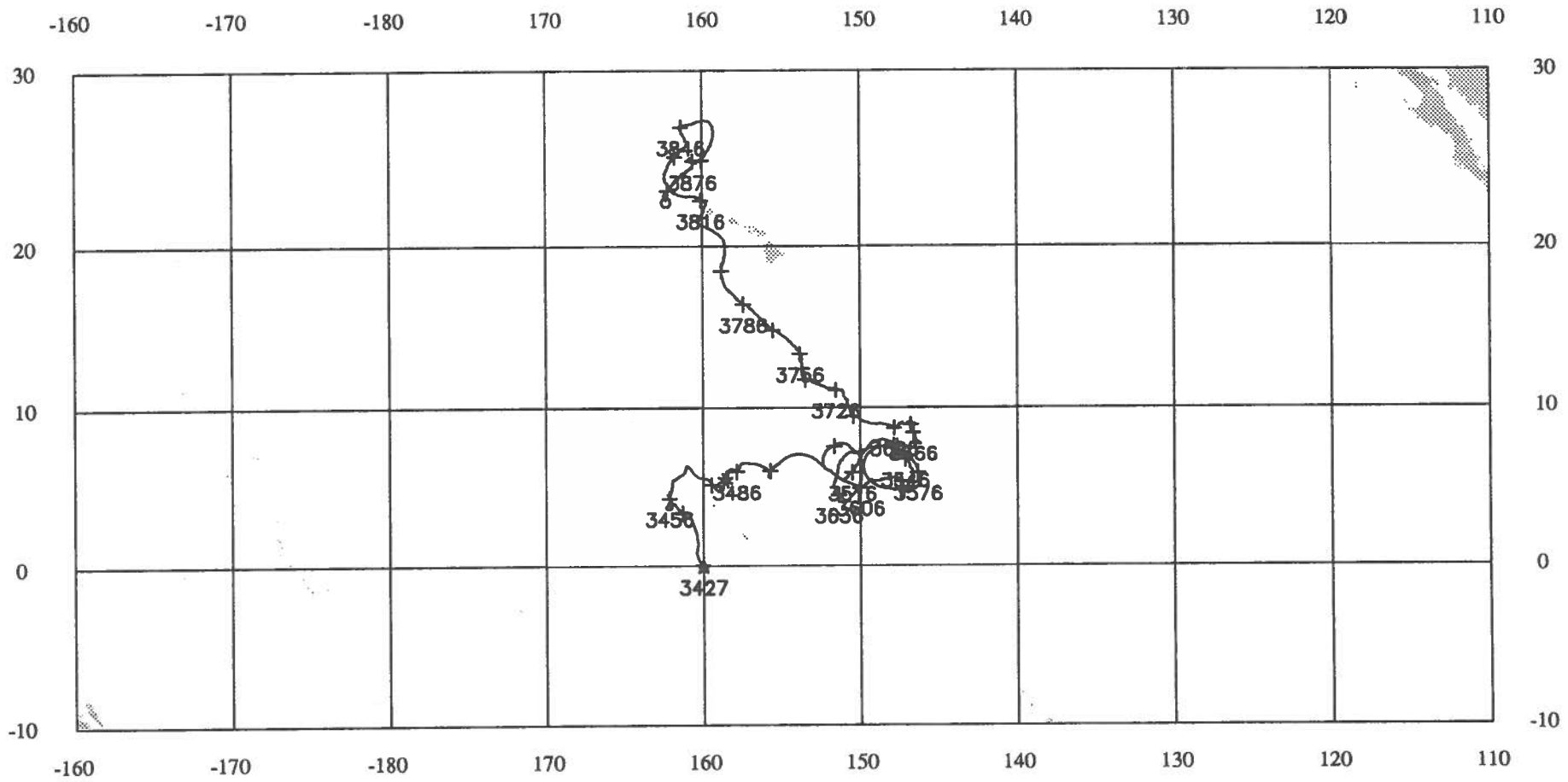
JULIAN DAYS

BUOY 6885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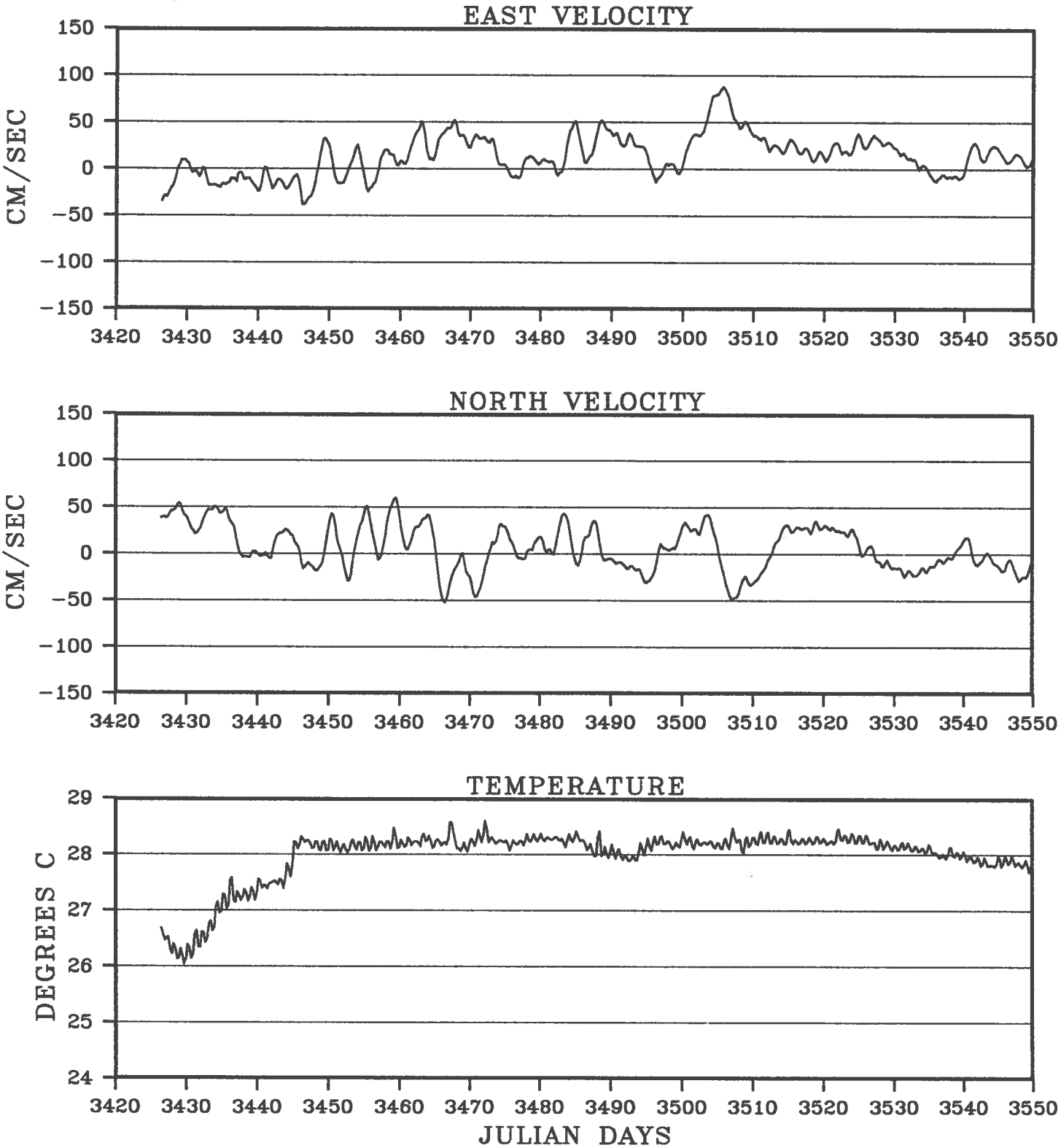
BUOY 6885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NORTH VELOCITY
CM/SEC
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TEMPERATURE
DEGREES C
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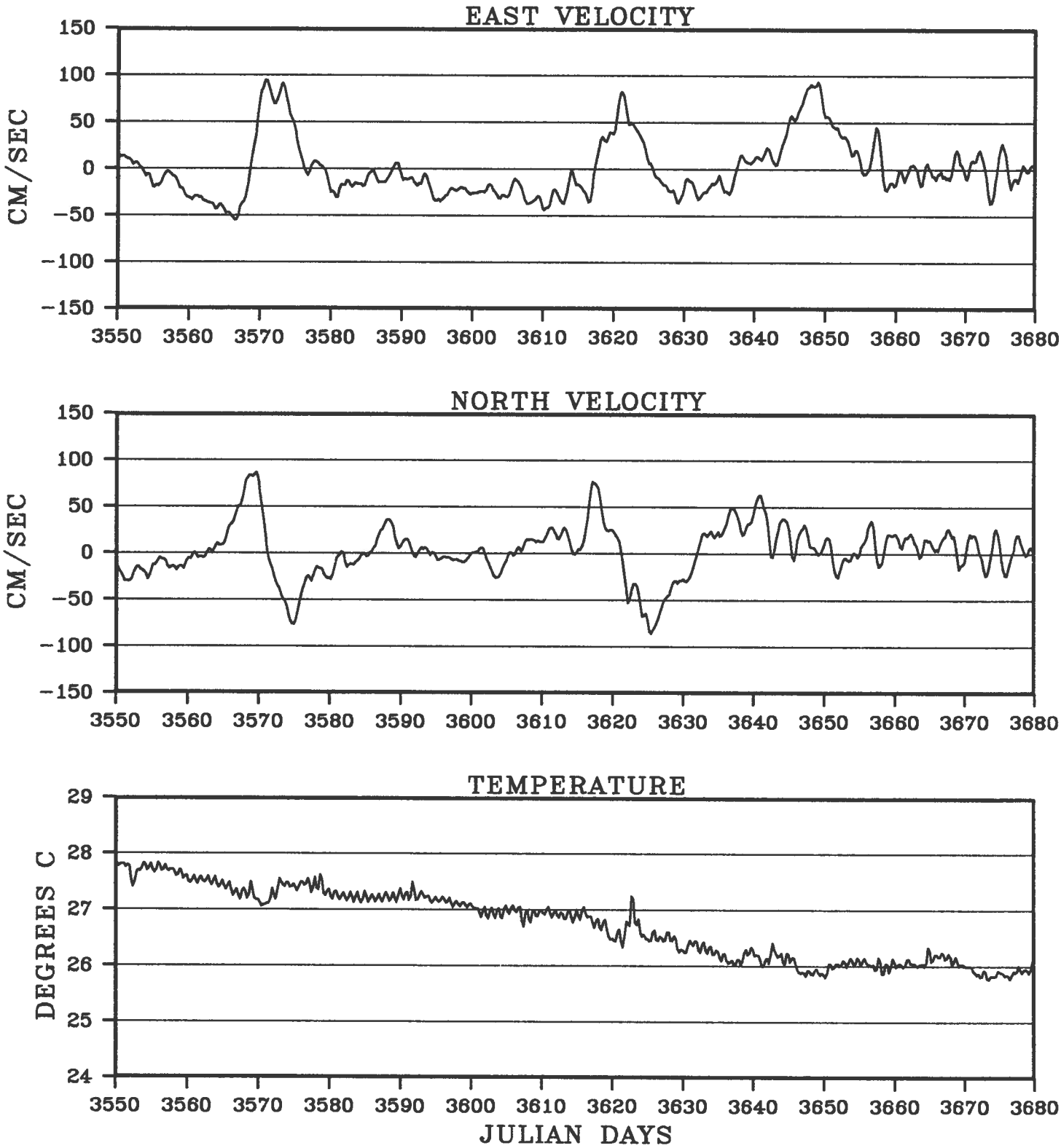
JULIAN DAYS

BUOY 6885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NORTH VELOCITY
CM/SEC
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3550 3560 3570 3580 3590 3600 3610 3620 3630 3640 3650 3660 3670 3680
TEMPERATURE
DEGREES C
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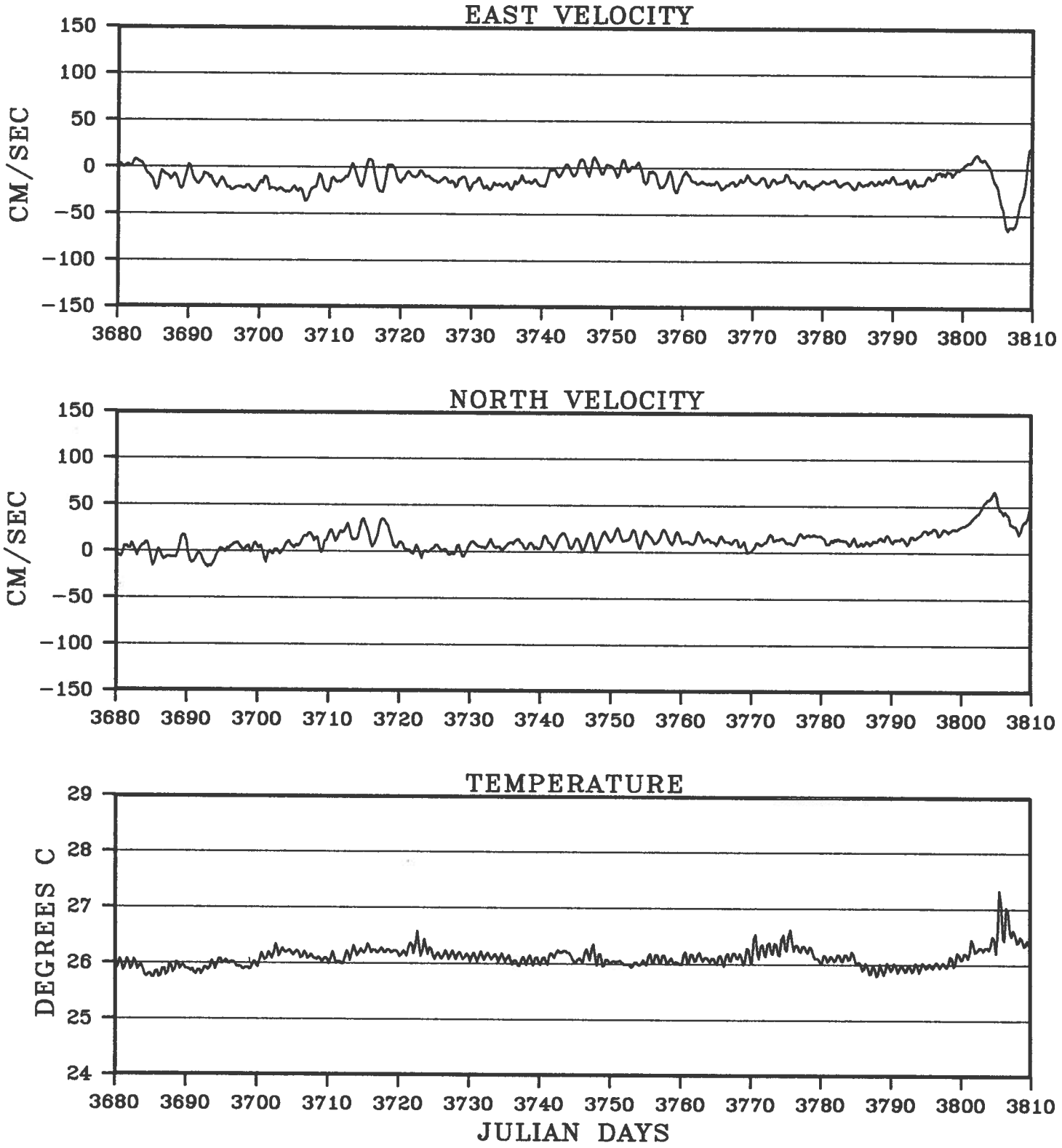
JULIAN DAYS

BUOY 6885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NORTH VELOCITY
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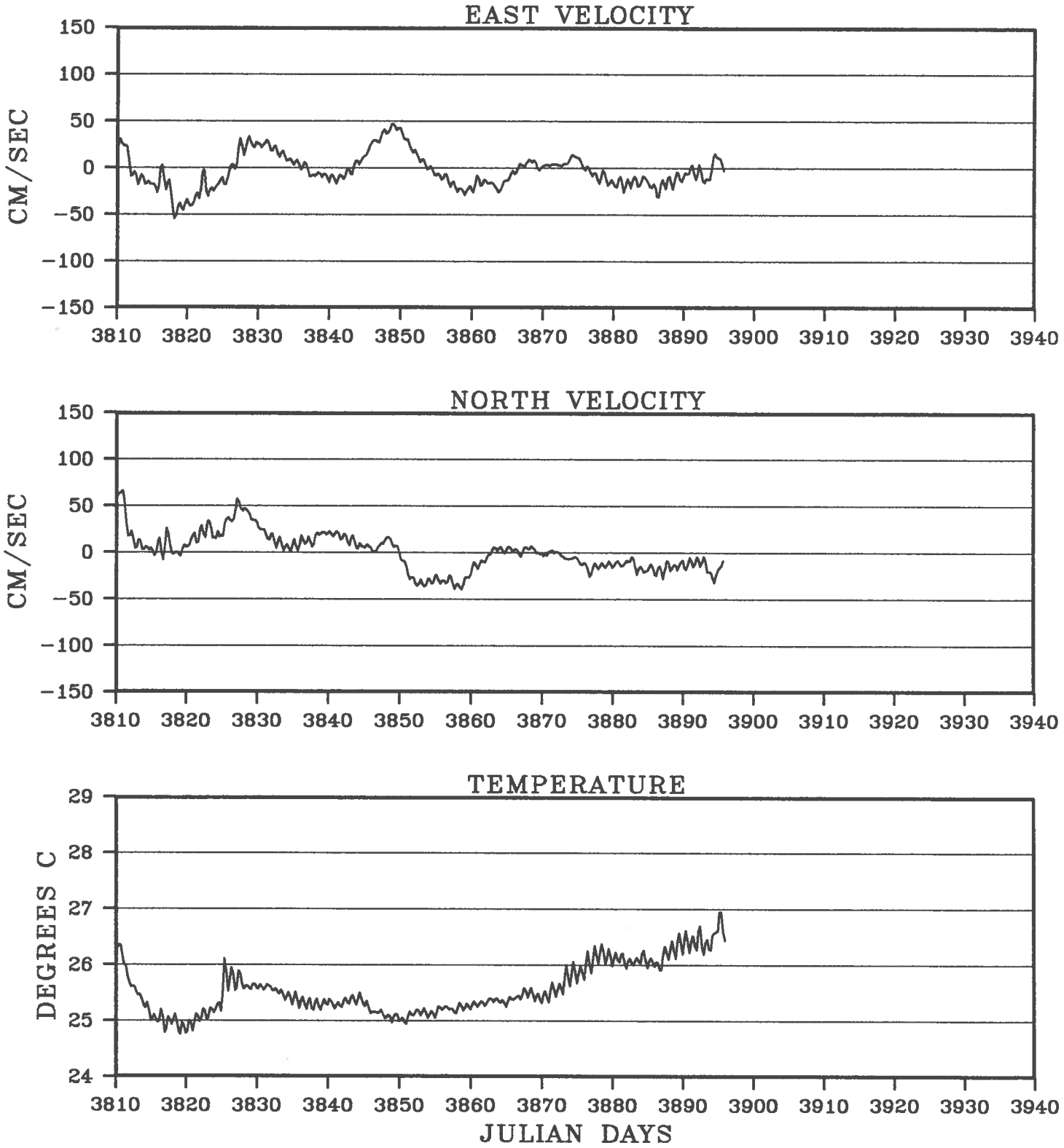
JULIAN DAYS

BUOY 6885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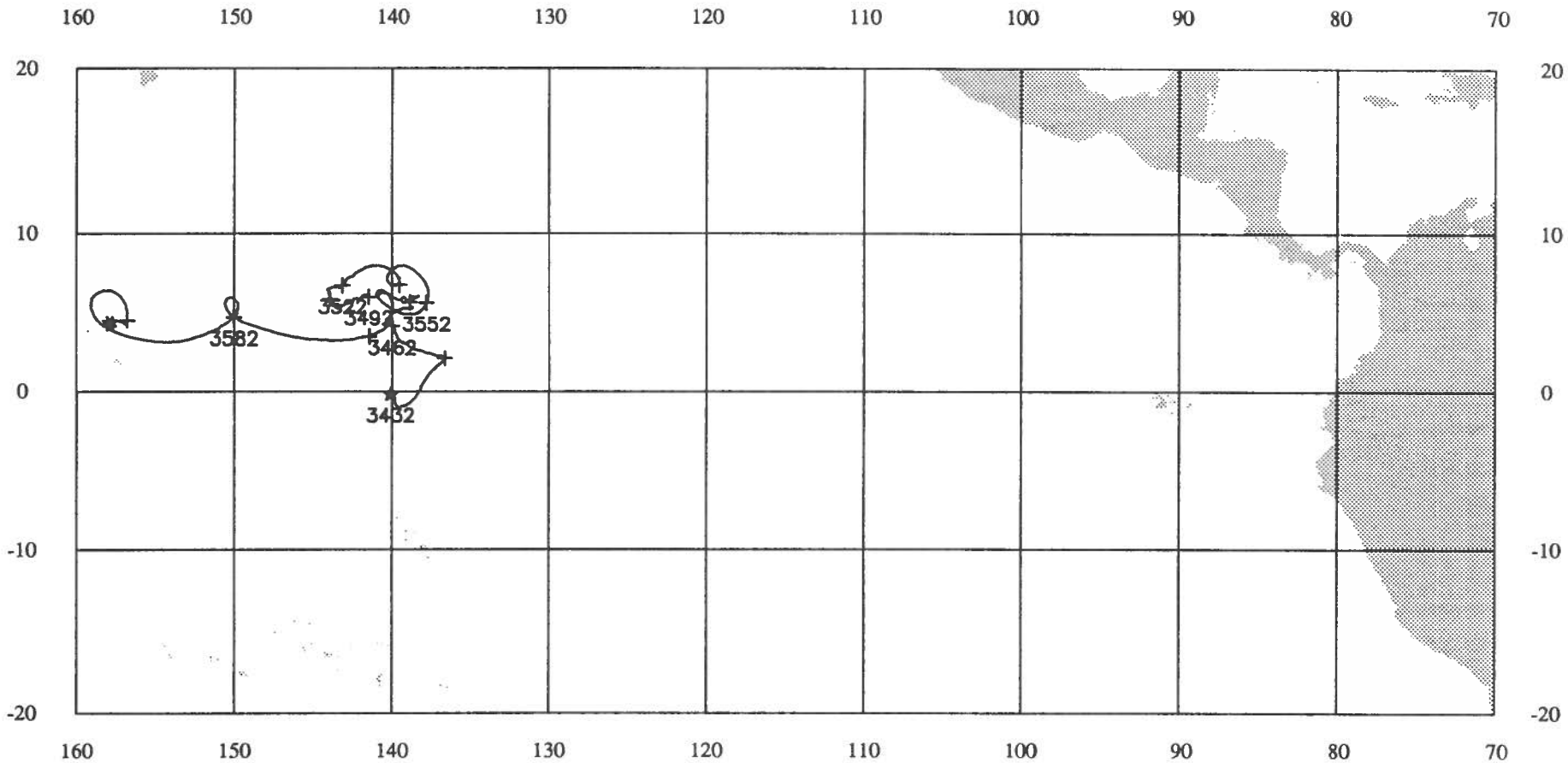
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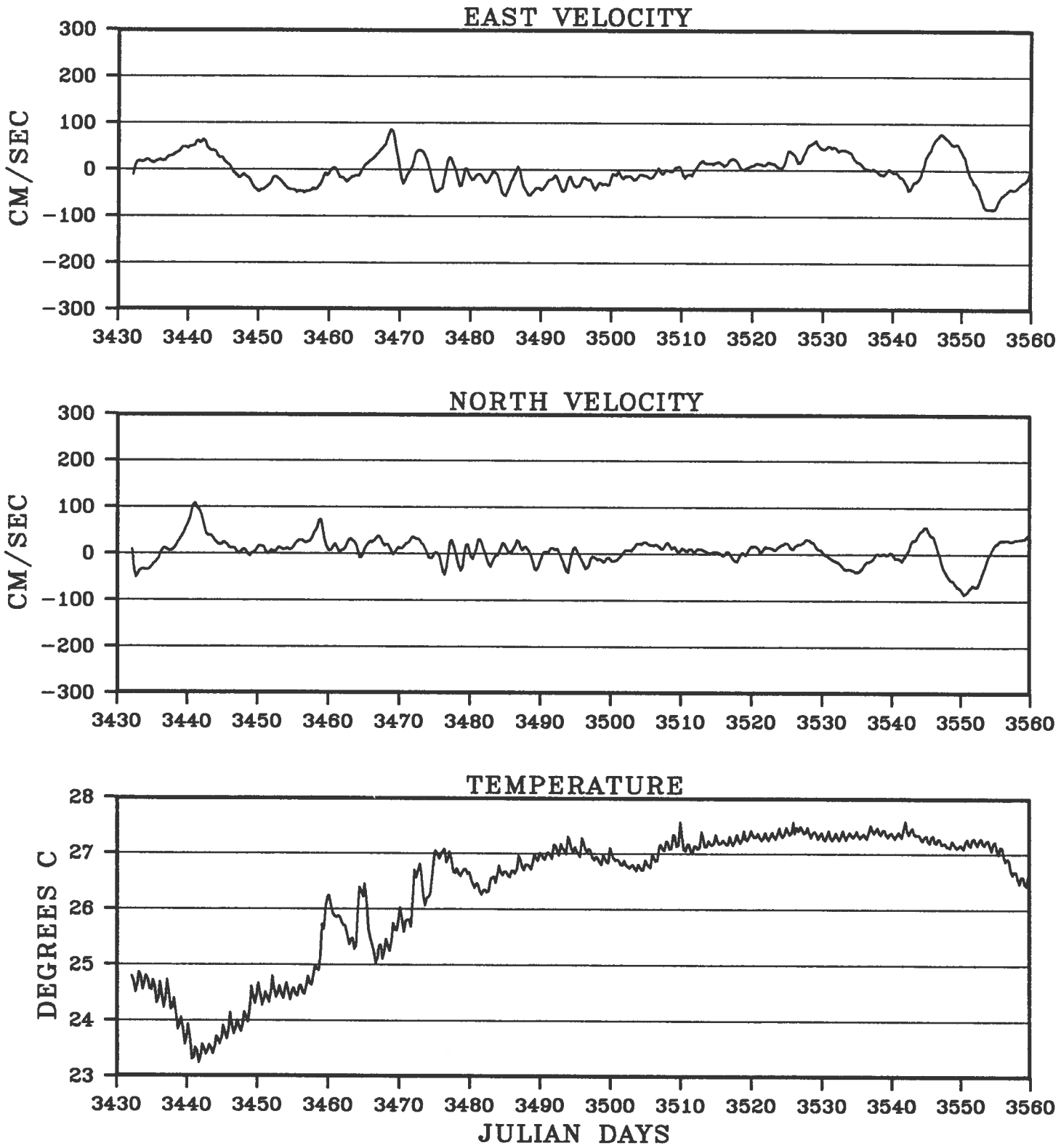
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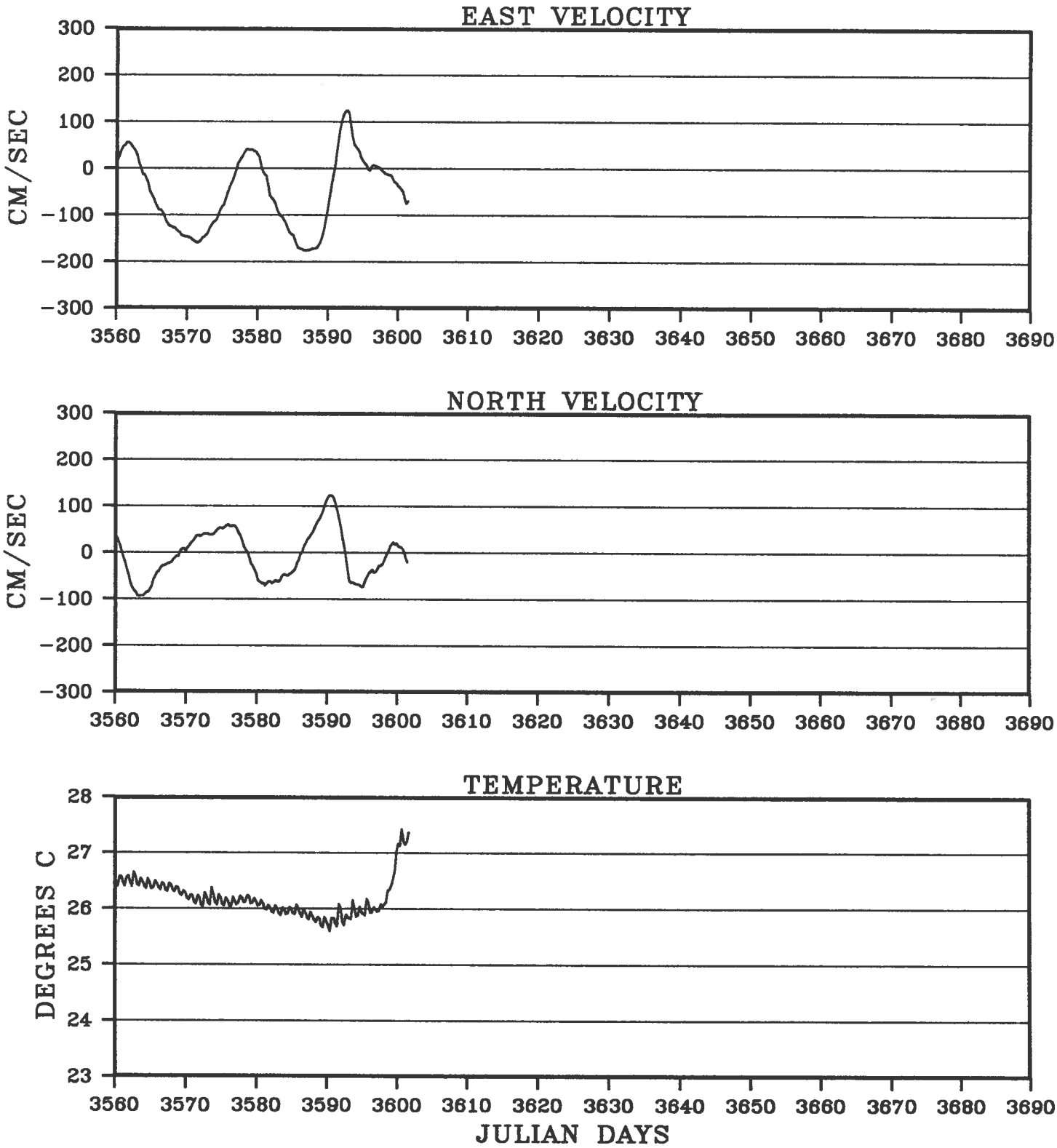
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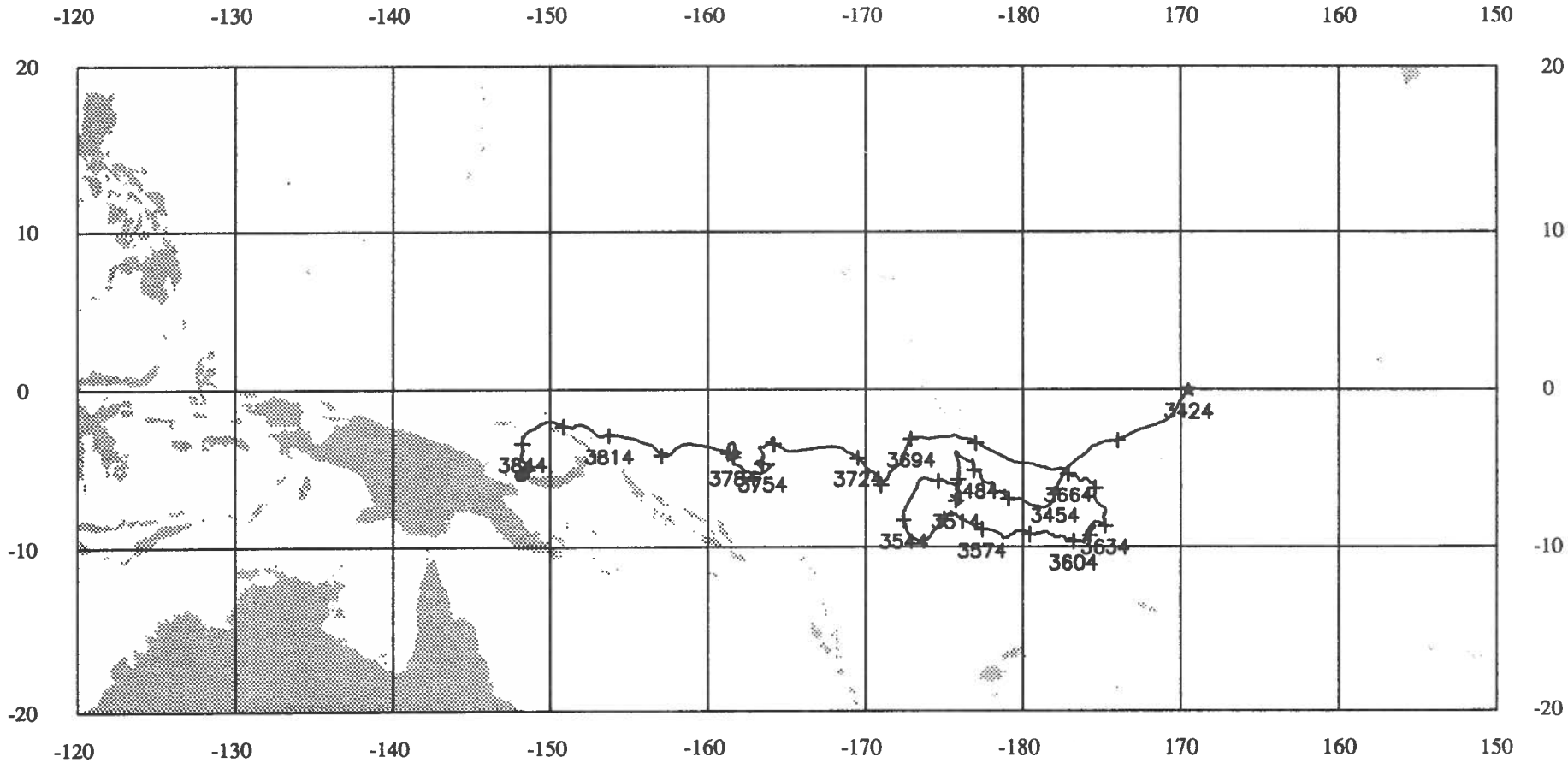

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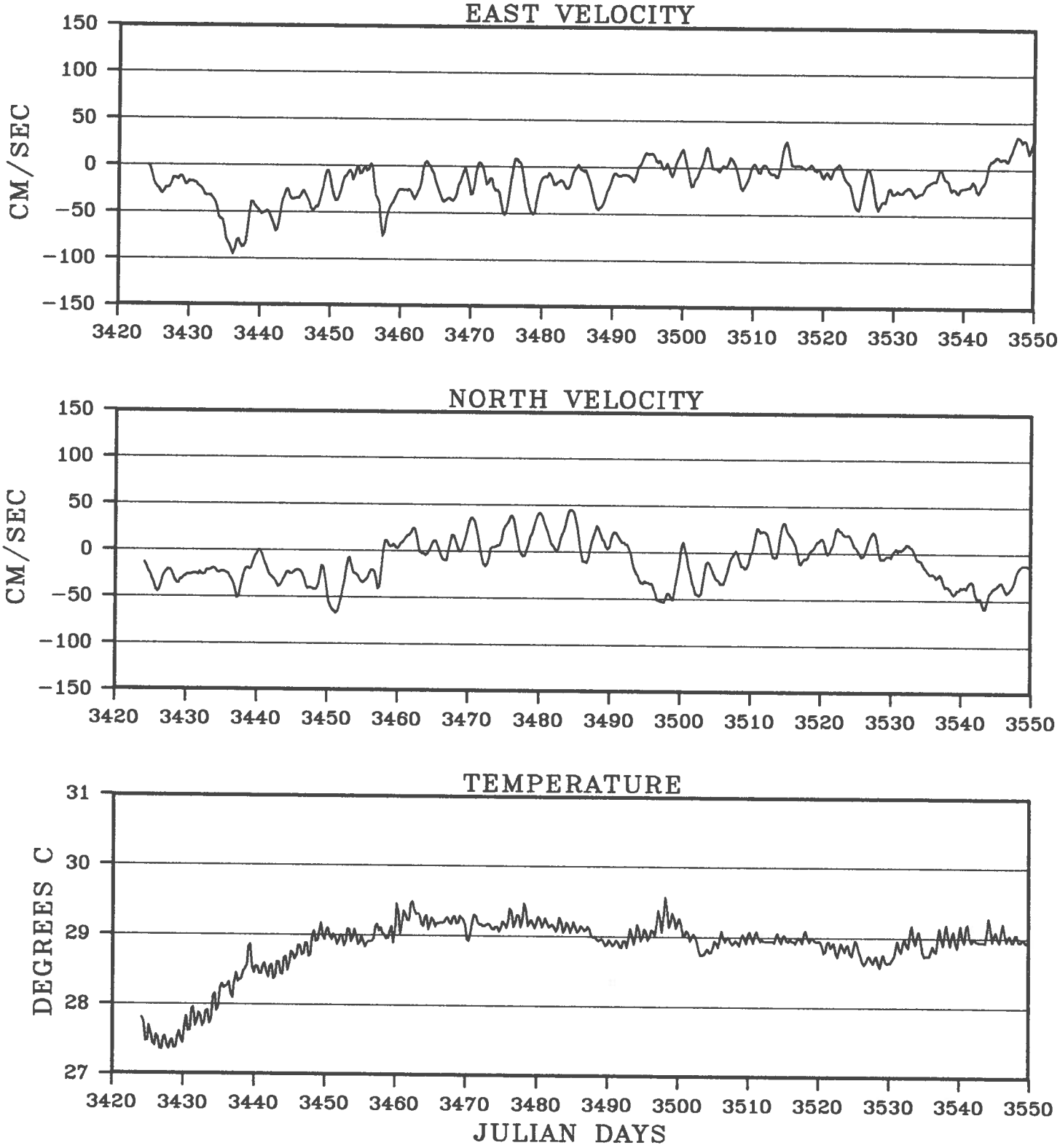
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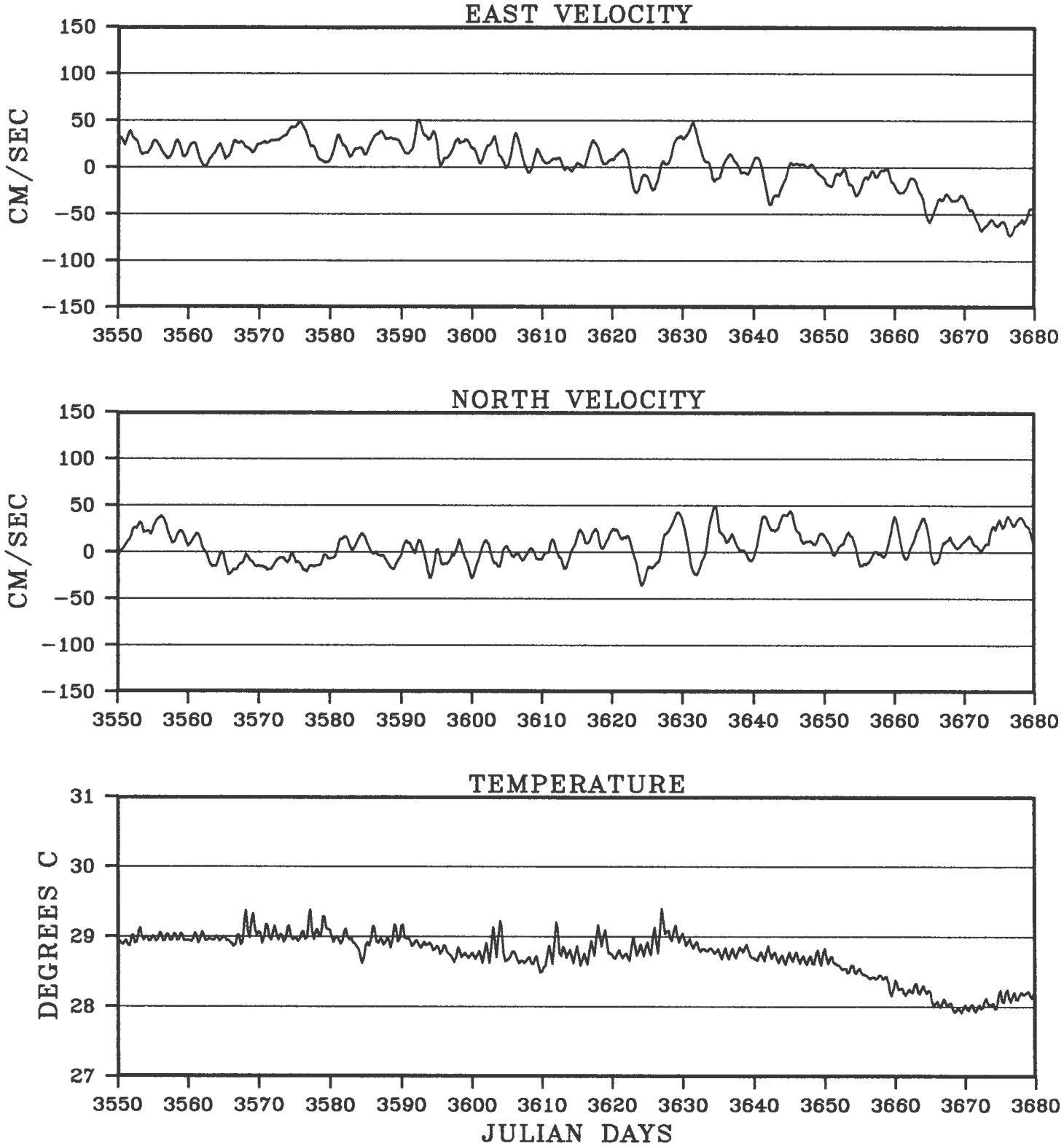
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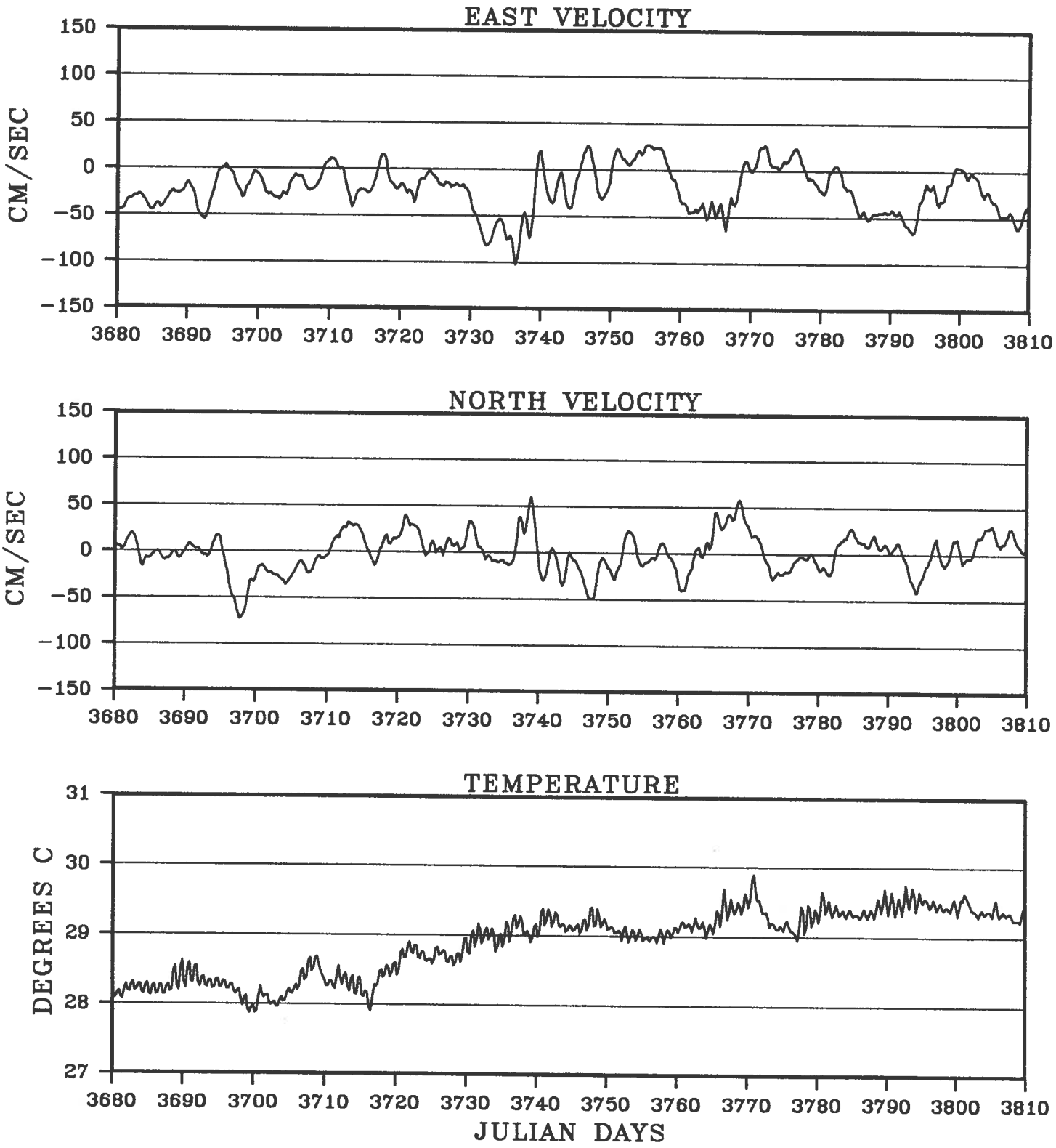
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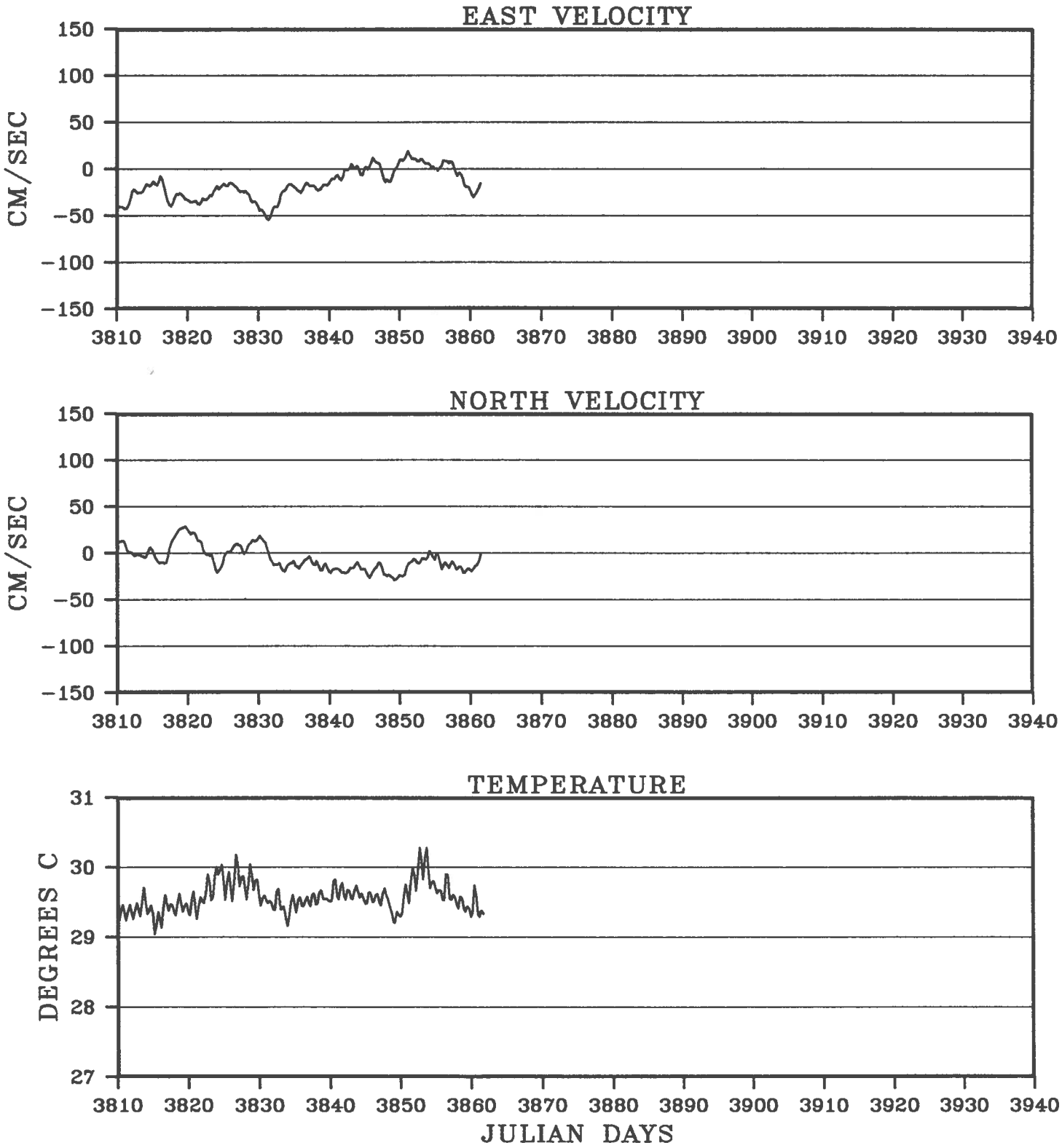
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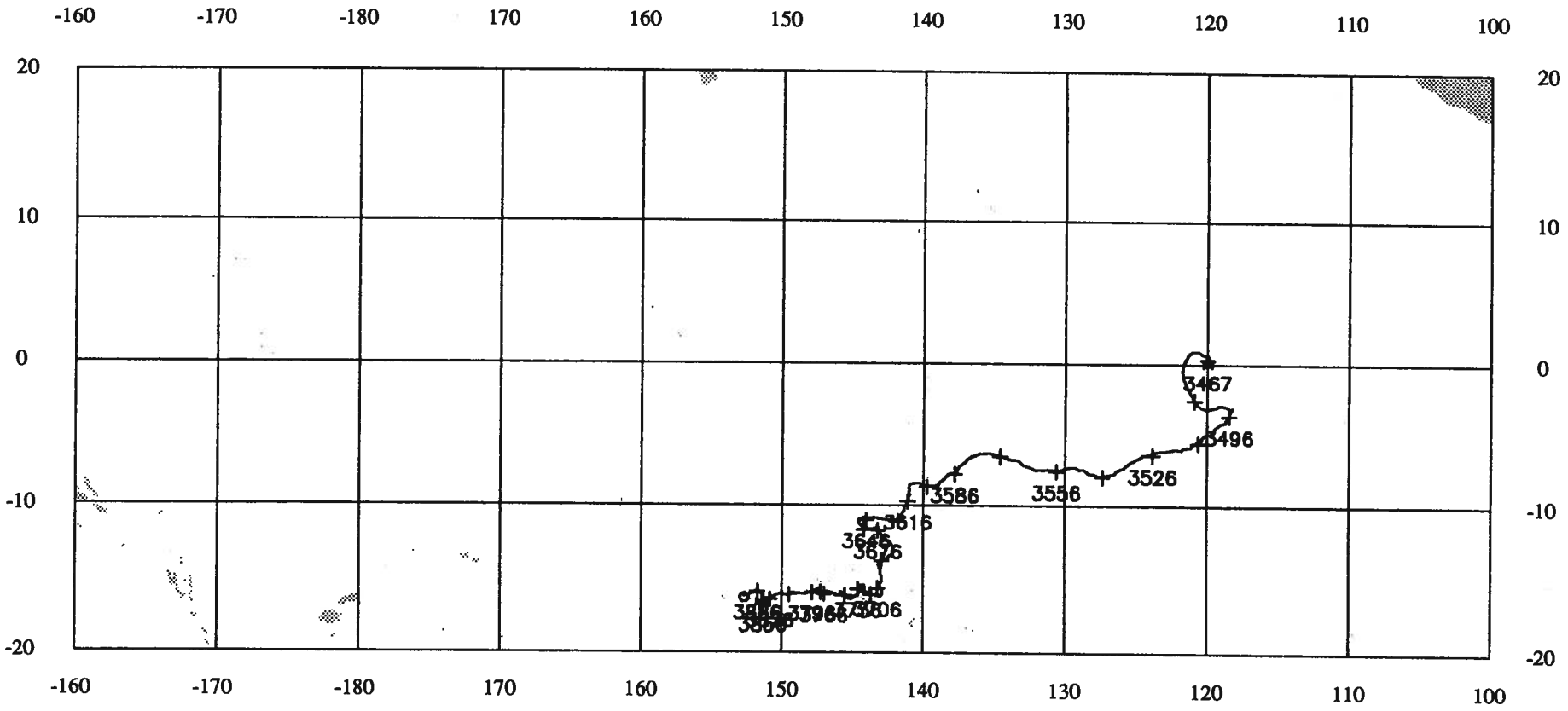
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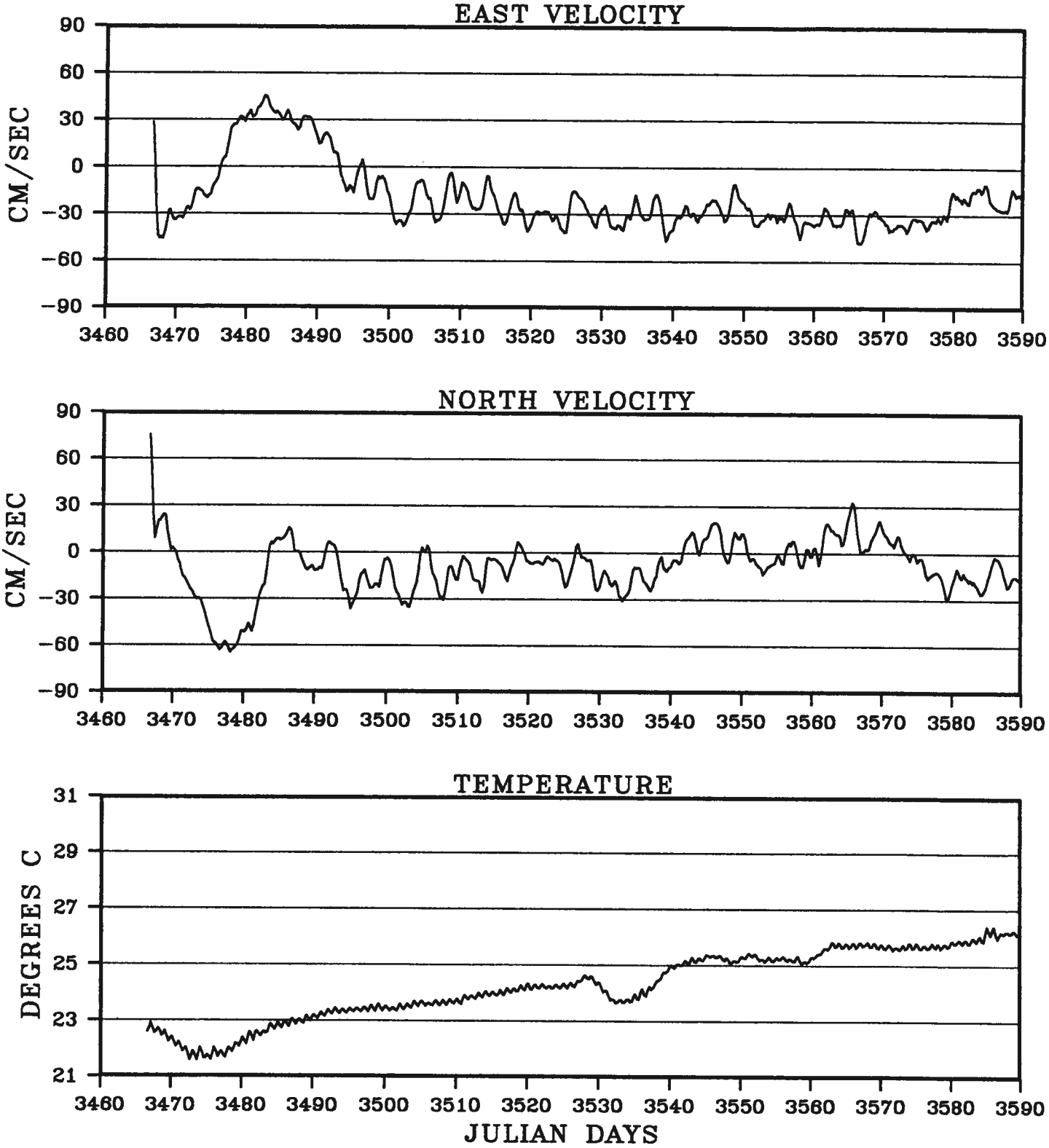
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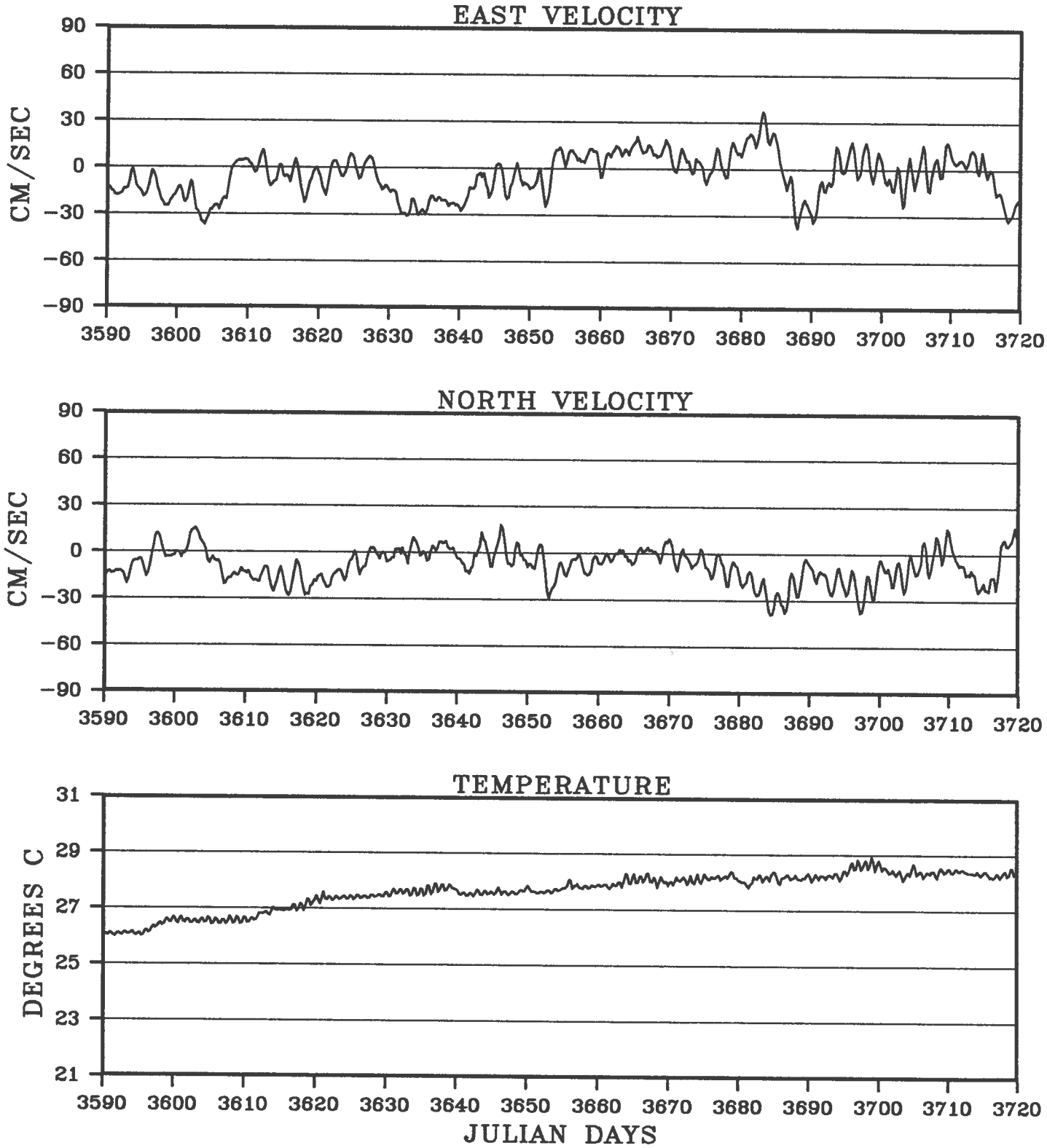
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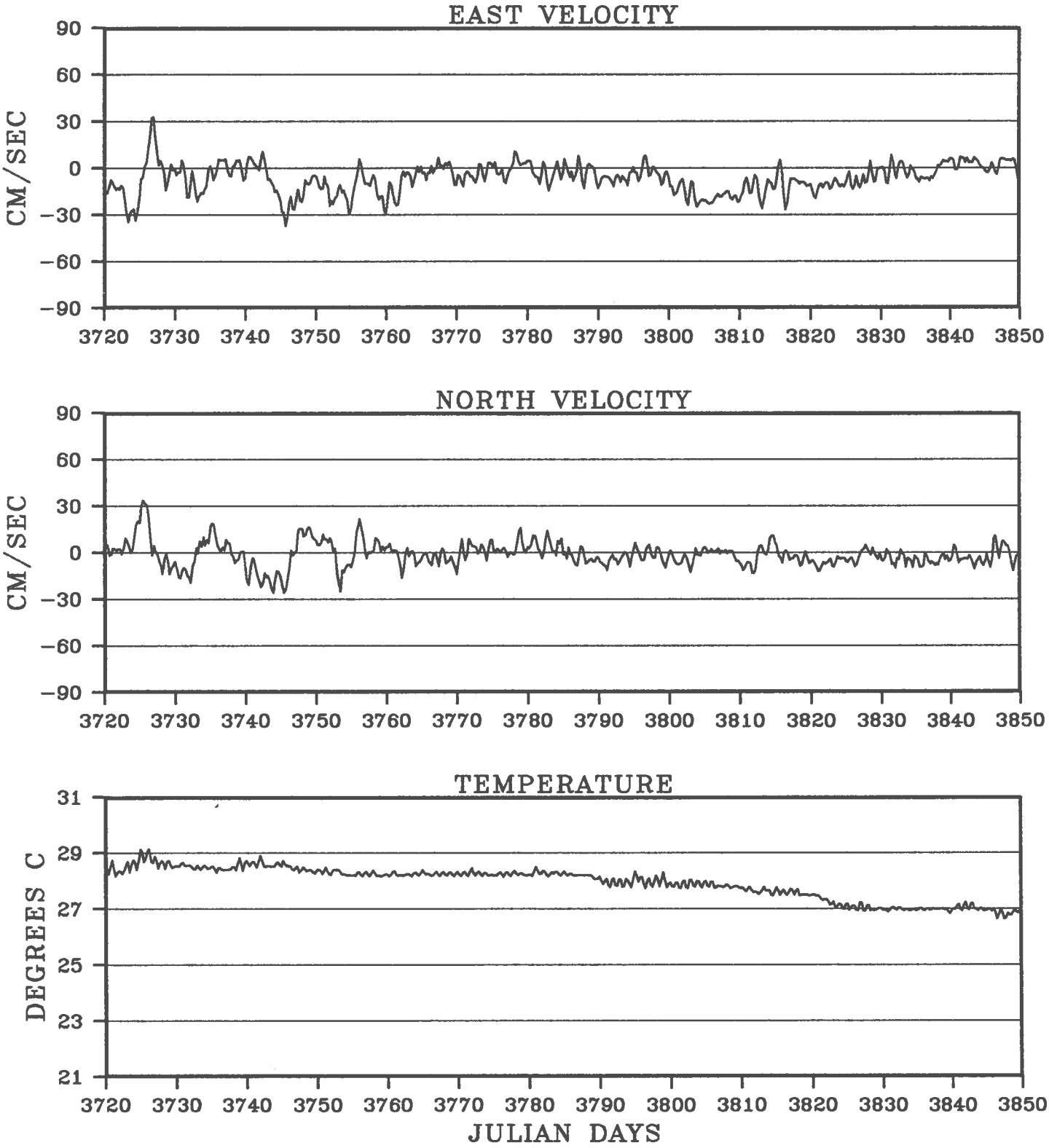
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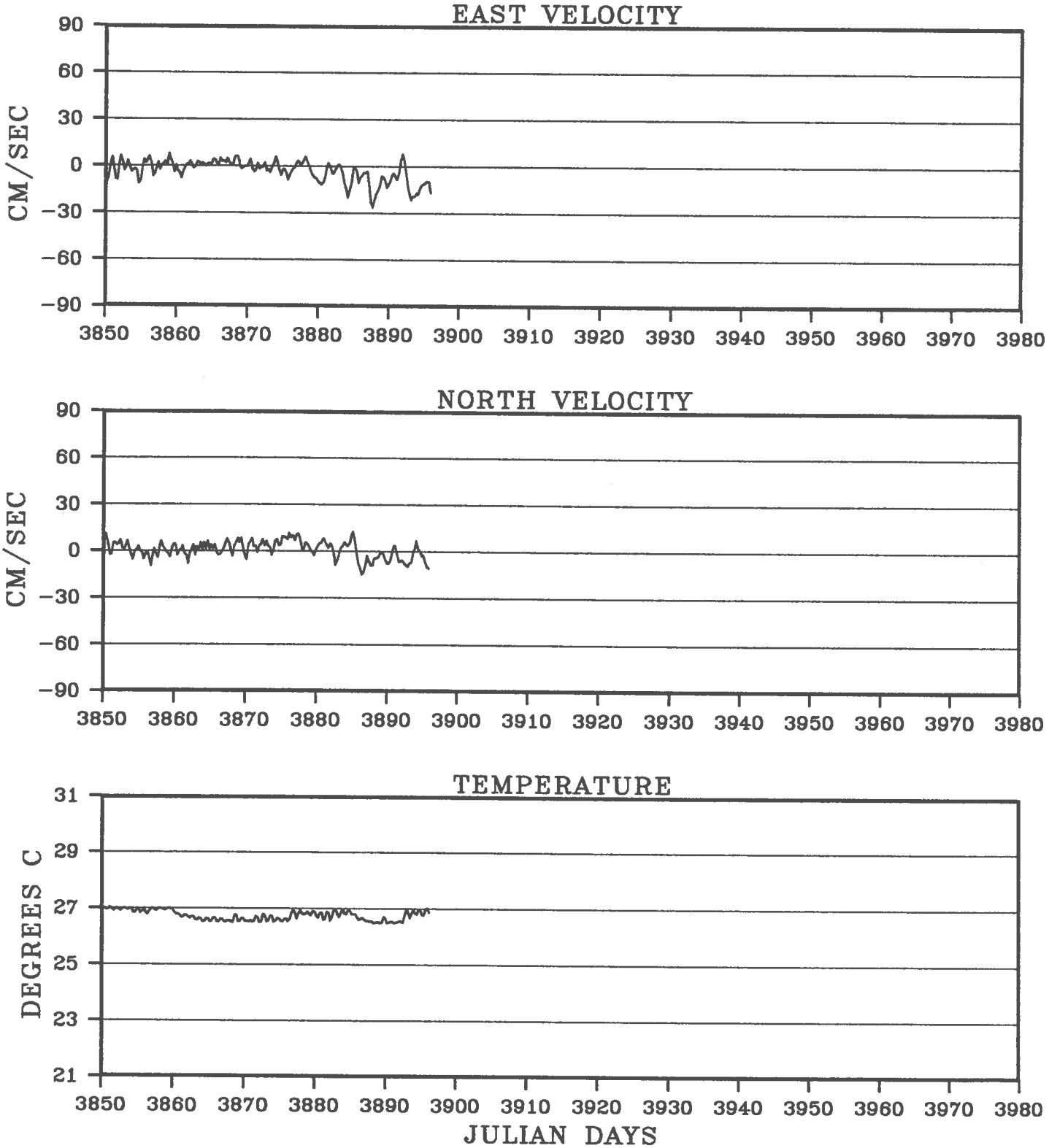
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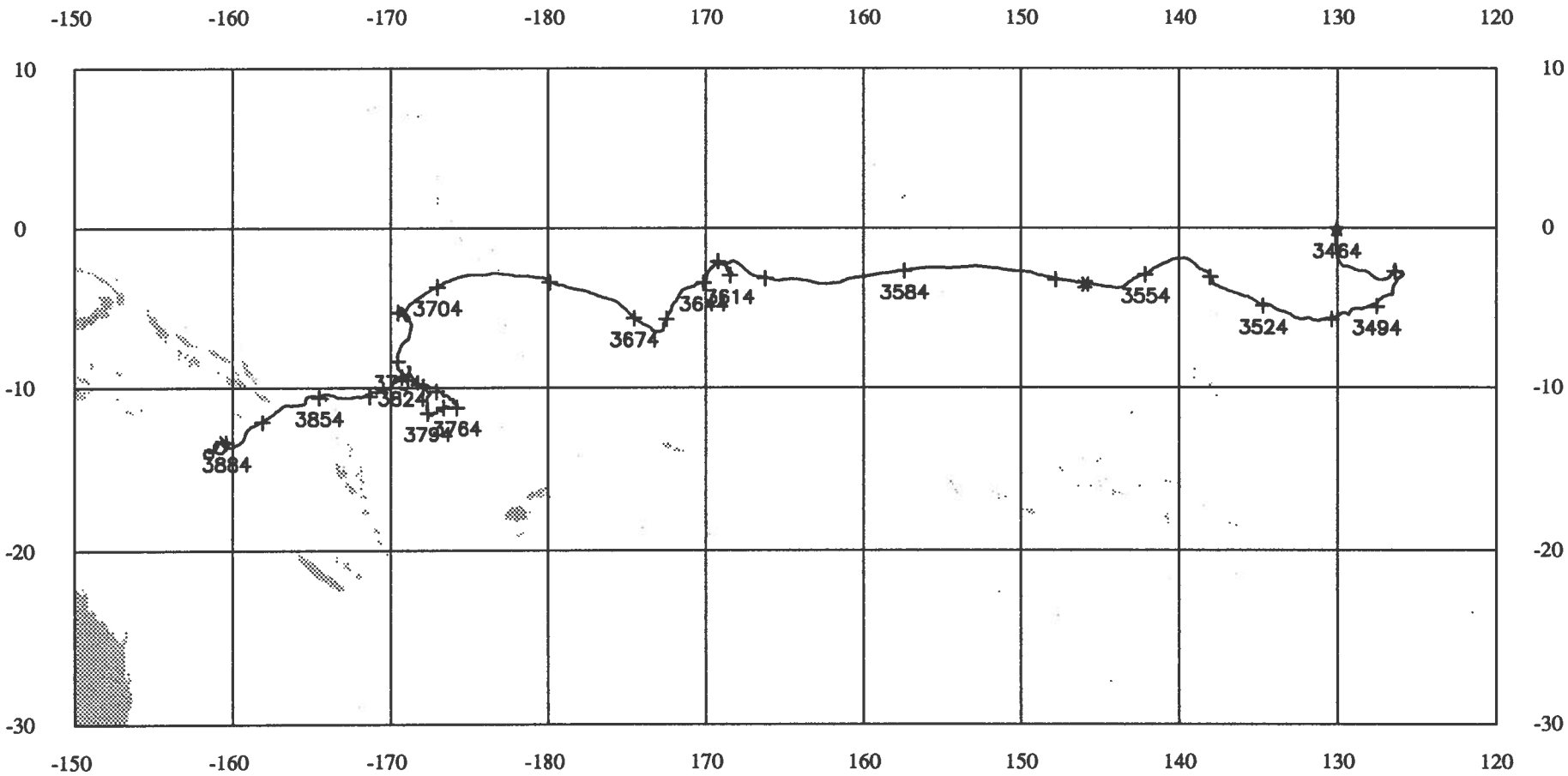
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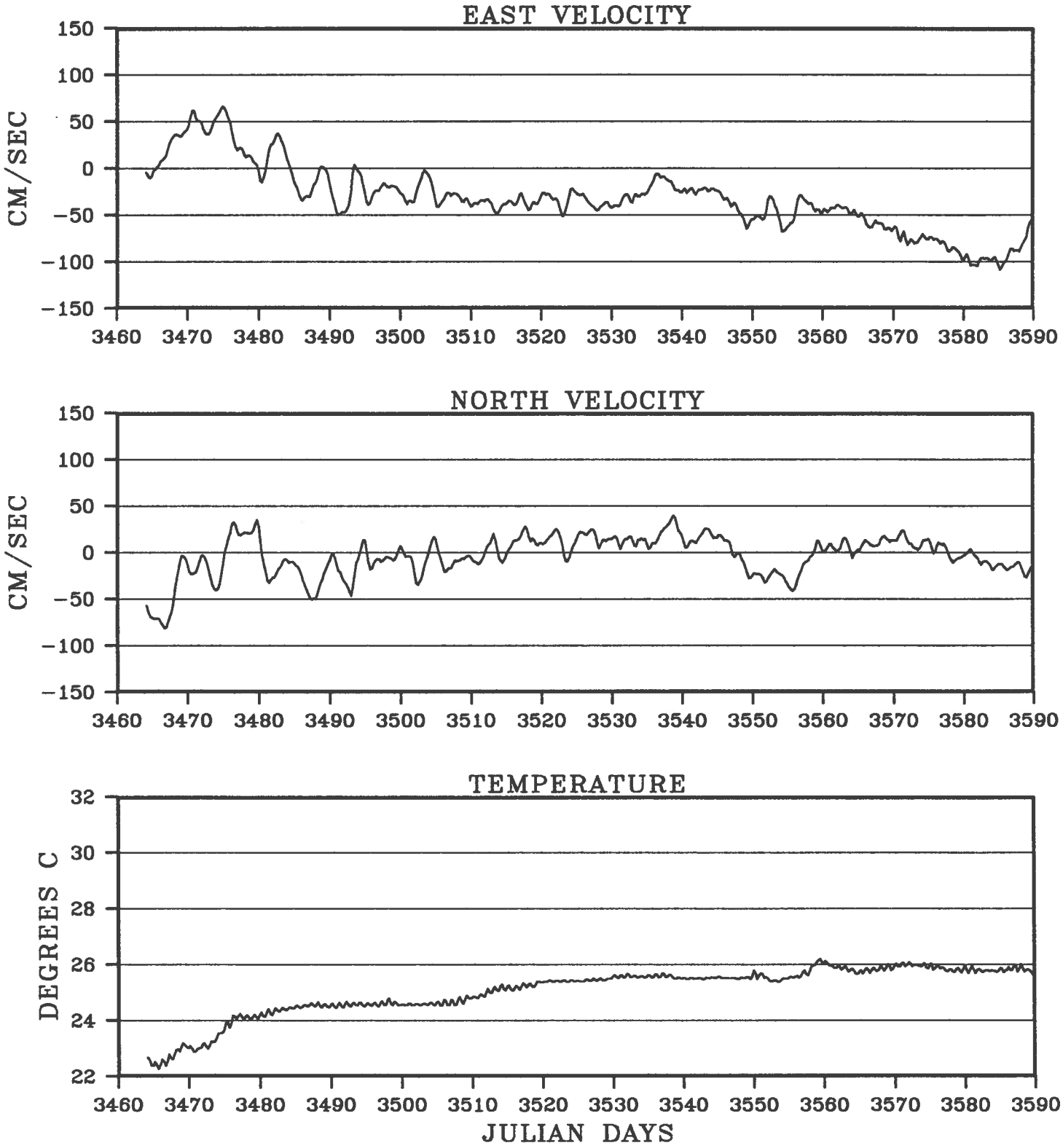
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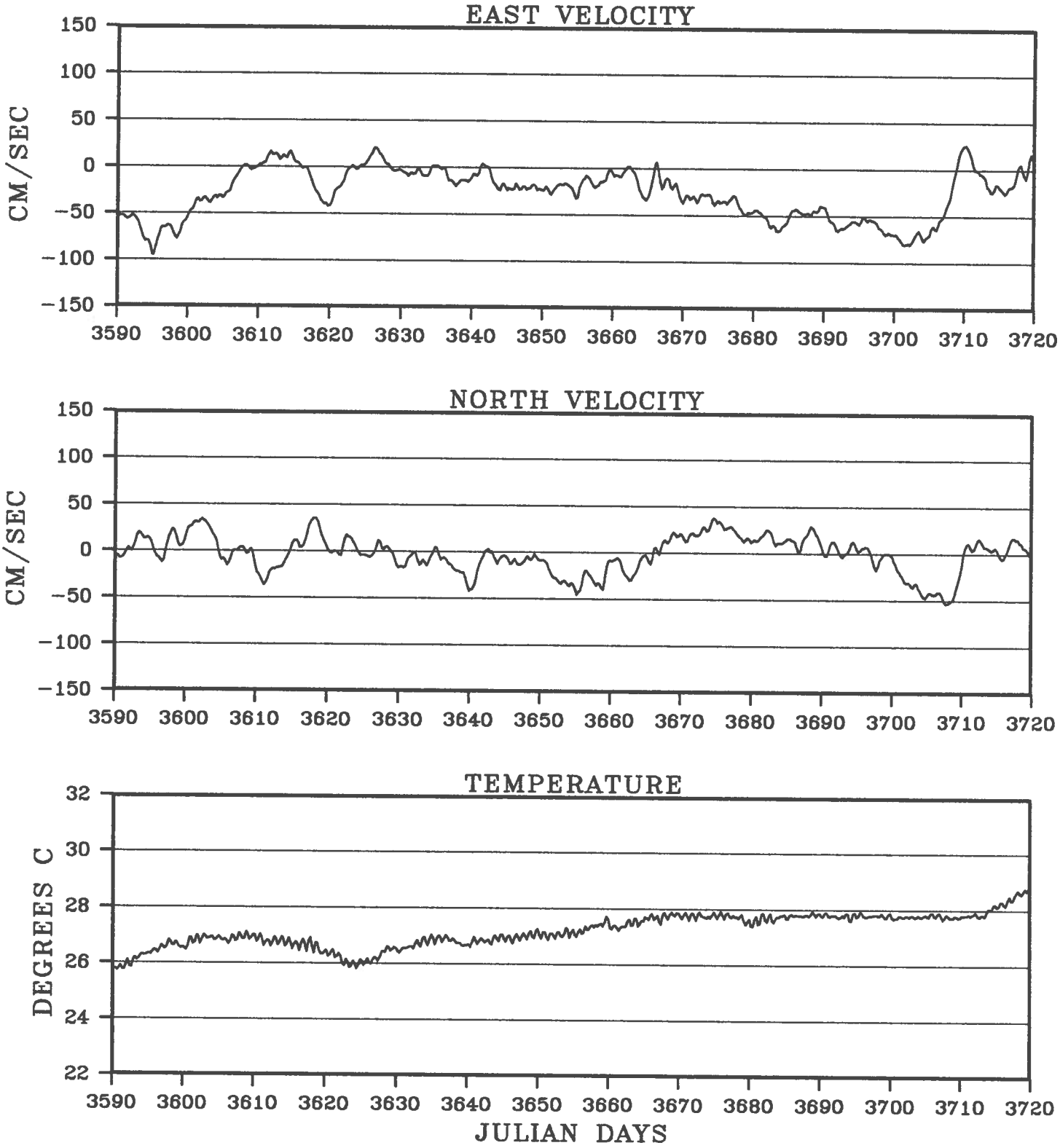
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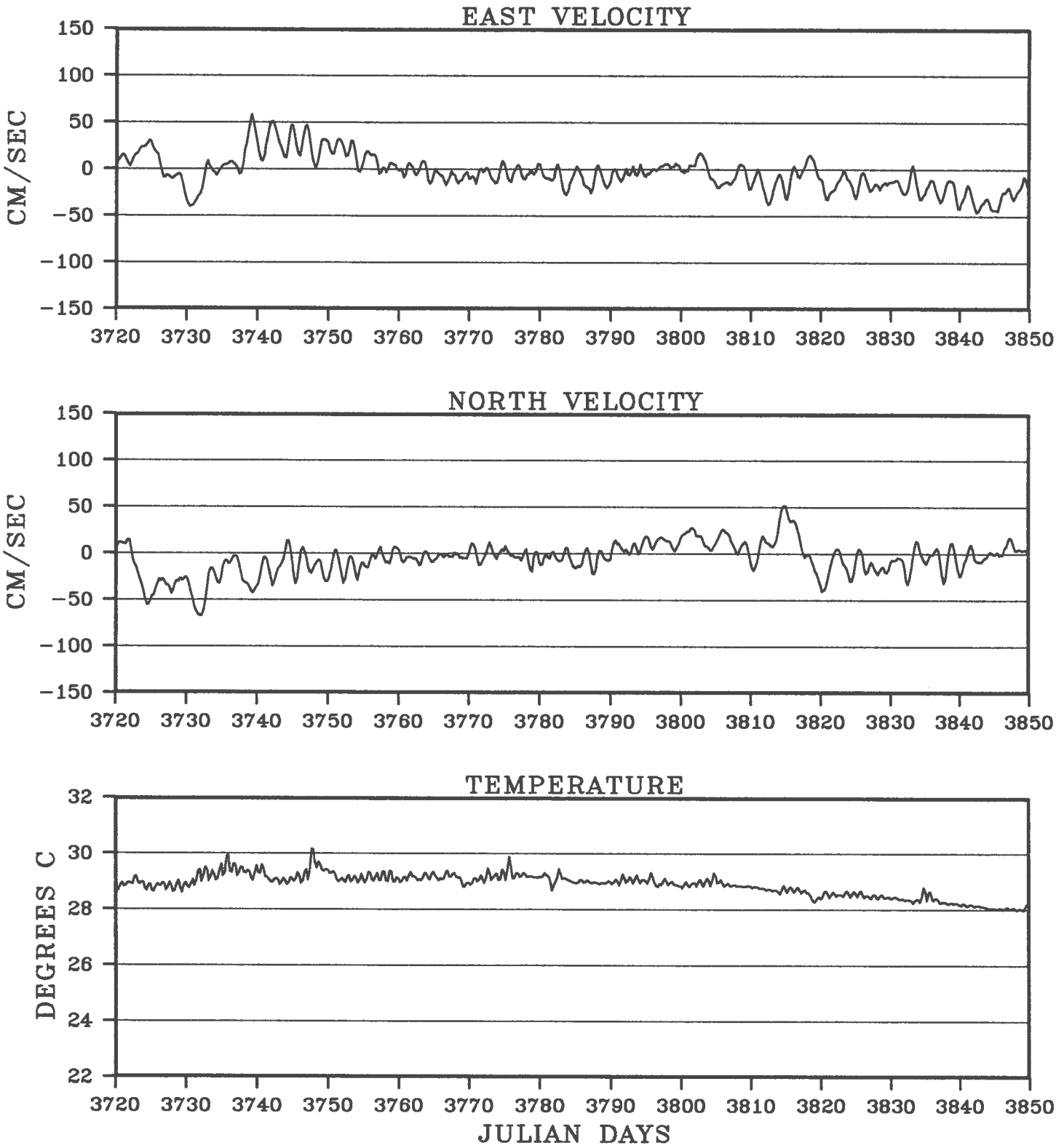
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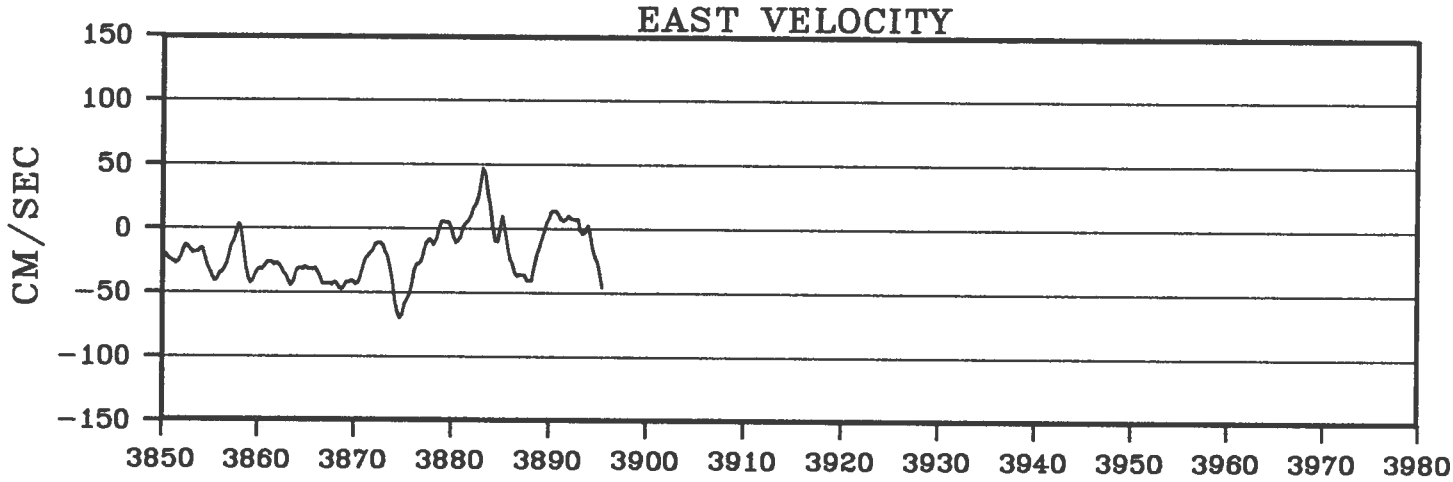
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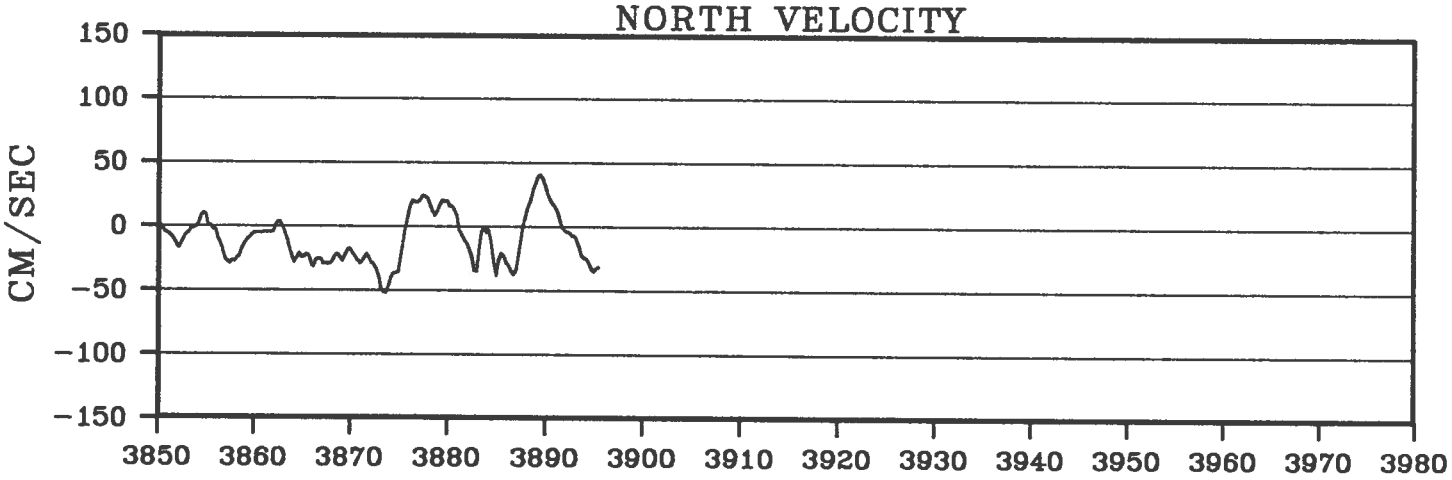
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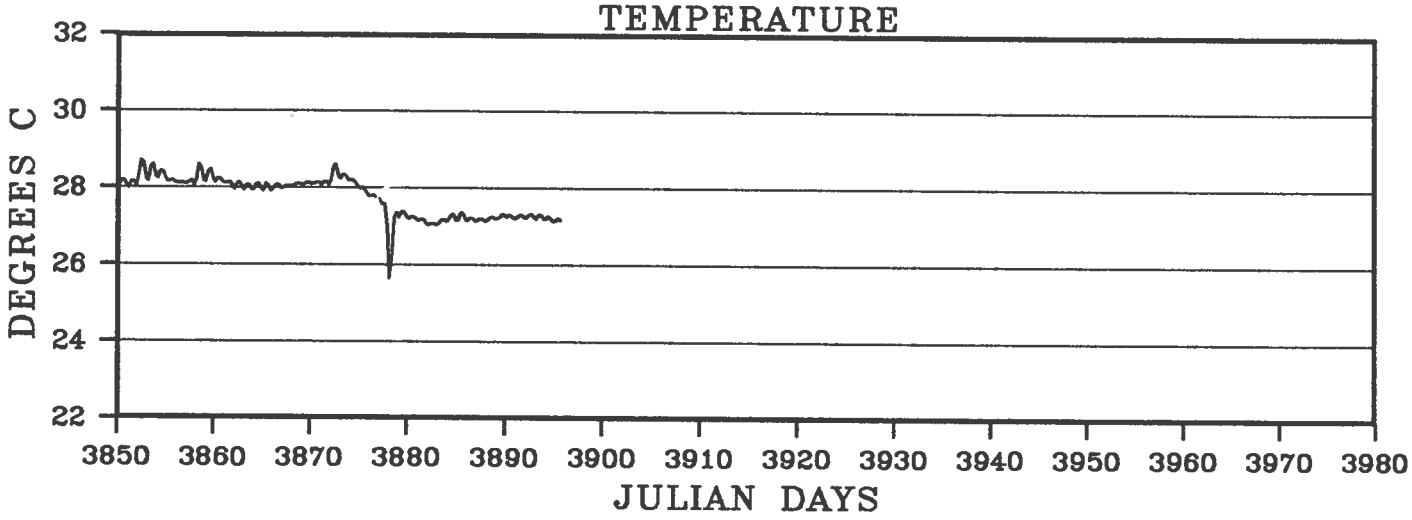
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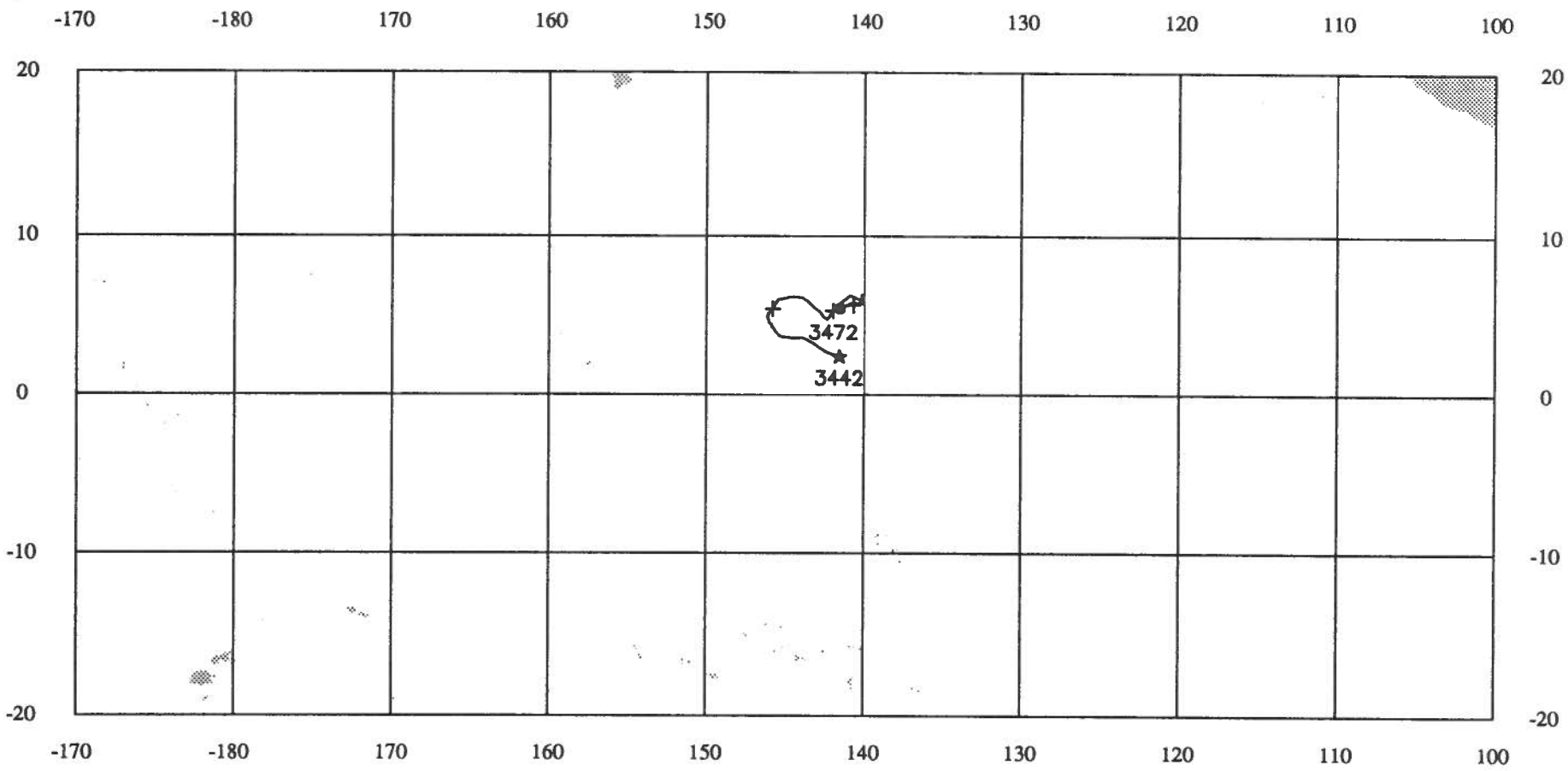
BUOY 10825



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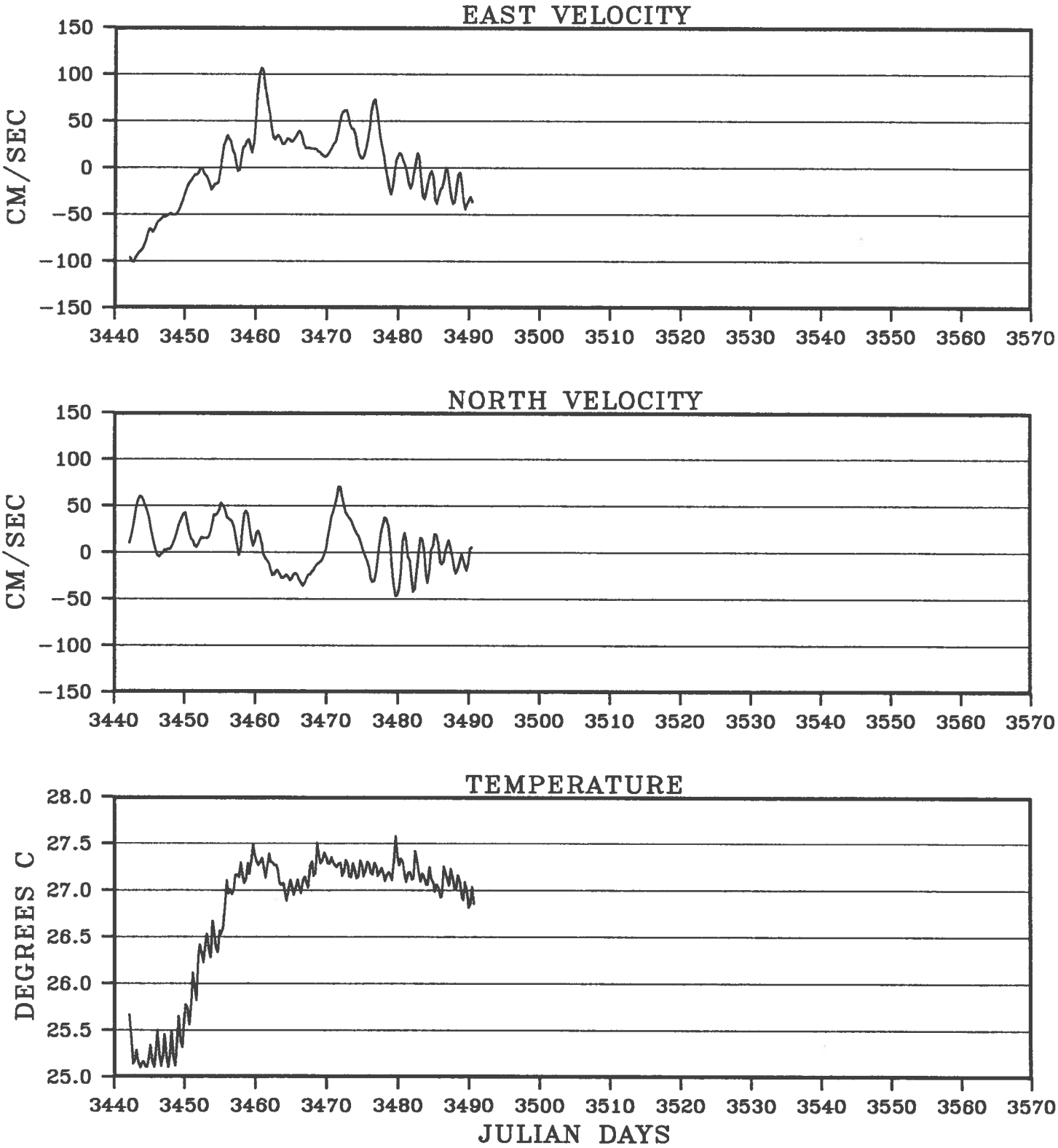

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