1. How many airplanes have listed speeds? What is the minimum listed speed and the maximum listed speed?

* 23 planes have listed speeds.
* The minimum listed speed is 90.
* The maximum listed speed is 432.

1. What is the total distance flown by all of the planes in January 2013? What is the total distance flown by all of the planes in January 2013 where the tailnum is missing?

* The total distance flown by all planes in January 2013 is '27188805'.
* There are no planes with a talinum of ‘0’ or ‘null’.

1. What is the total distance flown for all planes on July 5, 2013 grouped by aircraft manufacturer? Write this statement first using an INNER JOIN, then using a LEFT OUTER JOIN. How do your results compare?

**INNER JOIN RESULTS:**

'195089', 'AIRBUS'

'78786', 'AIRBUS INDUSTRIE'

'335028', 'BOEING'

'77909', 'EMBRAER'

'1142', 'CANADAIR'

'31160', 'BOMBARDIER INC'

'7486', 'MCDONNELL DOUGLAS'

'2199', 'AMERICAN AIRCRAFT INC'

'15690', 'MCDONNELL DOUGLAS AIRCRAFT CO'

'4767', 'MCDONNELL DOUGLAS CORPORATION'

'2898', 'CESSNA'

'1157', 'GULFSTREAM AEROSPACE'

'1089', 'DOUGLAS'

'937', 'BARKER JACK L'

**LEFT OUTER JOIN RESULTS**

'195089', 'AIRBUS'  
'78786', 'AIRBUS INDUSTRIE'  
'335028', 'BOEING'  
'127671', NULL  
'77909', 'EMBRAER'  
'1142', 'CANADAIR'  
'31160', 'BOMBARDIER INC'  
'7486', 'MCDONNELL DOUGLAS'  
'2199', 'AMERICAN AIRCRAFT INC'  
'15690', 'MCDONNELL DOUGLAS AIRCRAFT CO'  
'4767', 'MCDONNELL DOUGLAS CORPORATION'  
'2898', 'CESSNA'  
'1157', 'GULFSTREAM AEROSPACE'  
'1089', 'DOUGLAS'  
'937', 'BARKER JACK L'

1. What is the hottest weather each model plane has flown in?

Unfortunately the answer is boring as all model planes have flown in 100.04 degree weather.