

S.L.C.  
*[Handwritten Signature]*

AMENDMENT NO. \_\_\_\_\_ Calendar No. \_\_\_\_\_

Purpose: To require the conduct of winter season reconnaissance of atmospheric rivers in the western United States.

IN THE SENATE OF THE UNITED STATES—118th Cong., 1st Sess.

**S. 2226**

**AMENDMENT N<sup>o</sup> 0910**

By Padilla

To: \_\_\_\_\_

S. 2226

5

**Page(s)**

GPO: 2022 50-123 (mac)

24 for military  
e, for military  
of the Depart-  
ary personnel  
other purposes.

\_\_\_\_\_ and

printed

PADILLA (for

himself and Mr. CORNYN)

Viz:

- 1 At the appropriate place, insert the following:
- 2 **SEC. \_\_\_\_\_ . CONDUCT OF WINTER SEASON RECONNAIS-**
- 3 **SANCE OF ATMOSPHERIC RIVERS IN THE**
- 4 **WESTERN UNITED STATES.**

5 (a) CONDUCT OF RECONNAISSANCE.—

- 6 (1) IN GENERAL.—Subject to the availability of
- 7 appropriations, the 53rd Weather Reconnaissance
- 8 Squadron of the Air Force Reserve Command and
- 9 the Administrator of the National Oceanic and At-

1       mospheric Administration may use aircraft, per-  
2       sonnel, and equipment necessary to meet the mission  
3       requirements of the 53rd Weather Reconnaissance  
4       Squadron of the Air Force Reserve Command and  
5       the National Oceanic and Atmospheric Administra-  
6       tion if those aircraft, personnel, and equipment are  
7       not otherwise needed for hurricane monitoring and  
8       response.

9           (2) ACTIVITIES.—In carrying out paragraph  
10       (1), the 53rd Weather Reconnaissance Squadron of  
11       the Air Force Reserve Command, in consultation  
12       with the Administrator of the National Oceanic and  
13       Atmospheric Administration and appropriate line of-  
14       fices of the National Oceanic and Atmospheric Ad-  
15       ministration, may—

16           (A) improve the accuracy and timeliness of  
17       observations to support the forecast and warn-  
18       ing services of the National Weather Service for  
19       the coasts of the United States;

20           (B) collect data in data-sparse regions  
21       where conventional, upper-air observations are  
22       lacking;

23           (C) support water management decisions  
24       and flood forecasting through the execution of  
25       targeted airborne dropsonde, buoys, autono-

1           mous platform observations, satellite observa-  
2           tions, remote sensing observations, and other  
3           observation platforms as appropriate, including  
4           enhanced assimilation of the data from those  
5           observations over the eastern, central, and west-  
6           ern north Pacific Ocean, the Gulf of Mexico,  
7           and the western Atlantic Ocean to improve fore-  
8           casts of large storms for civil authorities and  
9           military decision makers;

10           (D) participate in the research and oper-  
11           ations partnership that guides flight planning  
12           and uses research methods to improve and ex-  
13           pand the capabilities and effectiveness of weath-  
14           er reconnaissance over time; and

15           (E) undertake such other additional activi-  
16           ties as the Administrator of the National Oce-  
17           anic and Atmospheric Administration, in col-  
18           laboration with the 53rd Weather Reconnaissance  
19           Squadron, considers appropriate to fur-  
20           ther prediction of dangerous weather events.

21           (b) REPORTS.—

22           (1) AIR FORCE.—

23           (A) IN GENERAL.—Not later than 90 days  
24           after the date of the enactment of this Act, the  
25           Secretary of the Air Force, in consultation with

1 the Administrator of the National Oceanic and  
2 Atmospheric Administration, shall submit to the  
3 appropriate committees of Congress a com-  
4 prehensive report on the resources necessary for  
5 the 53rd Weather Reconnaissance Squadron of  
6 the Air Force Reserve Command to continue to  
7 support, through December 31, 2035—

8 (i) the National Hurricane Operations  
9 Plan;

10 (ii) the National Winter Season Oper-  
11 ations Plan; and

12 (iii) any other operational require-  
13 ments relating to weather reconnaissance.

14 (B) APPROPRIATE COMMITTEES OF CON-  
15 GRESS.—In this paragraph, the term “appro-  
16 priate committees of Congress” means—

17 (i) the Committee on Armed Services  
18 of the Senate;

19 (ii) the Subcommittee on Defense of  
20 the Committee on Appropriations of the  
21 Senate;

22 (iii) the Committee on Commerce,  
23 Science, and Transportation of the Senate;

1 (iv) the Committee on Science, Space,  
2 and Technology of the House of Represent-  
3 atives;

4 (v) the Committee on Armed Services  
5 of the House of Representatives; and

6 (vi) the Subcommittee on Defense of  
7 the Committee on Appropriations of the  
8 House of Representatives.

9 (2) COMMERCE.—Not later than 90 days after  
10 the date of the enactment of this Act, the Secretary  
11 of Commerce shall submit to the Committee on  
12 Commerce, Science, and Transportation of the Sen-  
13 ate and the Committee on Science, Space, and Tech-  
14 nology of the House of Representatives a com-  
15 prehensive report on the resources necessary for the  
16 National Oceanic and Atmospheric Administration  
17 to continue to support, through December 31,  
18 2035—

19 (A) the National Hurricane Operations  
20 Plan;

21 (B) the National Winter Season Oper-  
22 ations Plan; and

23 (C) any other operational requirements re-  
24 lating to weather reconnaissance.