

CFSv2_seasonal dataset member setup

The ensemble members are obtained by lagged initializations (`runtimes` hereafter) depending on release date. There are 12 release dates, corresponding to the 15th of each month. The members for the mid-january 1982 correspond to the following `runtime` dates:

Year	Month	Day	Hour
1981	12	12	at 00, 06, 12 and 18 UTC
1981	12	17	at 00, 06, 12 and 18 UTC
1981	12	22	at 00, 06, 12 and 18 UTC
1981	12	27	at 00, 06, 12 and 18 UTC
1982	01	1	at 00, 06, 12 and 18 UTC
1982	01	6	at 00, 06, 12 and 18 UTC

Following this configuration, the `runtimes` for the 12 release dates for each year are indicated in the tables below (the default 15 initializations defining members are indicated in boldface, as taken by the [R package](#) for data access). Note that due to some missing initializations in the original dataset, the configuration of the default members taken through the R interface are not directly the first 15 initializations of the corresponding lead month, but the 15 first **complete** initializations (i.e., available for *all* years in hindcast).

In particular, the missing initialization times (tested for precipitation) are indicated with asterisks in the table (* for 1989 or ** for 1998), and the specific location of the missing runtimes indicated in the rightmost column. As a result, the total number of selectable members varies depending of the lead month chosen (this is indicated by *n* in the tables below). These are selected in R through the `members` argument of the function `loadECOMS` that can take any integer value from 1 to *n* for each particular lead month, corresponding this value to their relative order in the tables below (and excluding the members marked with asterisks).

Mid-January (n = 22 members)				Missing runtimes
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
12 (n = 6)	12	00	at 00, 06, 12 and 18 UTC	2187 (2 Dec 1989 00:00:00 UTC)
12 (n = 6)	17	00	at 00, 06, 12 and 18 UTC	2192 (7 Dec 1989 00:00:00 UTC)
12 (n = 6)	22	00	at 00, 06, 12 and 18 UTC	2197 (13 Dec 1989 00:00:00 UTC)
12 (n = 6)	27	00	at 00, 06, 12 and 18 UTC	2202 (19 Dec 1989 00:00:00 UTC)
01	1	00	at 00, 06, 12 and 18 UTC	2207 (25 Dec 1989 00:00:00 UTC)
01	6	00	at 00, 06, 12 and 18 UTC	2212 (31 Dec 1989 00:00:00 UTC)
Mid-February (n = 24 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
01	11	00	at 00, 06, 12 and 18 UTC	
01	16	00	at 00, 06, 12 and 18 UTC	
01	21	00	at 00, 06, 12 and 18 UTC	
01	26	00	at 00, 06, 12 and 18 UTC	
02	31	00	at 00, 06, 12 and 18 UTC	
Mid-March (n = 26 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
02	10	00	at 00, 06, 12 and 18 UTC	
02	15	00	at 00, 06, 12 and 18 UTC	
02	20	00	at 00, 06, 12 and 18 UTC	
02	25	00	at 00, 06, 12 and 18 UTC	
03	31	00	at 00, 06, 12 and 18 UTC	2218 (26 Mar 1989 00:00:00 UTC)
Mid-April (n = 28 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
03	10	00	at 00, 06, 12 and 18 UTC	
03	15	00	at 00, 06, 12 and 18 UTC	
03	20	00	at 00, 06, 12 and 18 UTC	
03	25	00	at 00, 06, 12 and 18 UTC	
04	30	00	at 00, 06, 12 and 18 UTC	
Mid-May (n = 30 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
04	10	00	at 00, 06, 12 and 18 UTC	
04	15	00	at 00, 06, 12 and 18 UTC	
04	20	00	at 00, 06, 12 and 18 UTC	
04	25	00	at 00, 06, 12 and 18 UTC	
05	31	00	at 00, 06, 12 and 18 UTC	
Mid-June (n = 32 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
05	10	00	at 00, 06, 12 and 18 UTC	
05	15	00	at 00, 06, 12 and 18 UTC	
05	20	00	at 00, 06, 12 and 18 UTC	
05	25	00	at 00, 06, 12 and 18 UTC	
06	30	00	at 00, 06, 12 and 18 UTC	
Mid-July (n = 34 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
06	10	00	at 00, 06, 12 and 18 UTC	
06	15	00	at 00, 06, 12 and 18 UTC	
06	20	00	at 00, 06, 12 and 18 UTC	
06	25	00	at 00, 06, 12 and 18 UTC	
07	31	00	at 00, 06, 12 and 18 UTC	
Mid-August (n = 36 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
07	10	00	at 00, 06, 12 and 18 UTC	
07	15	00	at 00, 06, 12 and 18 UTC	
07	20	00	at 00, 06, 12 and 18 UTC	
07	25	00	at 00, 06, 12 and 18 UTC	
08	31	00	at 00, 06, 12 and 18 UTC	
Mid-September (n = 38 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
08	10	00	at 00, 06, 12 and 18 UTC	
08	15	00	at 00, 06, 12 and 18 UTC	
08	20	00	at 00, 06, 12 and 18 UTC	
08	25	00	at 00, 06, 12 and 18 UTC	
09	30	00	at 00, 06, 12 and 18 UTC	
Mid-October (n = 40 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
09	10	00	at 00, 06, 12 and 18 UTC	
09	15	00	at 00, 06, 12 and 18 UTC	
09	20	00	at 00, 06, 12 and 18 UTC	
09	25	00	at 00, 06, 12 and 18 UTC	
10	31	00	at 00, 06, 12 and 18 UTC	
Mid-November (n = 42 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
10	8	00	at 00, 06, 12 and 18 UTC	
10	13	00	at 00, 06, 12 and 18 UTC	
10	18	00	at 00, 06, 12 and 18 UTC	
10	23	00	at 00, 06, 12 and 18 UTC	
10	28	00	at 00, 06, 12 and 18 UTC	
11	3	00	at 00, 06, 12 and 18 UTC	2224 (29 Nov 1989 00:00:00 UTC)
11	8	00	at 00, 06, 12 and 18 UTC	2229 (5 Dec 1989 00:00:00 UTC)
Mid-December (n = 44 members)				
Month	Day	Hour	Runtime date (YYYY-MM-DD)	Location date (YYYY-MM-DD)
11	12	00	at 00, 06, 12 and 18 UTC	2234 (9 Dec 1989 00:00:00 UTC)
11	17	00	at 00, 06, 12 and 18 UTC	2239 (14 Dec 1989 00:00:00 UTC)
11	22	00	at 00, 06, 12 and 18 UTC	2244 (19 Dec 1989 00:00:00 UTC)
11	27	00	at 00, 06, 12 and 18 UTC	2249 (24 Dec 1989 00:00:00 UTC)
12	31	00	at 00, 06, 12 and 18 UTC	2254 (28 Dec 1989 00:00:00 UTC)