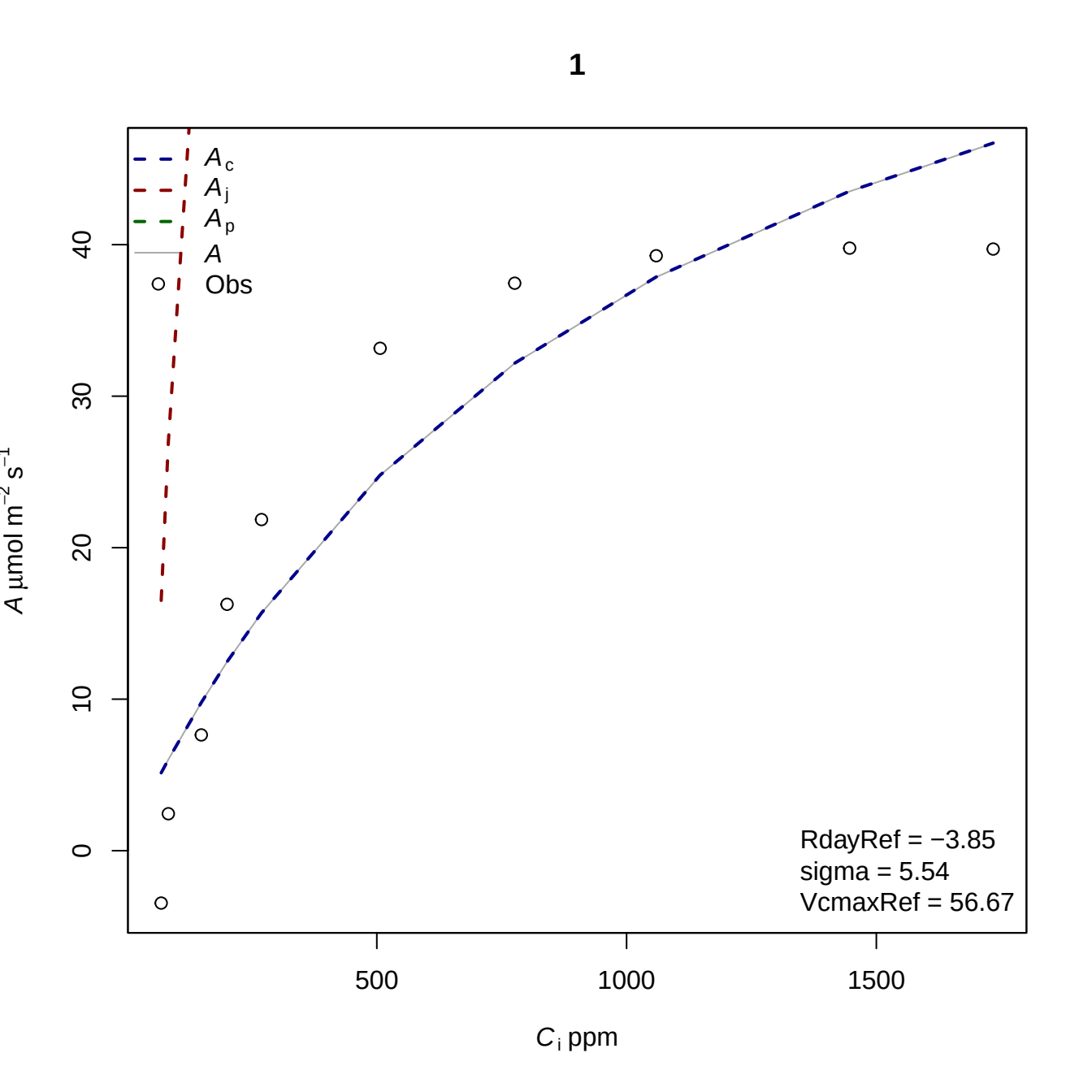
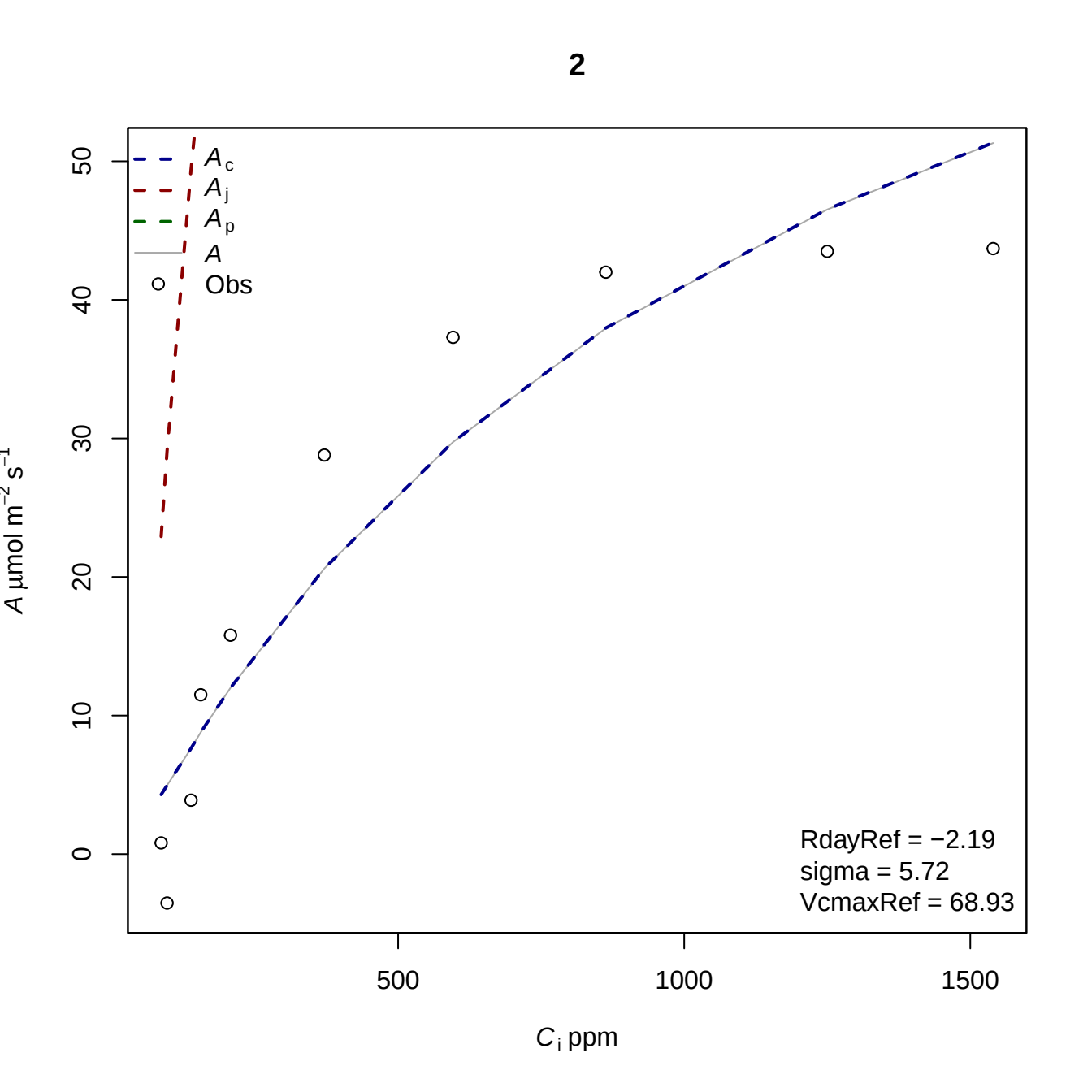
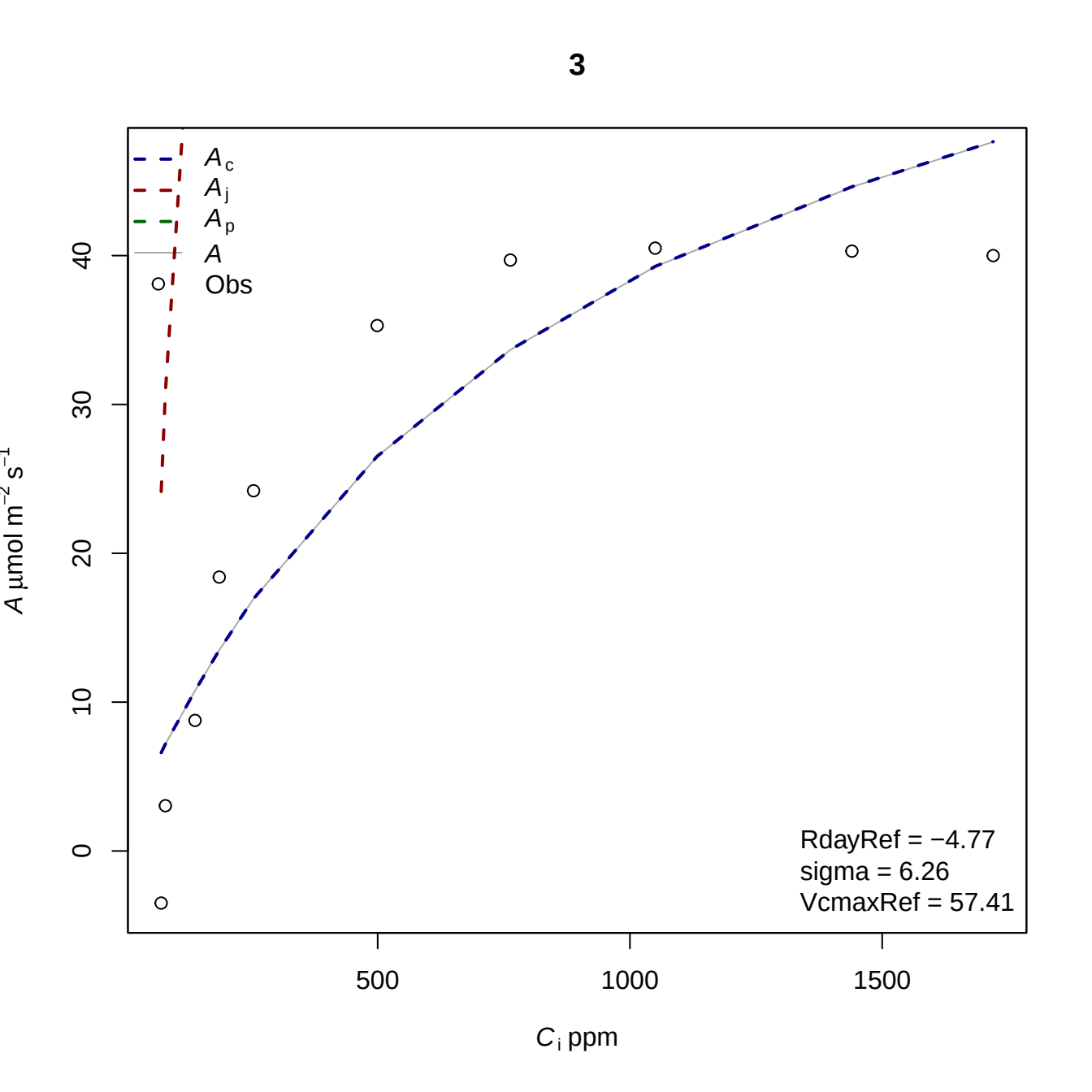
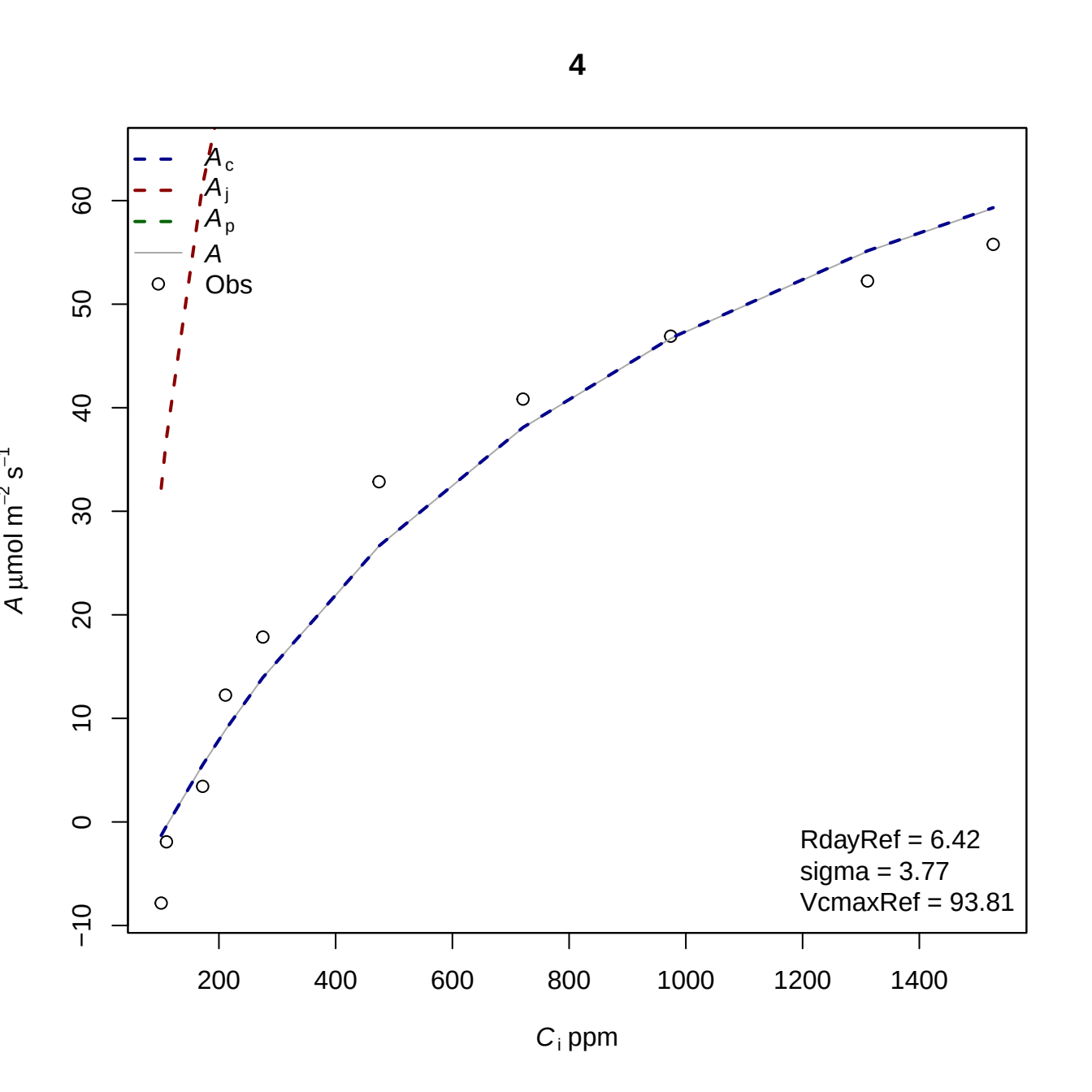
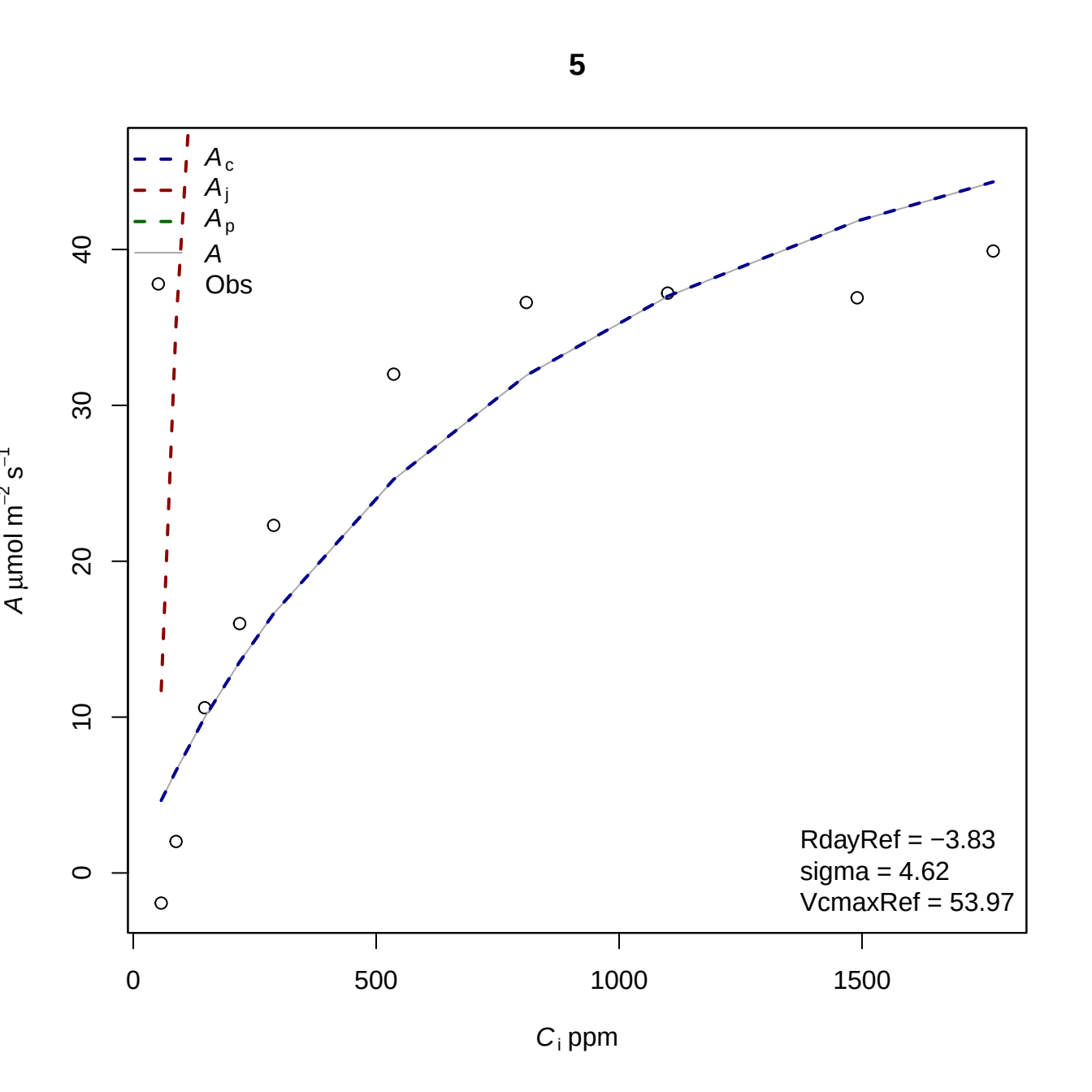
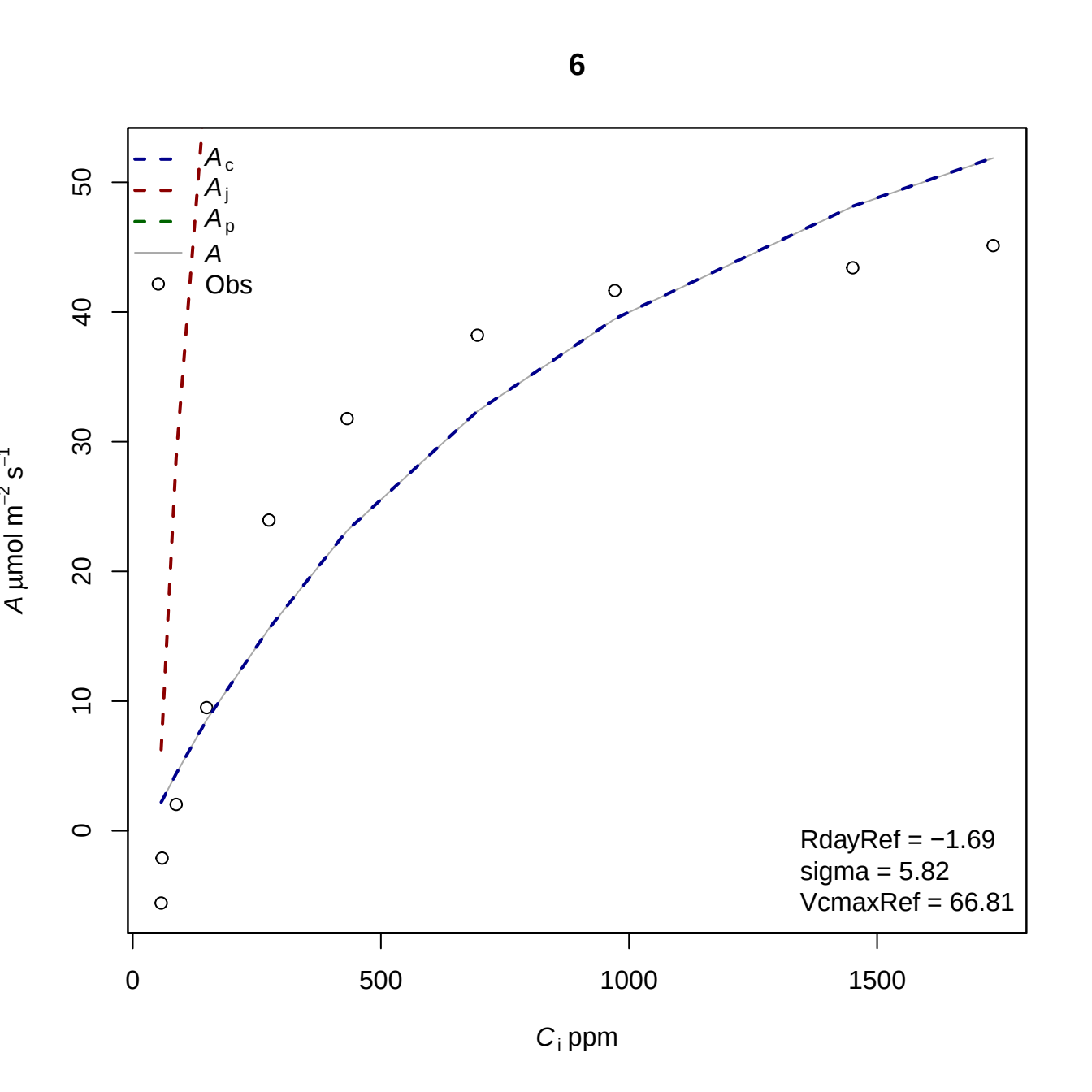

1
A_c
A_j
A_p
A
Obs
RdayRef = −3.85
sigma = 5.54
VcmaxRef = 56.67
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

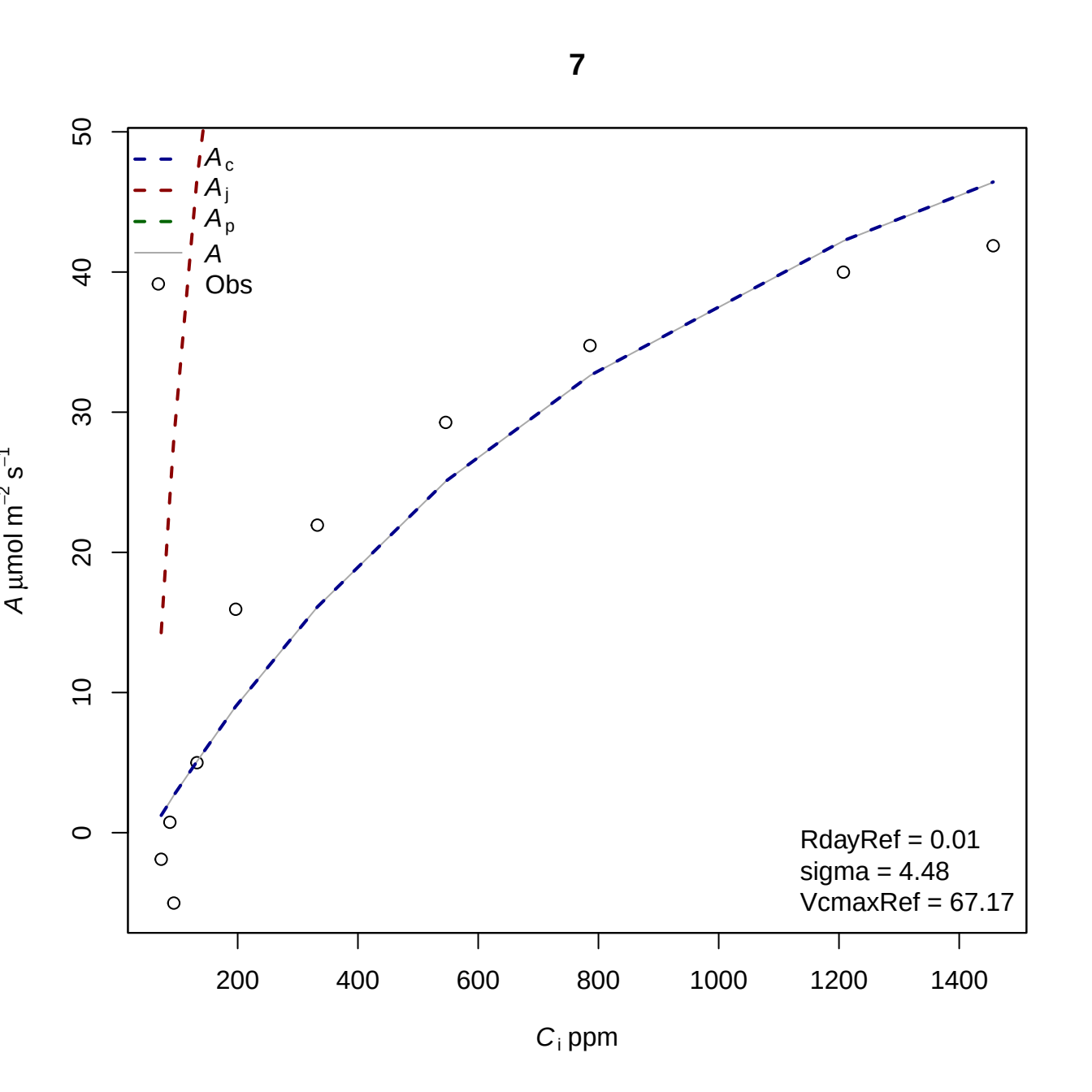

2
A_c
A_j
A_p
A
Obs
RdayRef = −2.19
sigma = 5.72
VcmaxRef = 68.93
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

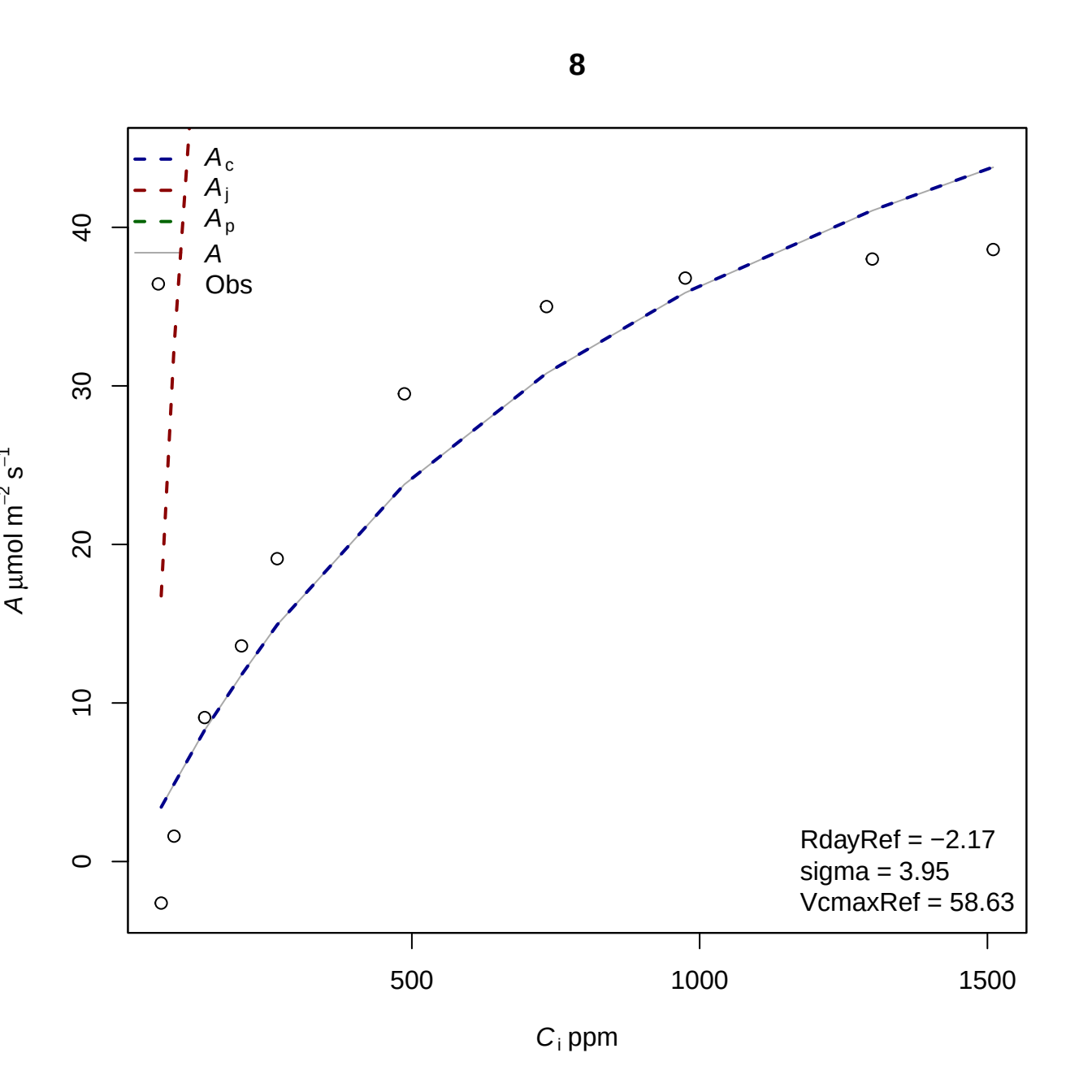

3
A_c
A_j
A_p
A
Obs
RdayRef = −4.77
sigma = 6.26
VcmaxRef = 57.41
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

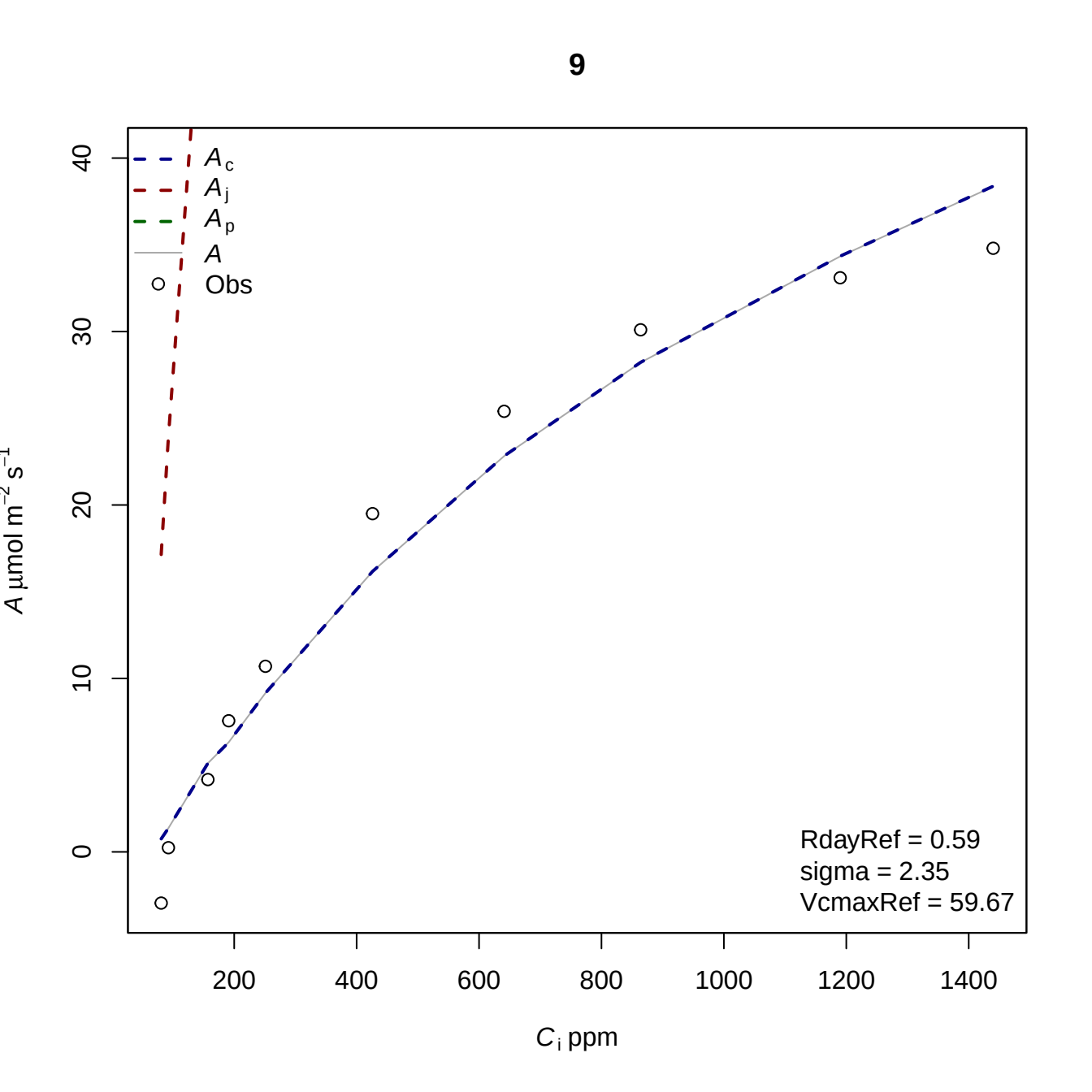

4
A_c
A_j
A_p
A
Obs
RdayRef = 6.42
sigma = 3.77
VcmaxRef = 93.81
A µmol m^{-2} s^{-1}
C_i ppm
−10
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

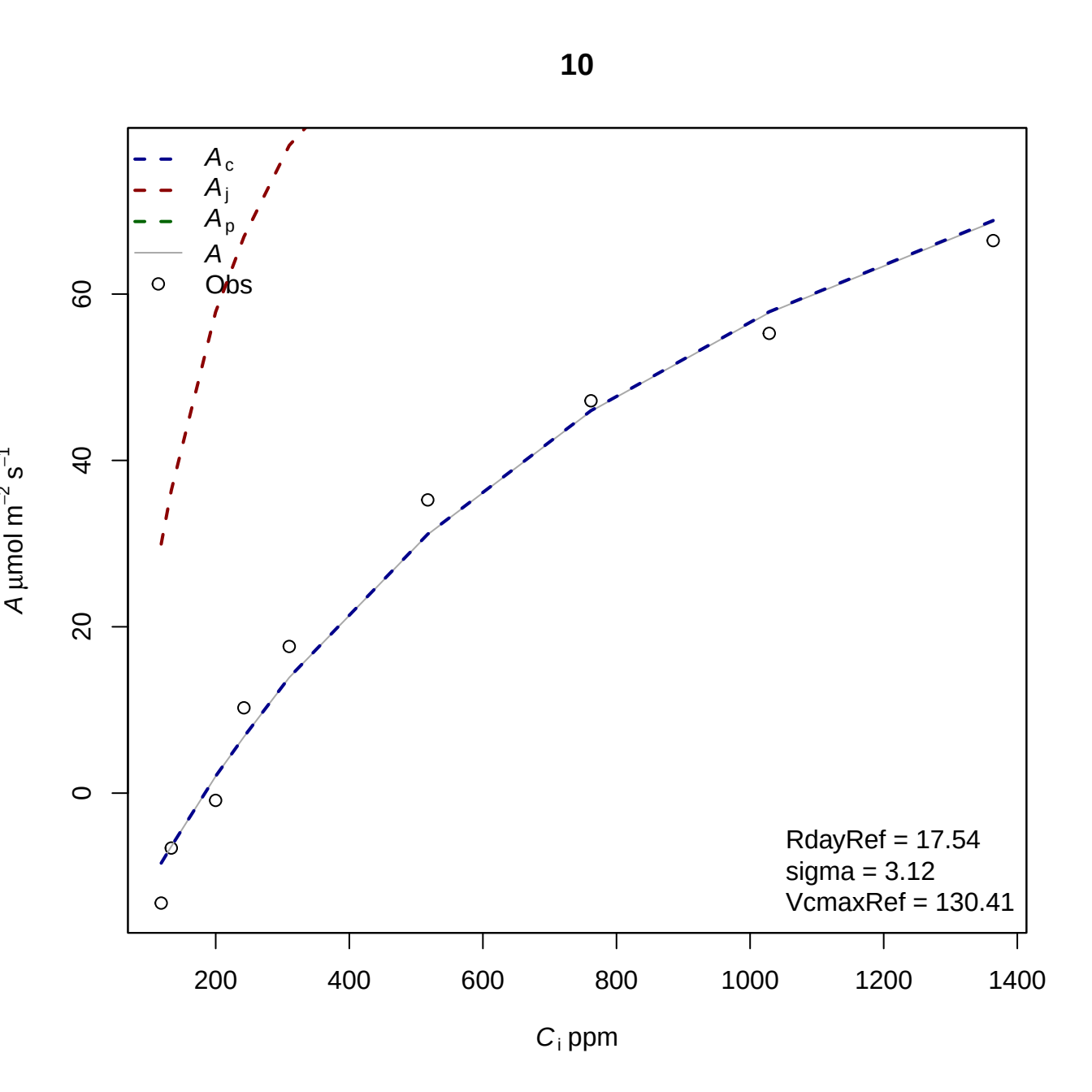

5
A_c
A_j
A_p
A
Obs
RdayRef = −3.83
sigma = 4.62
VcmaxRef = 53.97
0
10
20
30
40
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

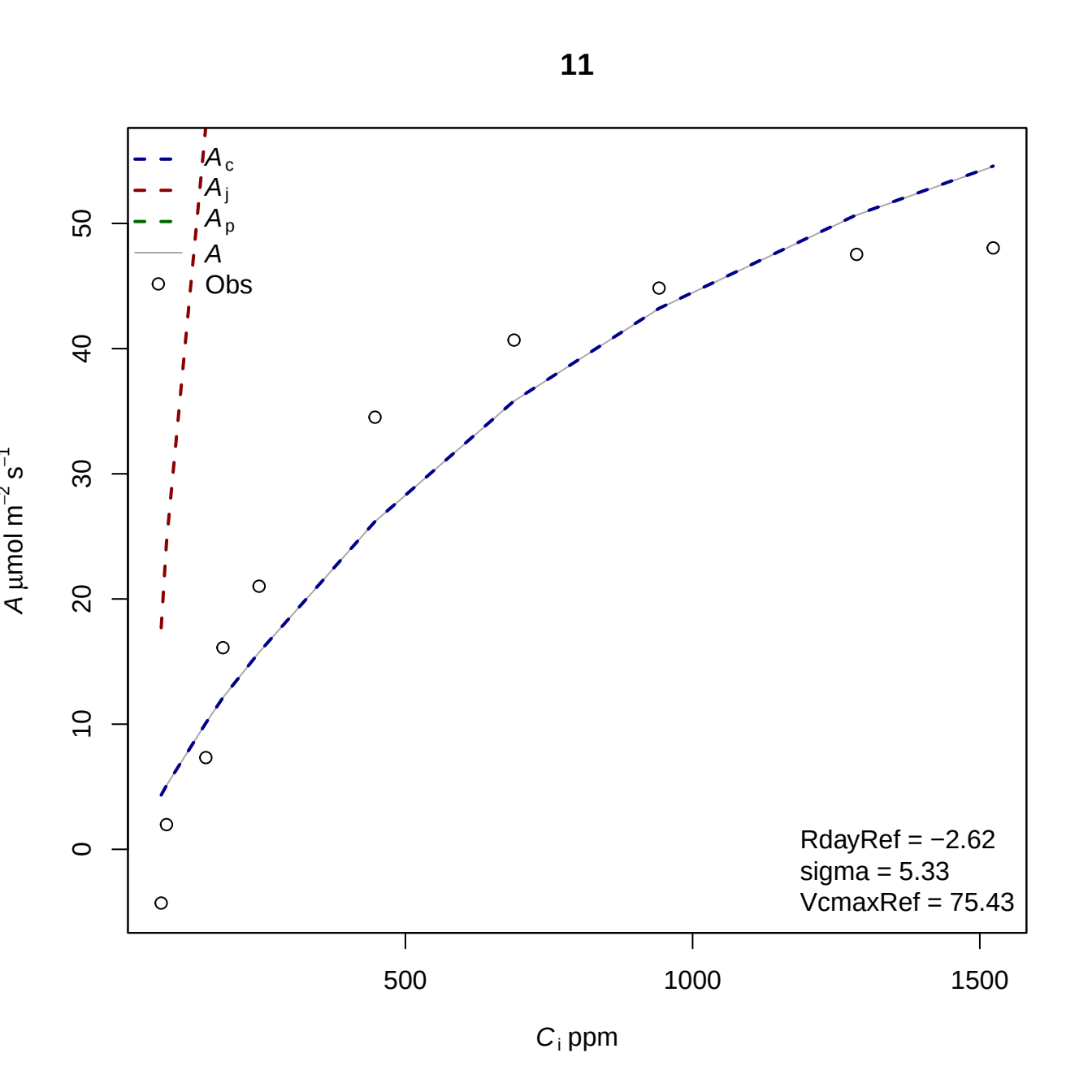

6
A_c
A_j
A_p
A
Obs
RdayRef = −1.69
sigma = 5.82
VcmaxRef = 66.81
0
10
20
30
40
50
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

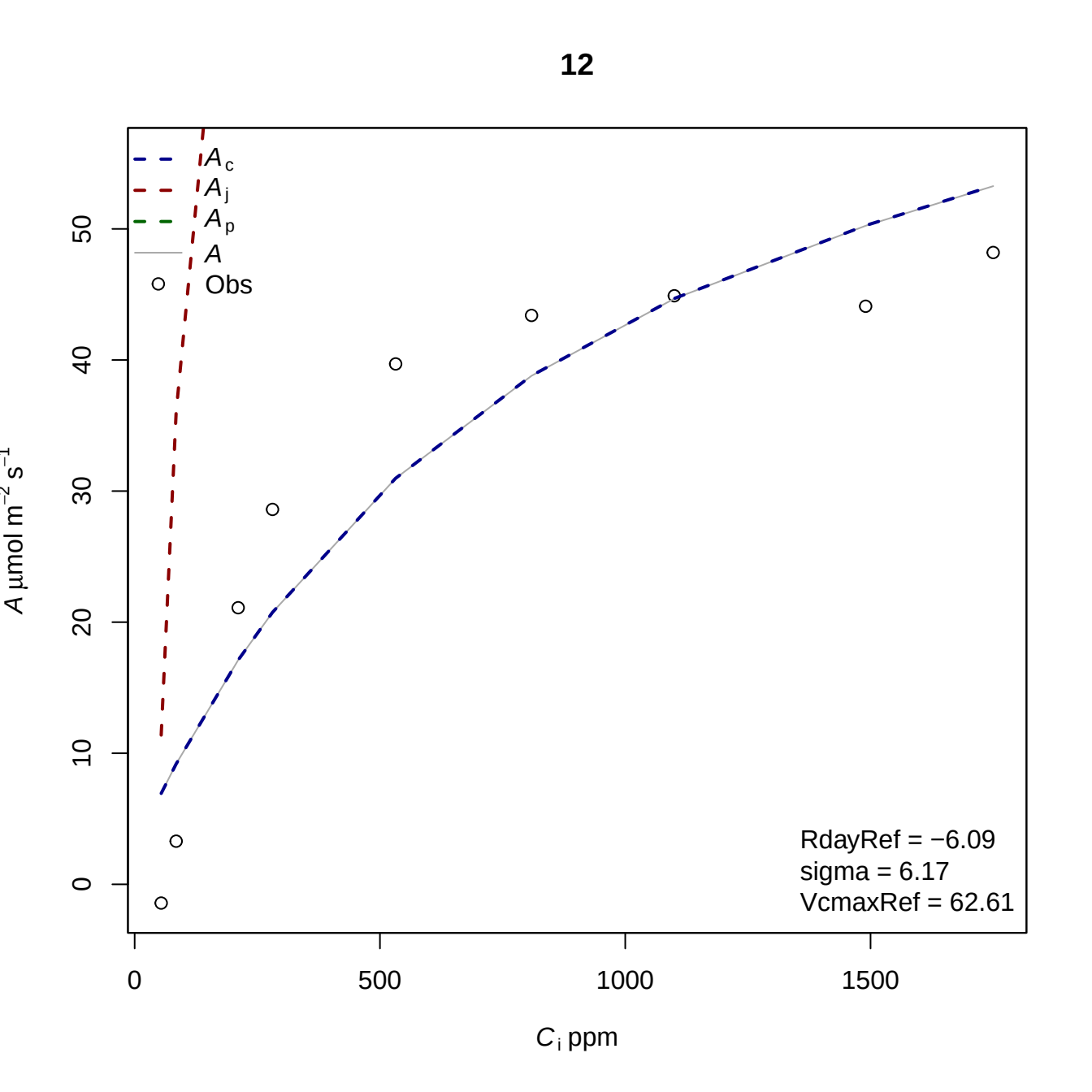

7
A_c
A_j
A_p
A
Obs
RdayRef = 0.01
sigma = 4.48
VcmaxRef = 67.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

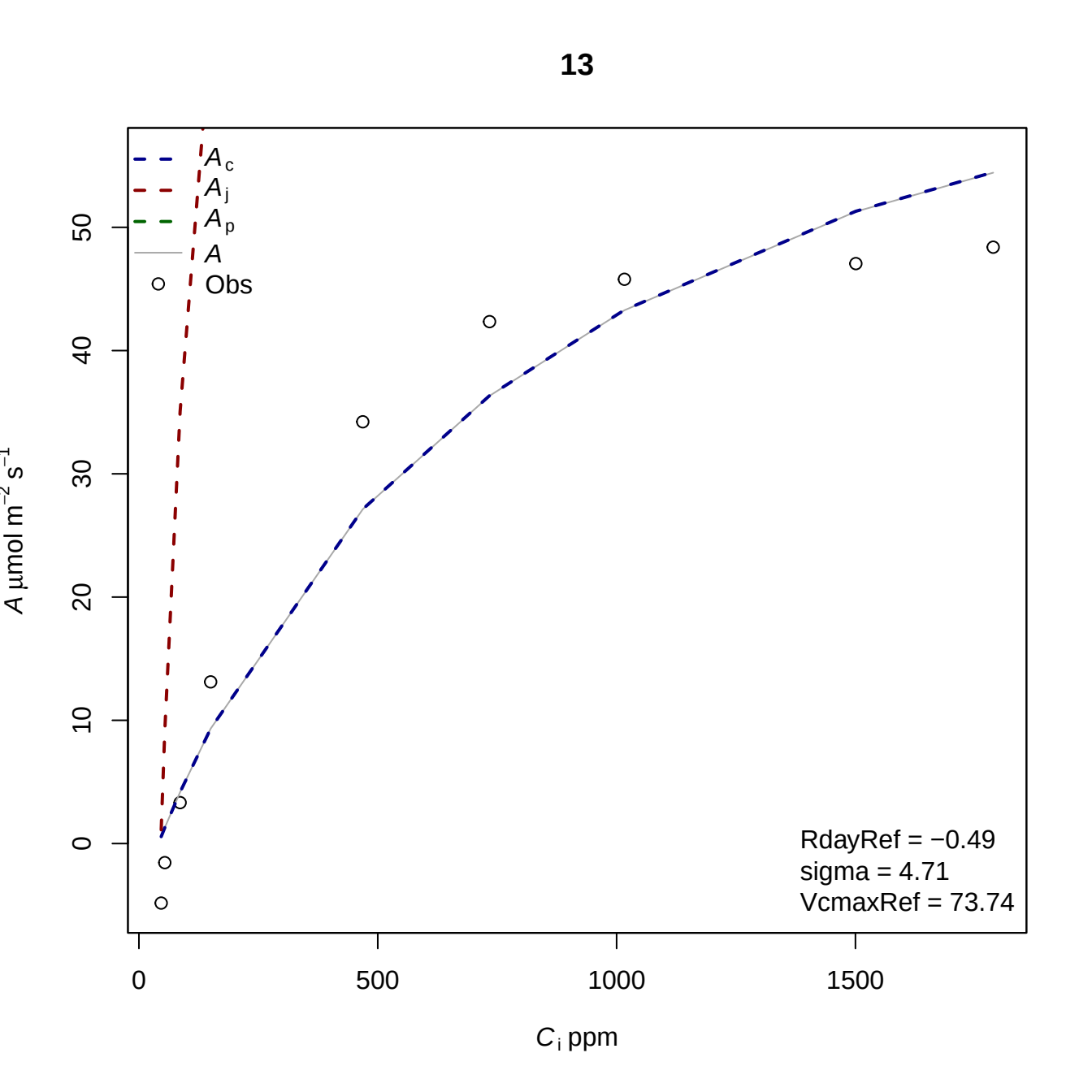

8
A_c
A_j
A_p
A
Obs
RdayRef = −2.17
sigma = 3.95
VcmaxRef = 58.63
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

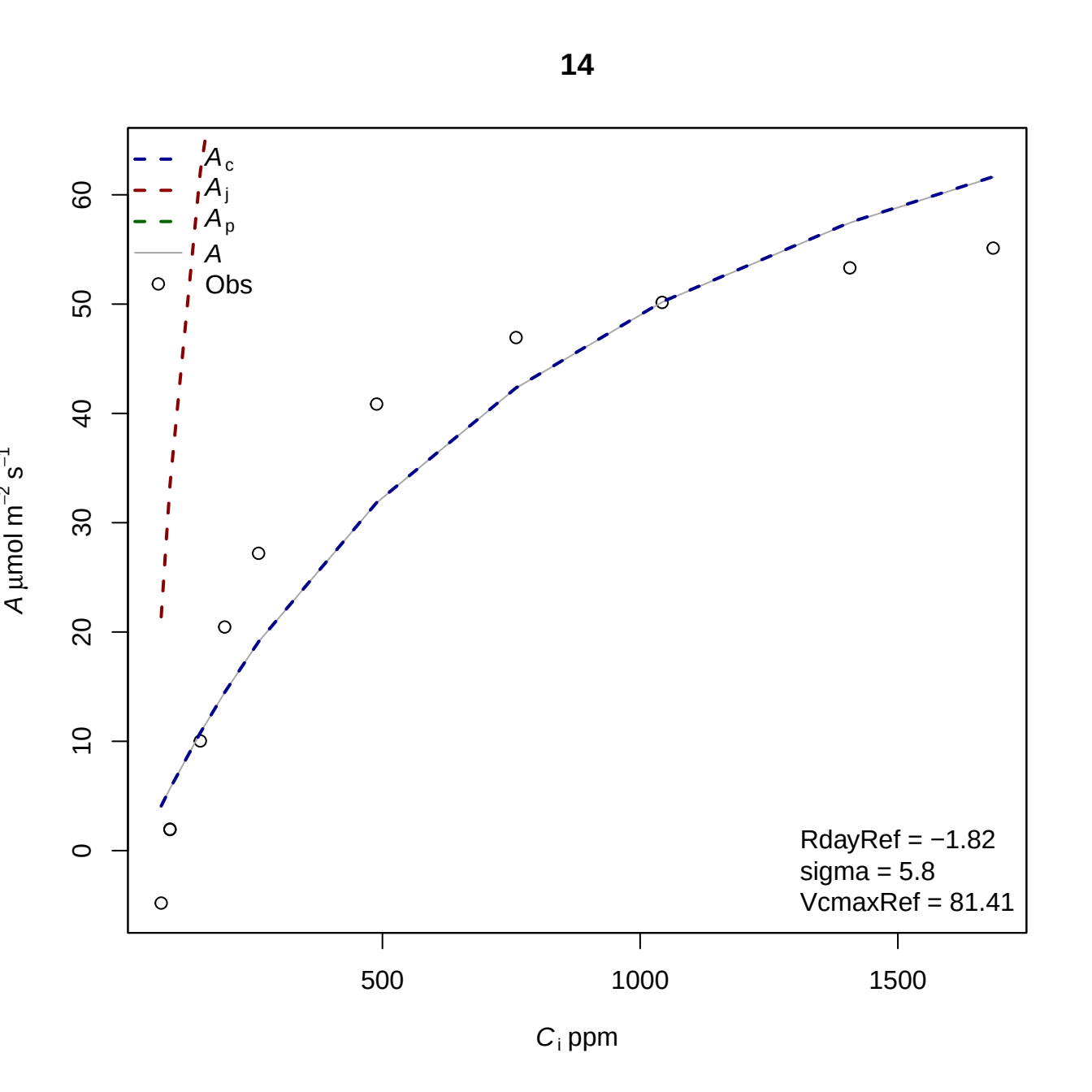

9
A_c
A_j
A_p
A
Obs
RdayRef = 0.59
sigma = 2.35
VcmaxRef = 59.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200
1400

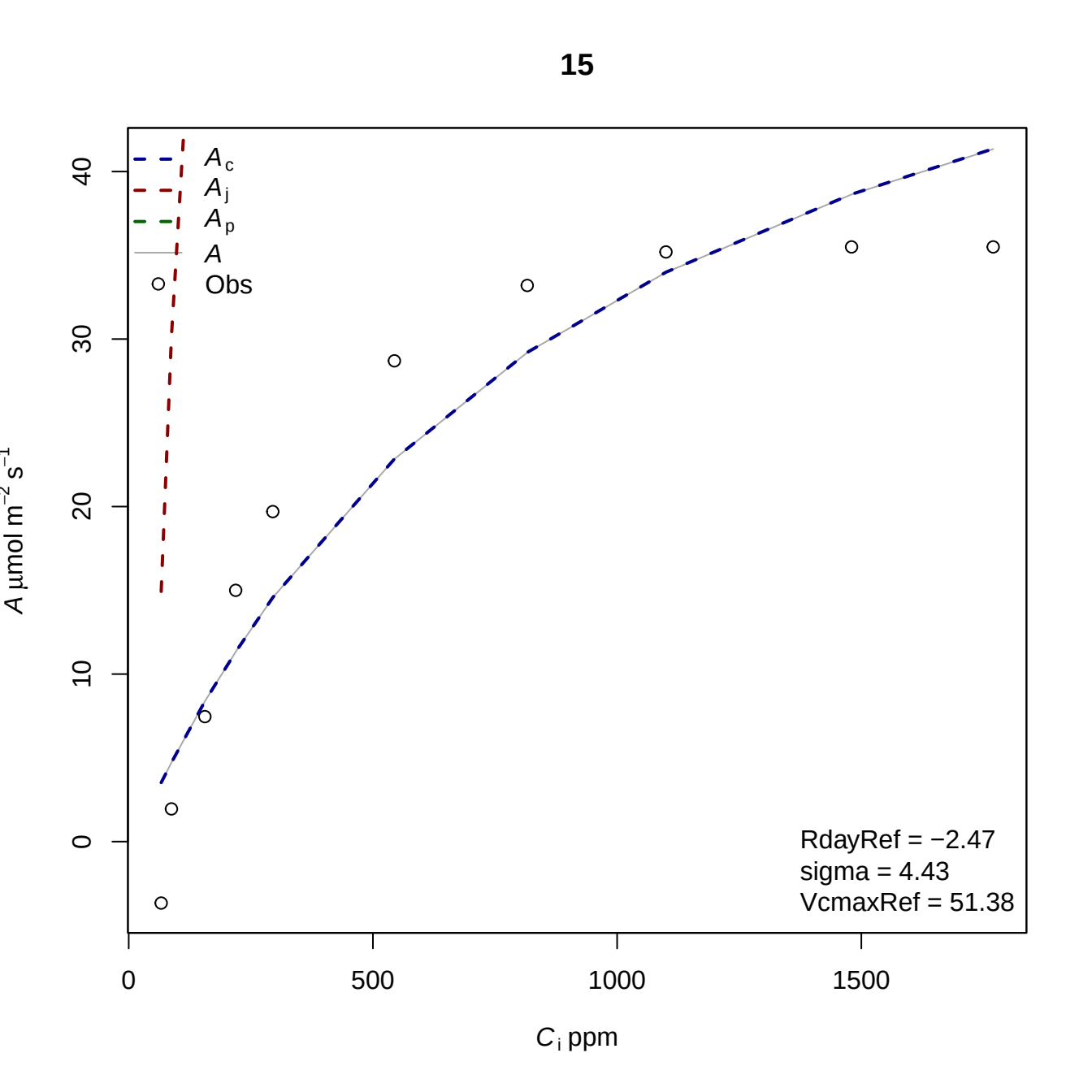

10
A_c
A_j
A_p
A
Obs
RdayRef = 17.54
sigma = 3.12
VcmaxRef = 130.41
A µmol m^{-2} s^{-1}
C_i ppm
0
20
40
60
200
400
600
800
1000
1200
1400

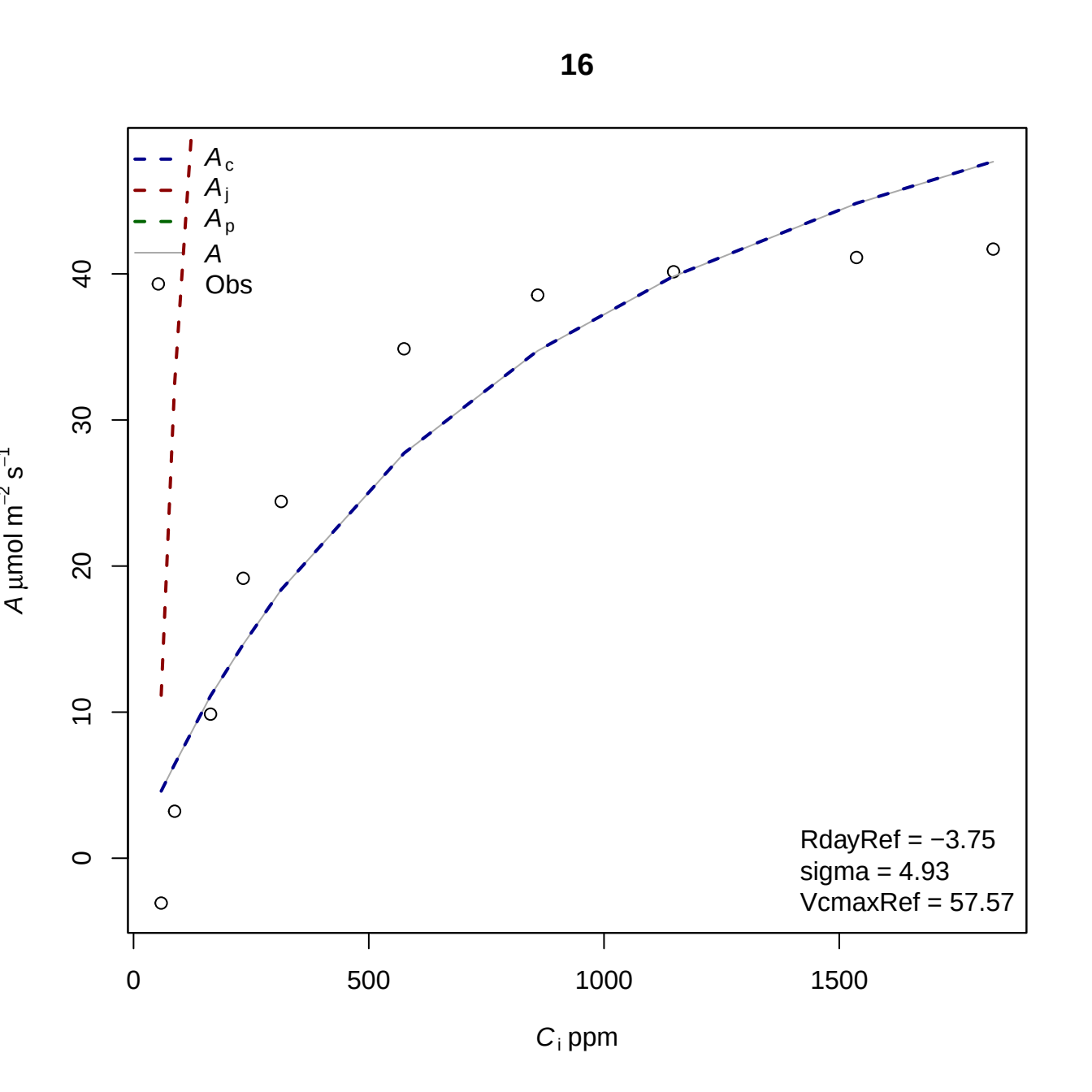

11
A_c
A_j
A_p
A
Obs
RdayRef = −2.62
sigma = 5.33
VcmaxRef = 75.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
500
1000
1500

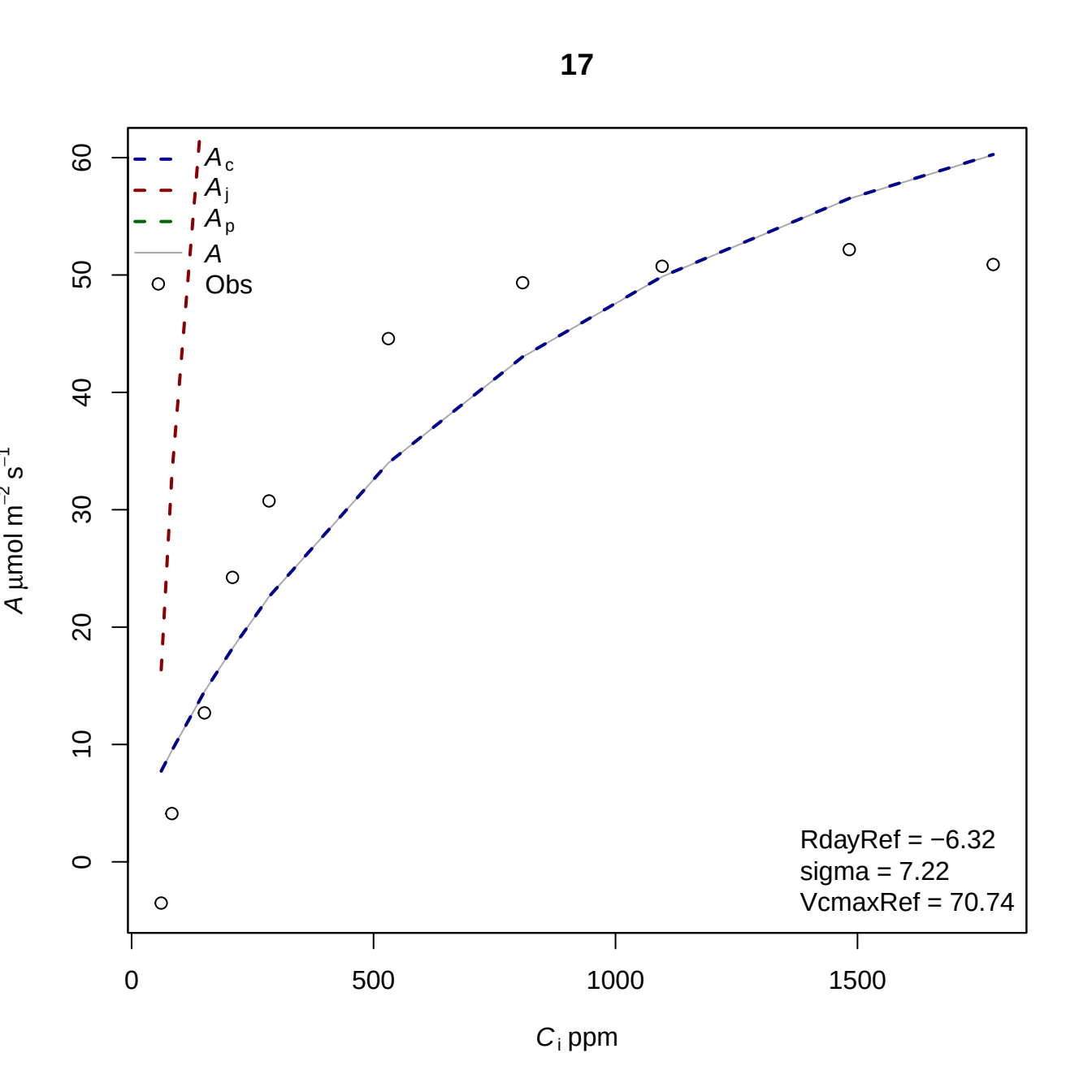

12
A_c
A_j
A_p
A
Obs
RdayRef = −6.09
sigma = 6.17
VcmaxRef = 62.61
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

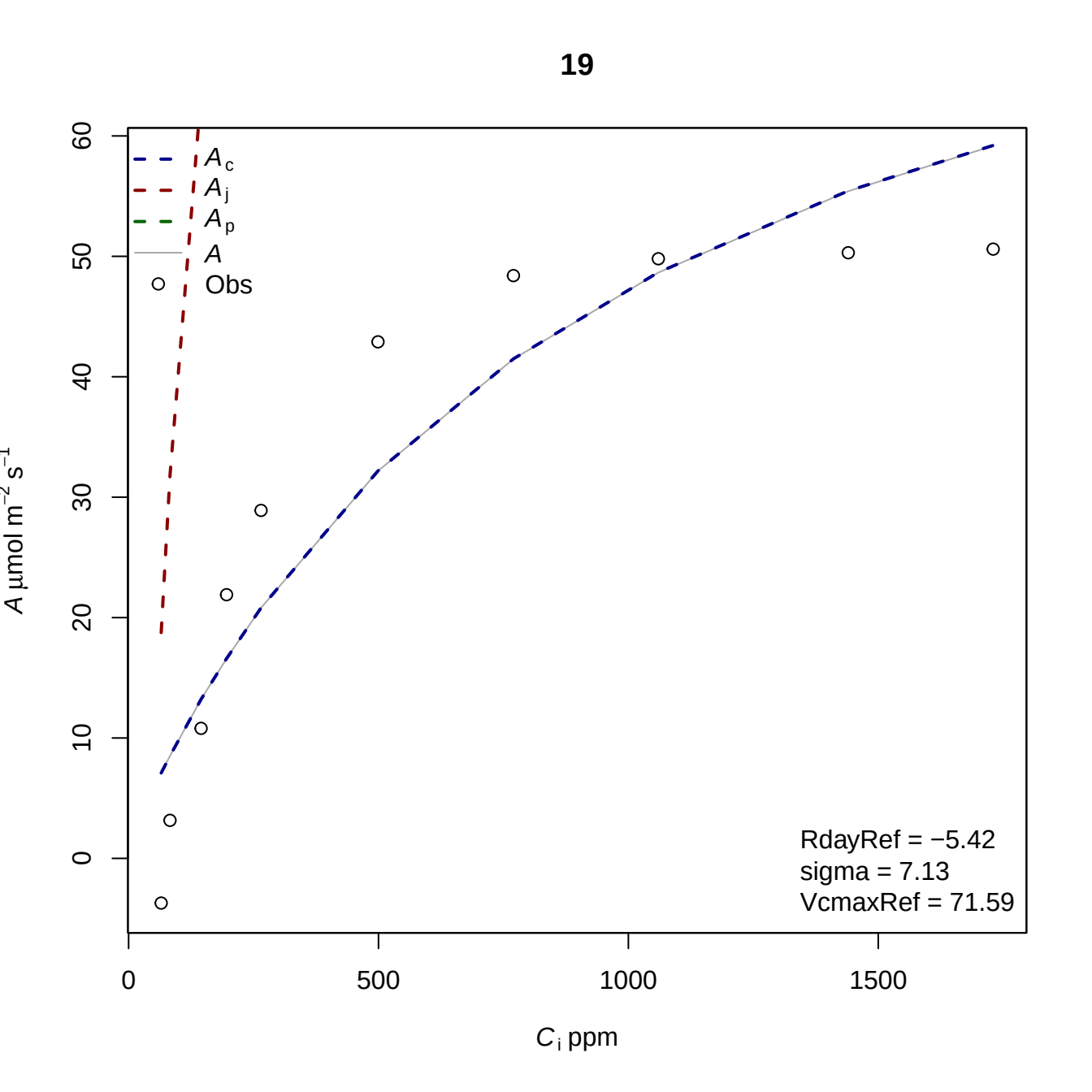

13
A_c
A_j
A_p
A
Obs
RdayRef = −0.49
sigma = 4.71
VcmaxRef = 73.74
0
10
20
30
40
50
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

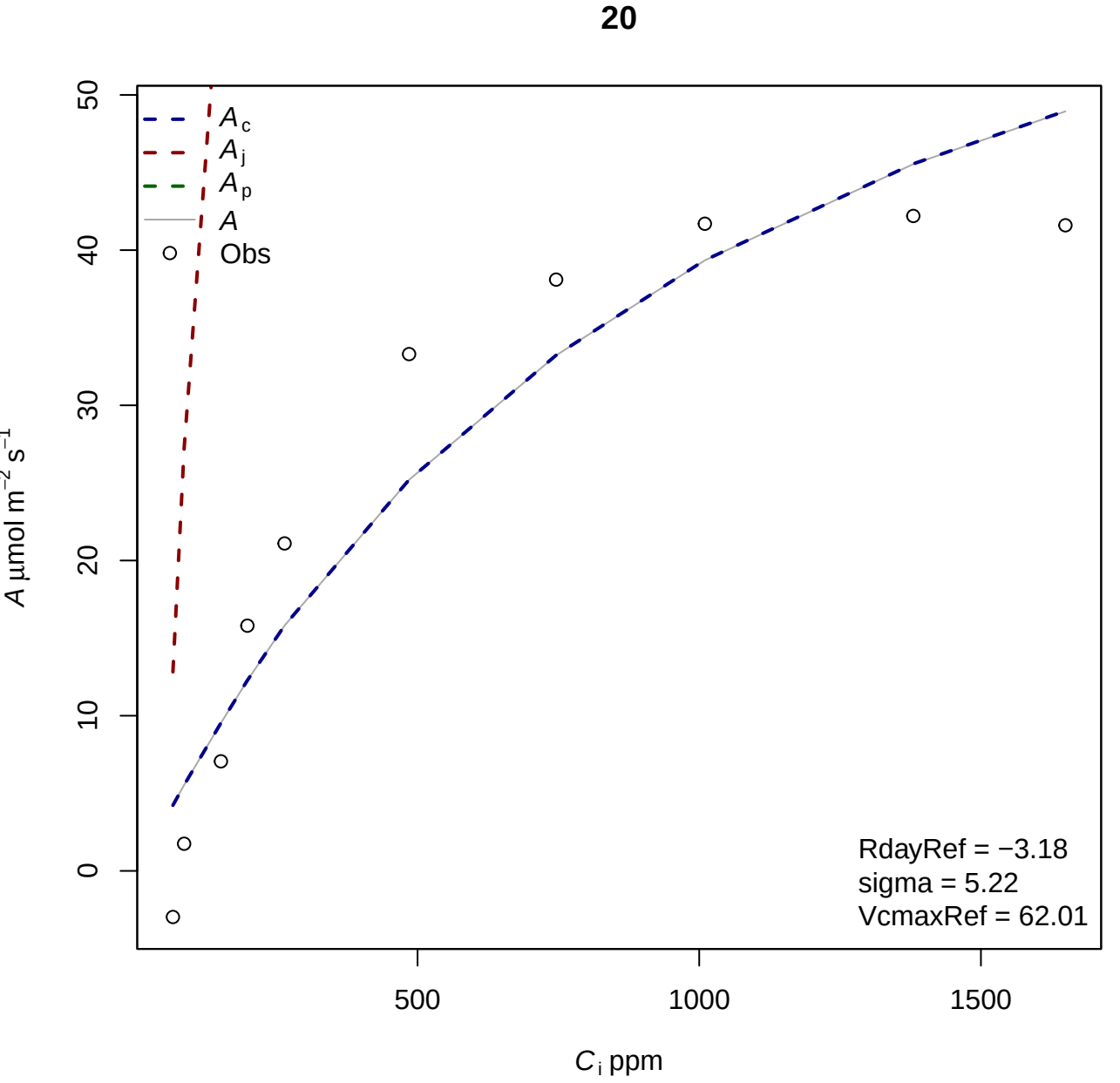

14
A_c
A_j
A_p
A
Obs
RdayRef = −1.82
sigma = 5.8
VcmaxRef = 81.41
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

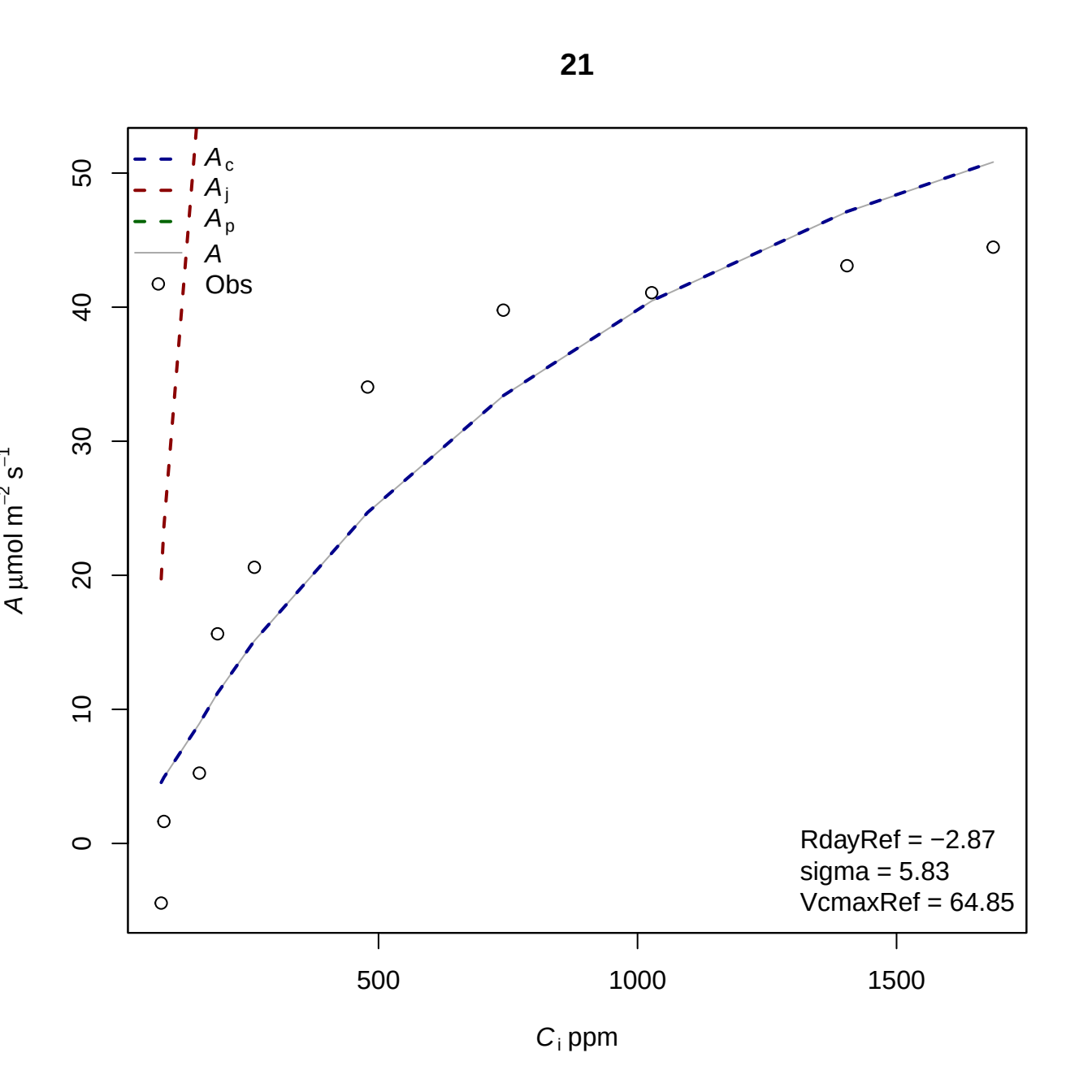

15
A_c
A_j
A_p
A
Obs
RdayRef = −2.47
sigma = 4.43
VcmaxRef = 51.38
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

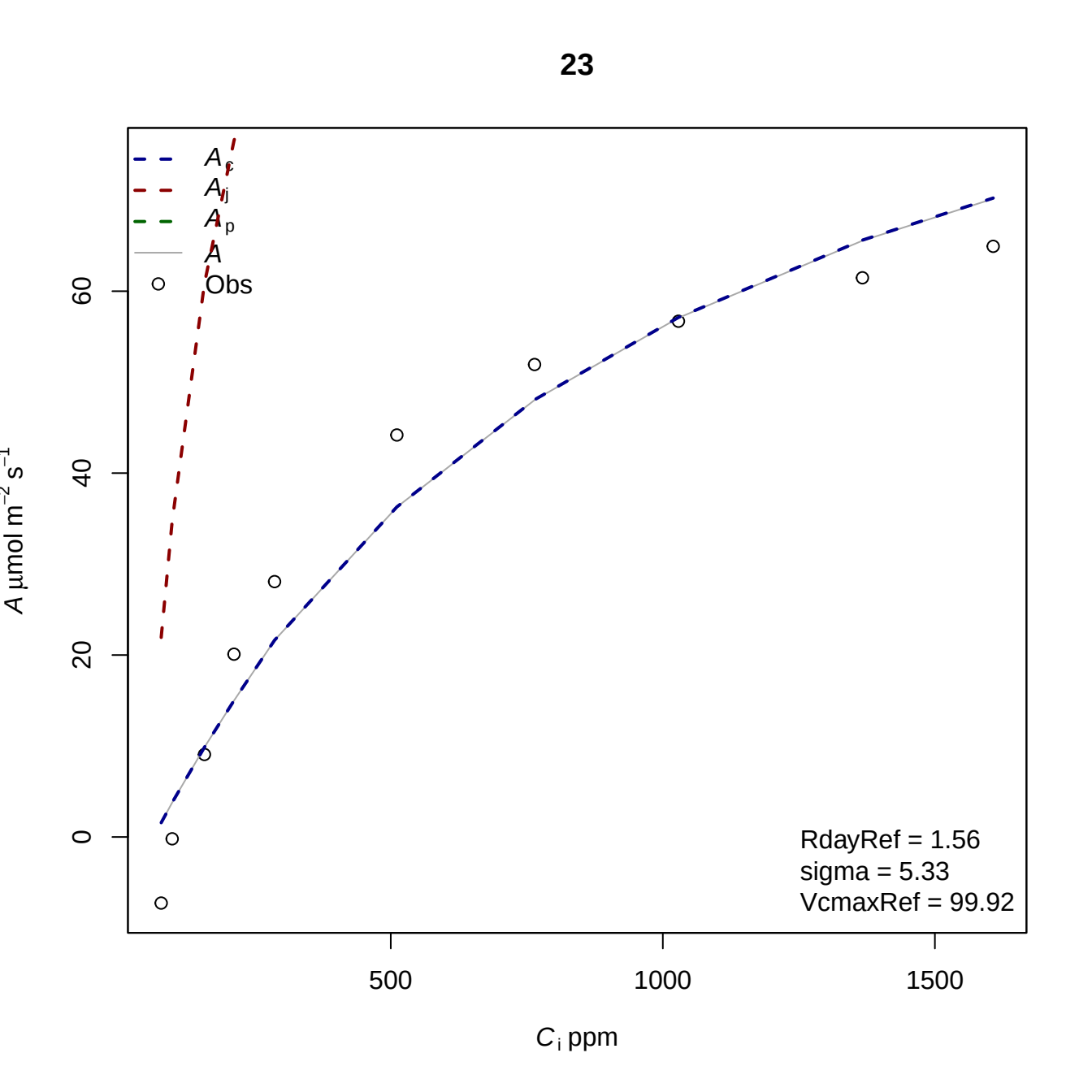

16
A_c
A_j
A_p
A
Obs
RdayRef = −3.75
sigma = 4.93
VcmaxRef = 57.57
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

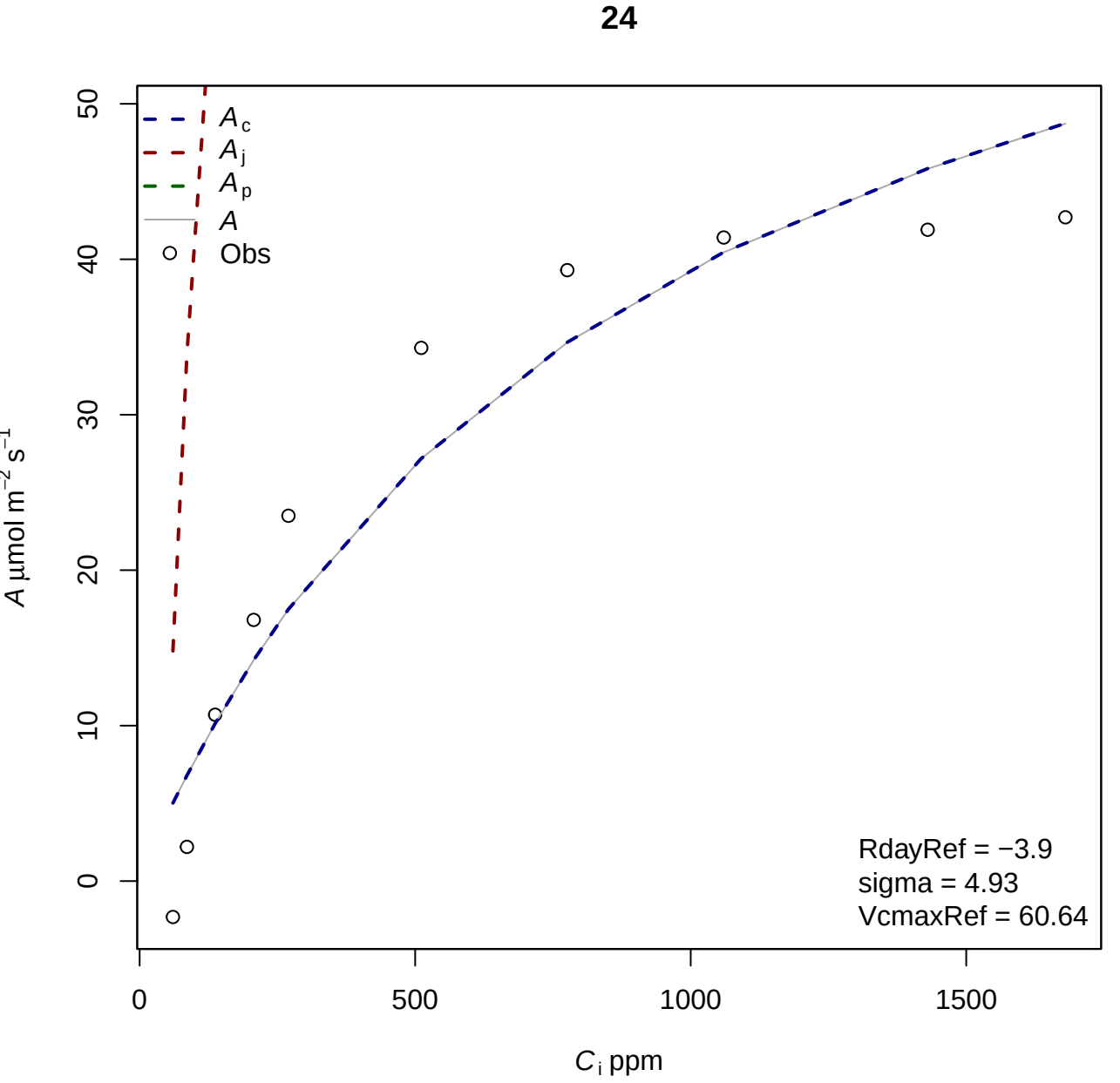

17
A_c
A_j
A_p
A
Obs
RdayRef = −6.32
sigma = 7.22
VcmaxRef = 70.74
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

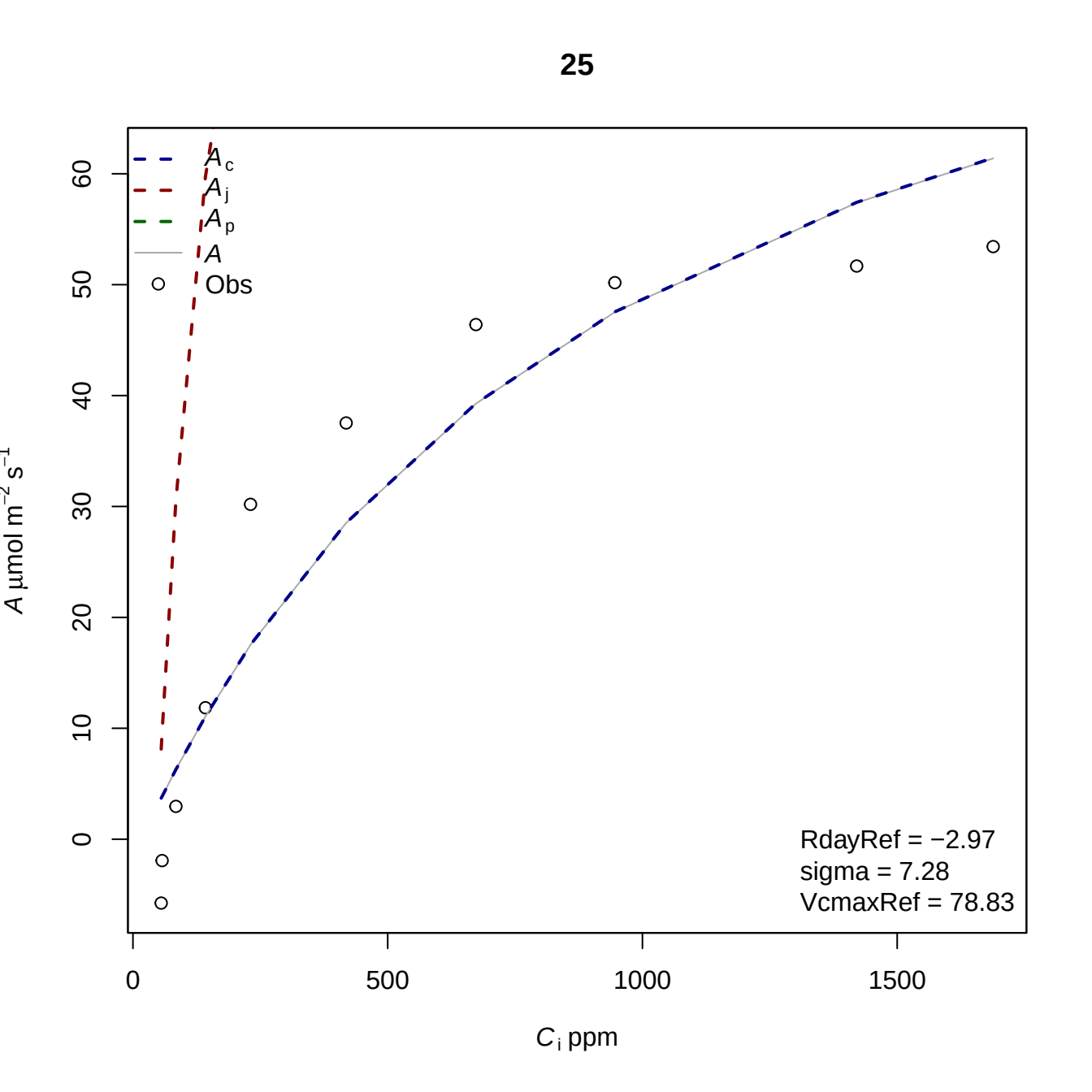

19
A_c
A_j
A_p
A
Obs
RdayRef = −5.42
sigma = 7.13
VcmaxRef = 71.59
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

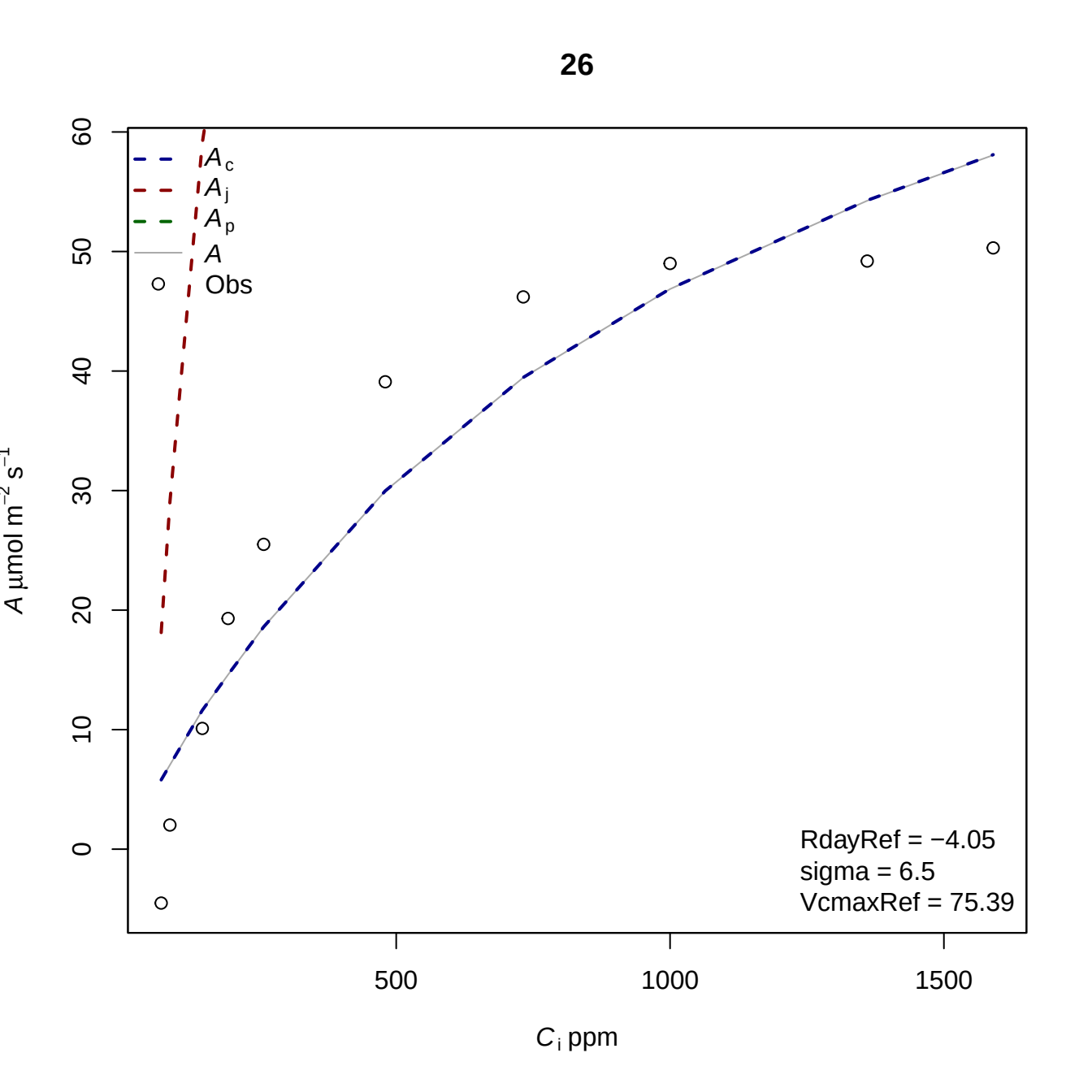

20
A_c
A_j
A_p
A
Obs
RdayRef = −3.18
sigma = 5.22
VcmaxRef = 62.01
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

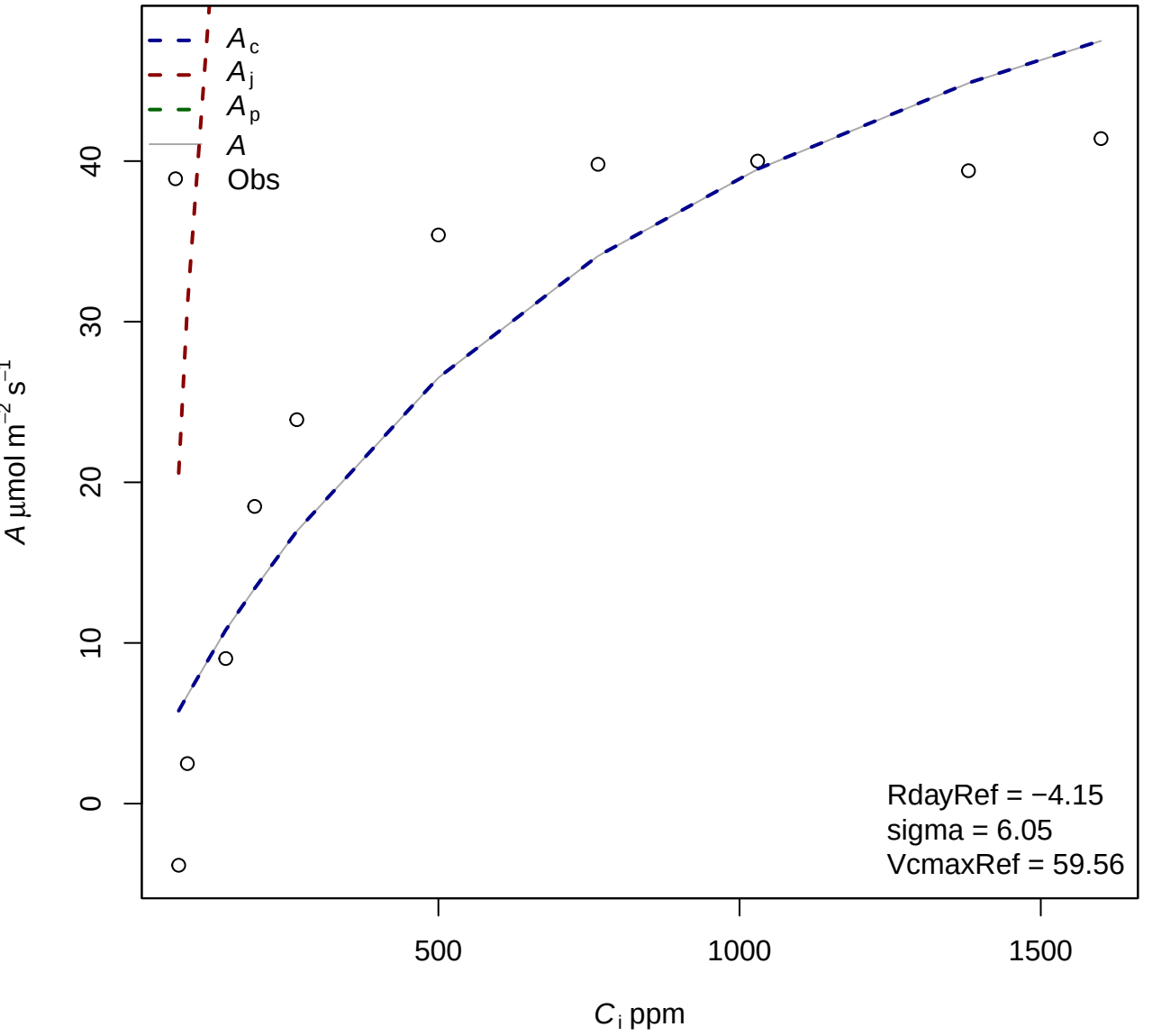

21
A_c
A_j
A_p
A
Obs
RdayRef = −2.87
sigma = 5.83
VcmaxRef = 64.85
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

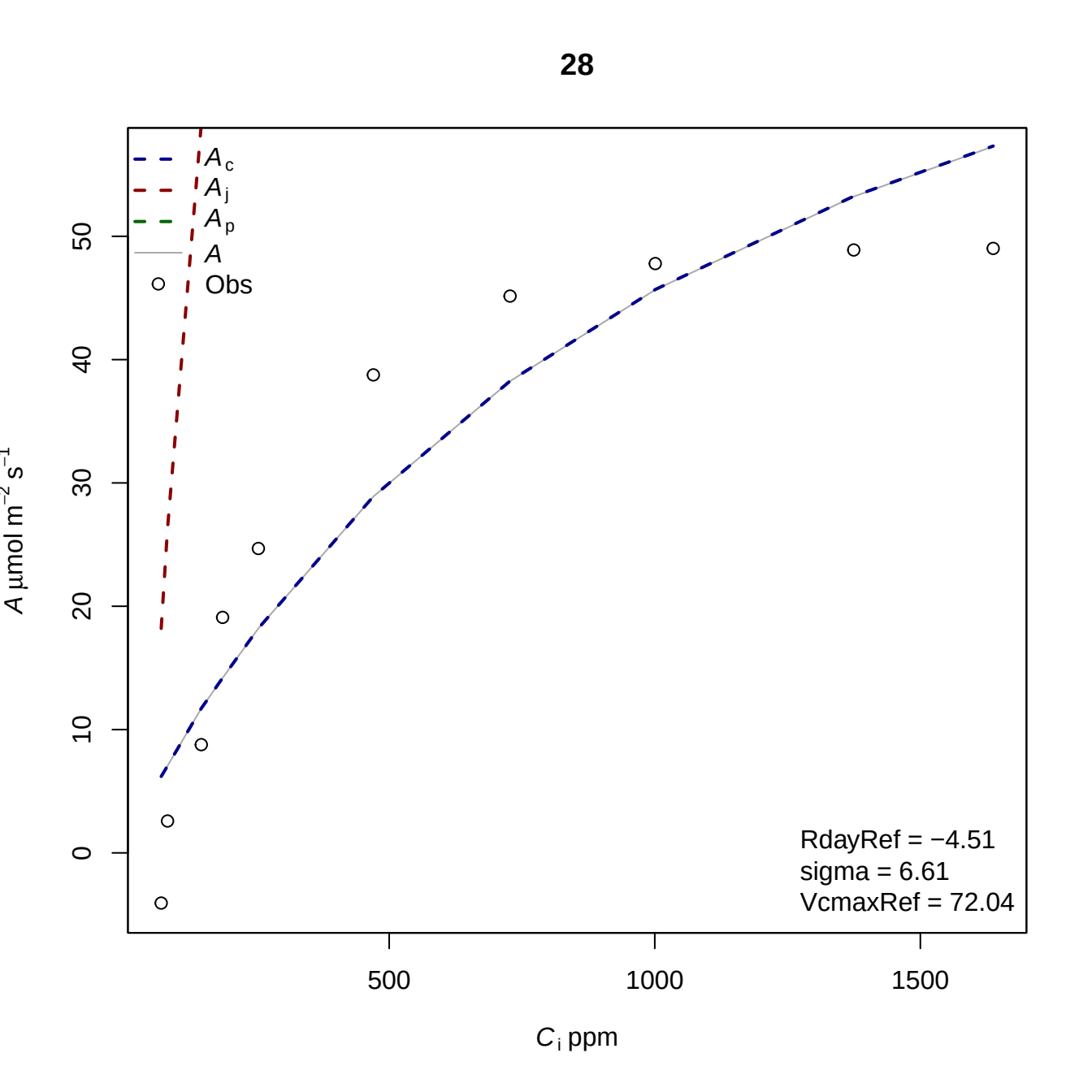

23
A_c
A_j
A_p
A
Obs
RdayRef = 1.56
sigma = 5.33
VcmaxRef = 99.92
0
20
40
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

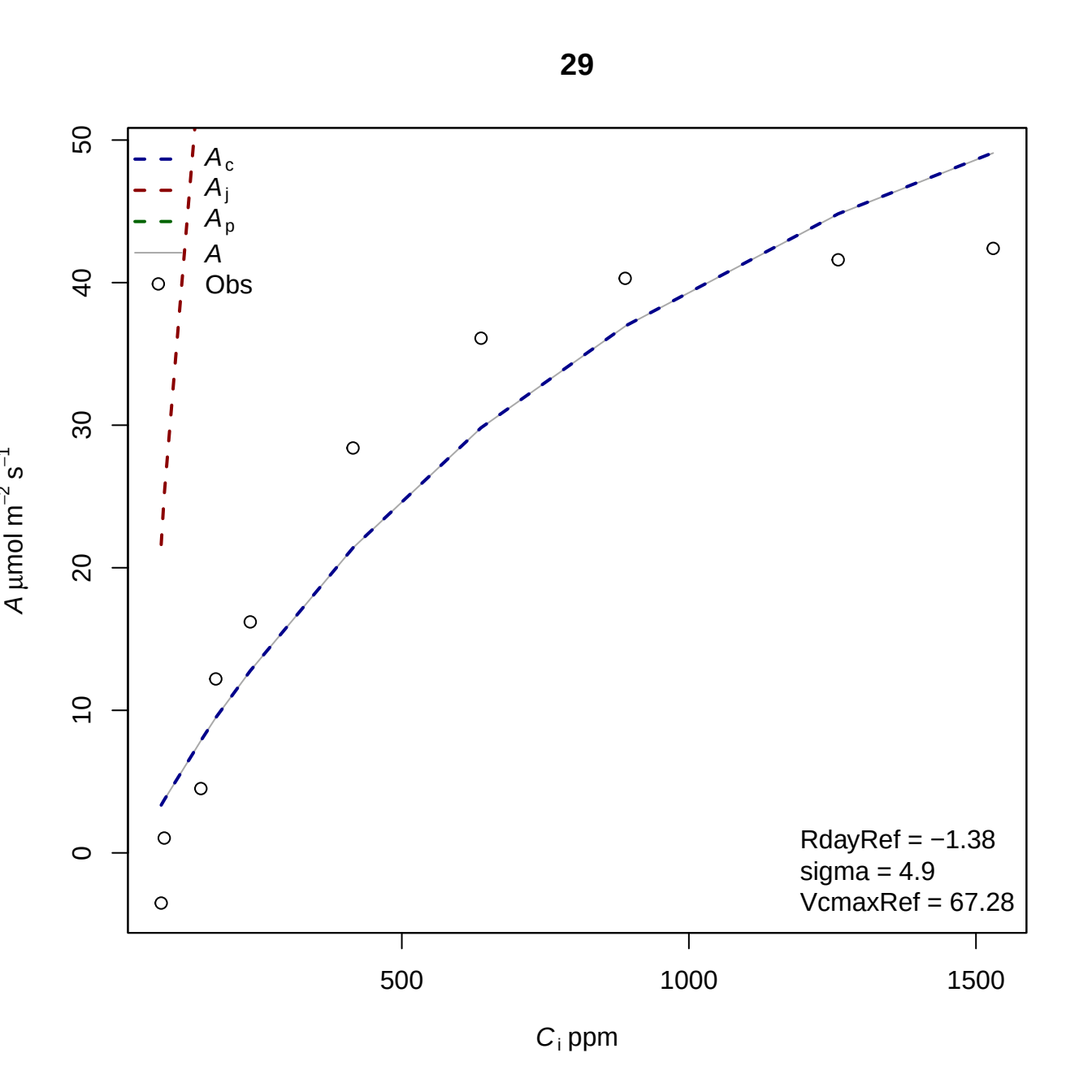

24
A_c
A_j
A_p
A
Obs
RdayRef = −3.9
sigma = 4.93
VcmaxRef = 60.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

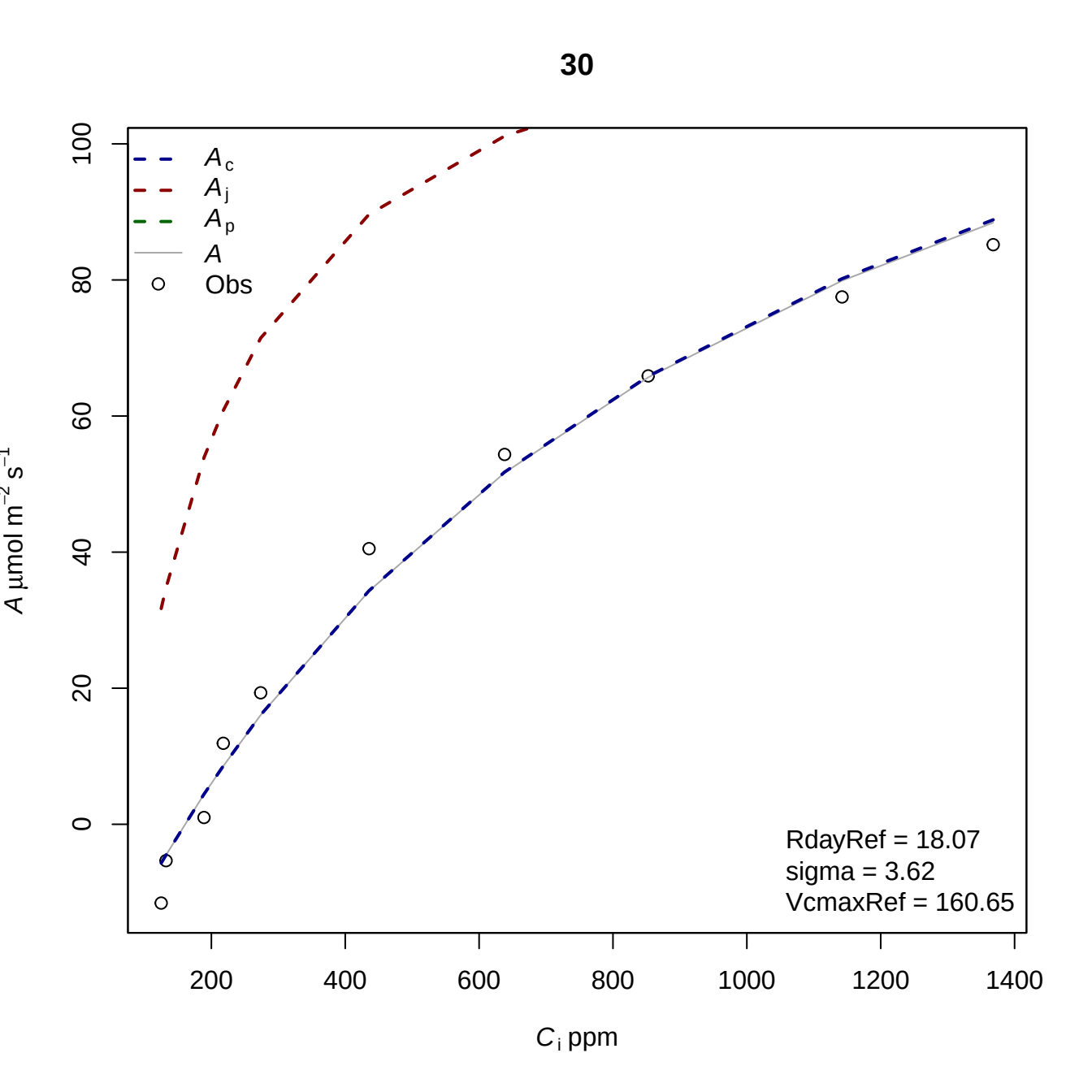

25
A_c
A_j
A_p
A
Obs
RdayRef = −2.97
sigma = 7.28
VcmaxRef = 78.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

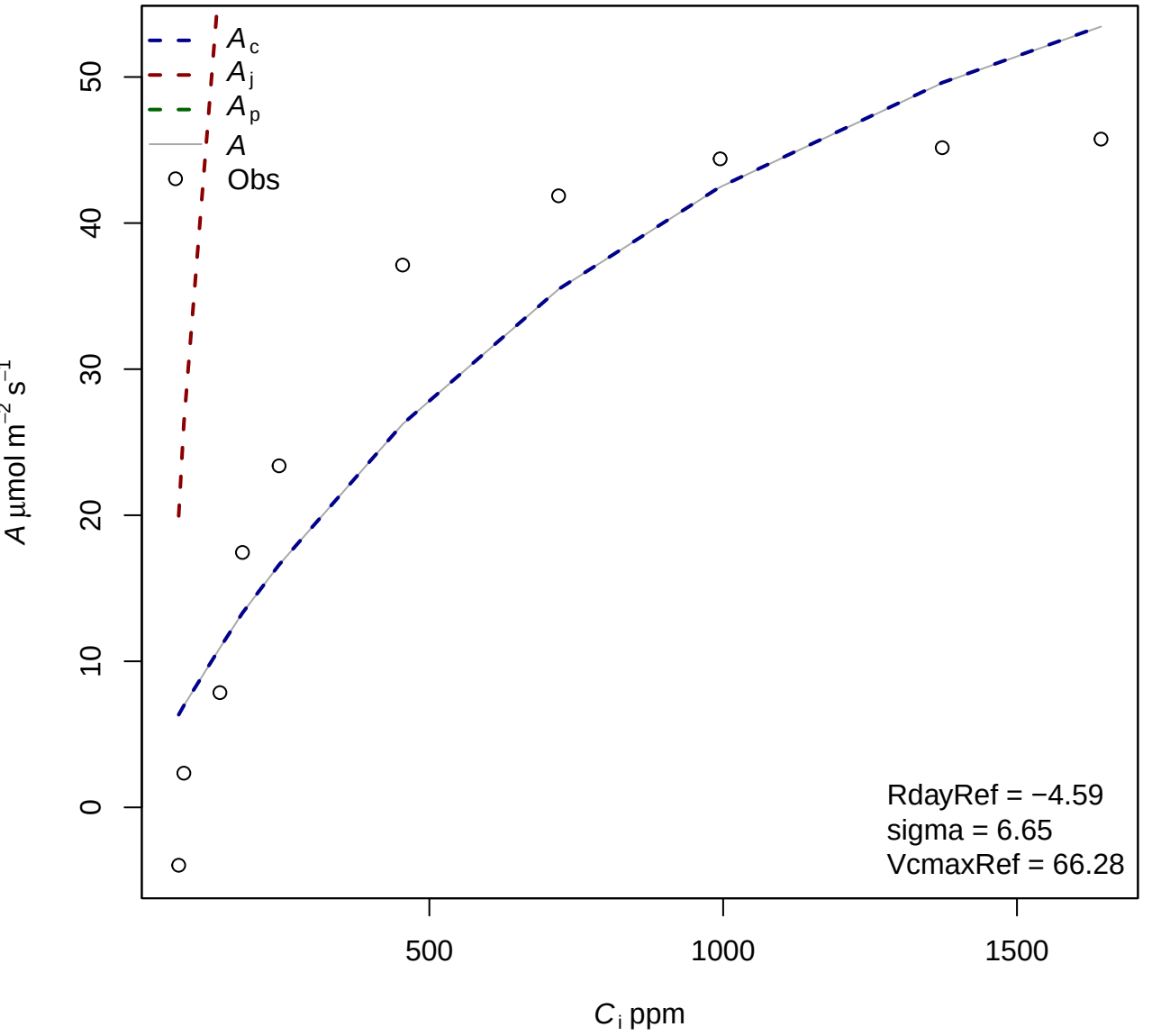

26
A_c
A_j
A_p
A
Obs
RdayRef = −4.05
sigma = 6.5
VcmaxRef = 75.39
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

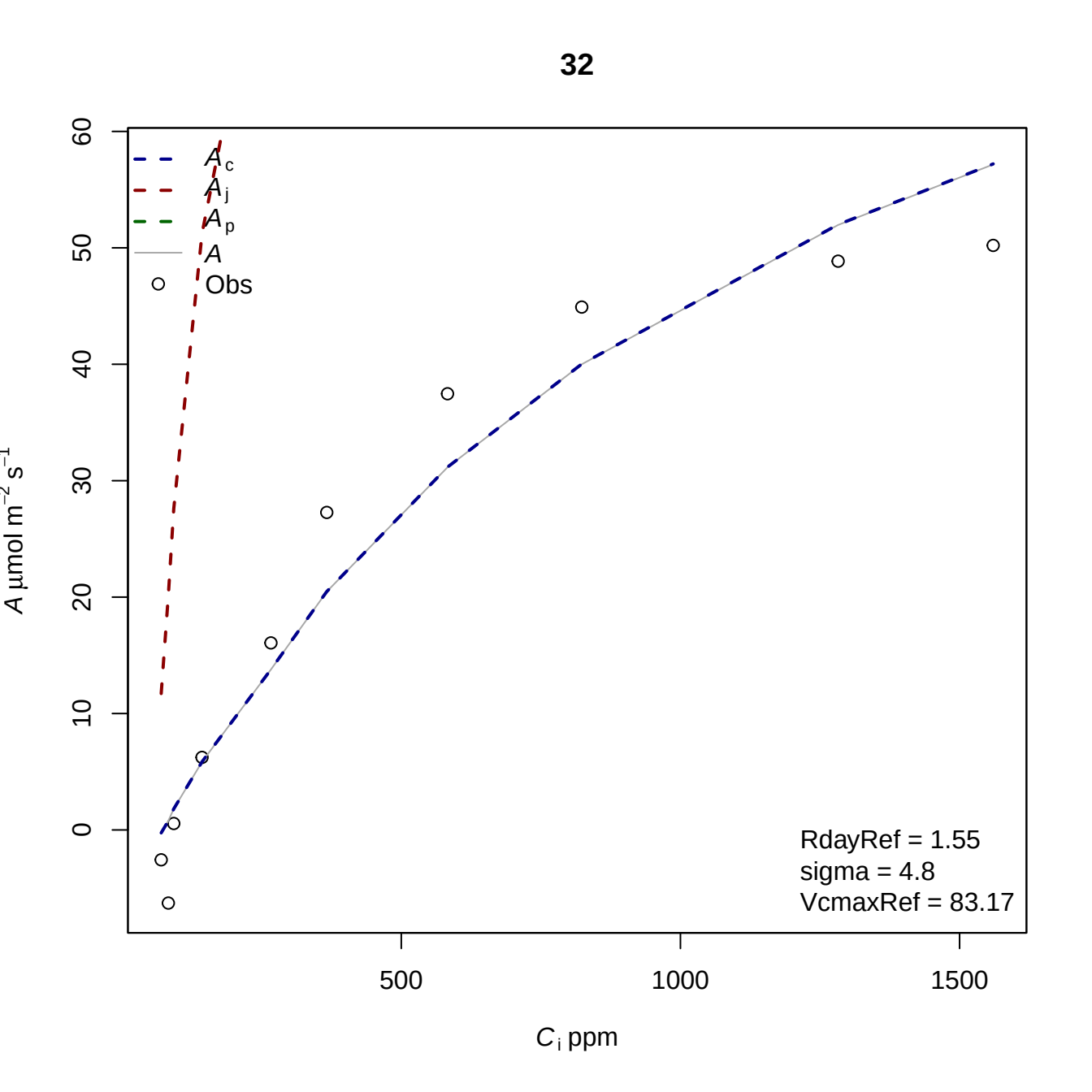

A_c
A_j
A_p
A
Obs
RdayRef = −4.15
sigma = 6.05
VcmaxRef = 59.56
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

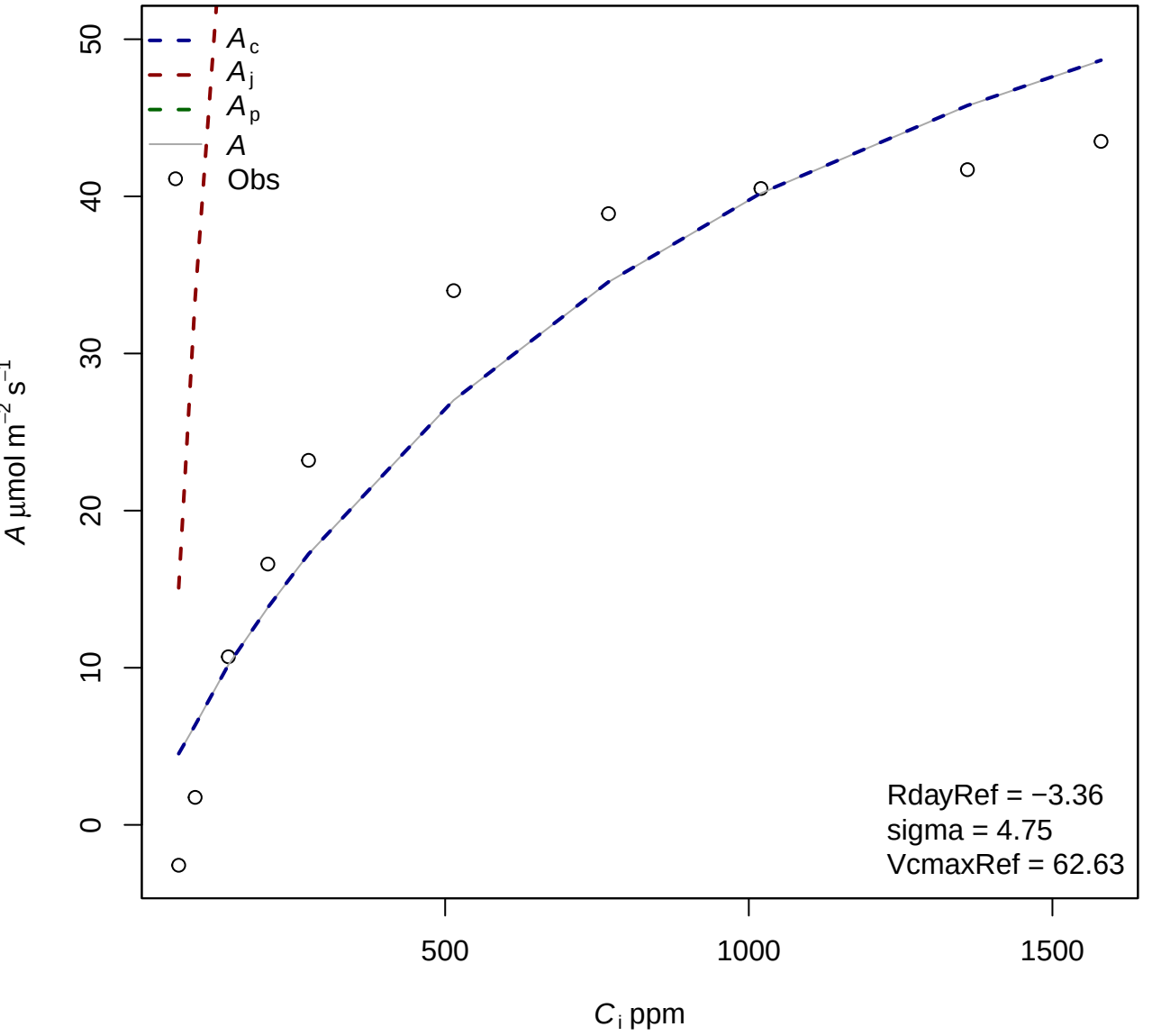

28
A_c
A_j
A_p
A
Obs
RdayRef = −4.51
sigma = 6.61
VcmaxRef = 72.04
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

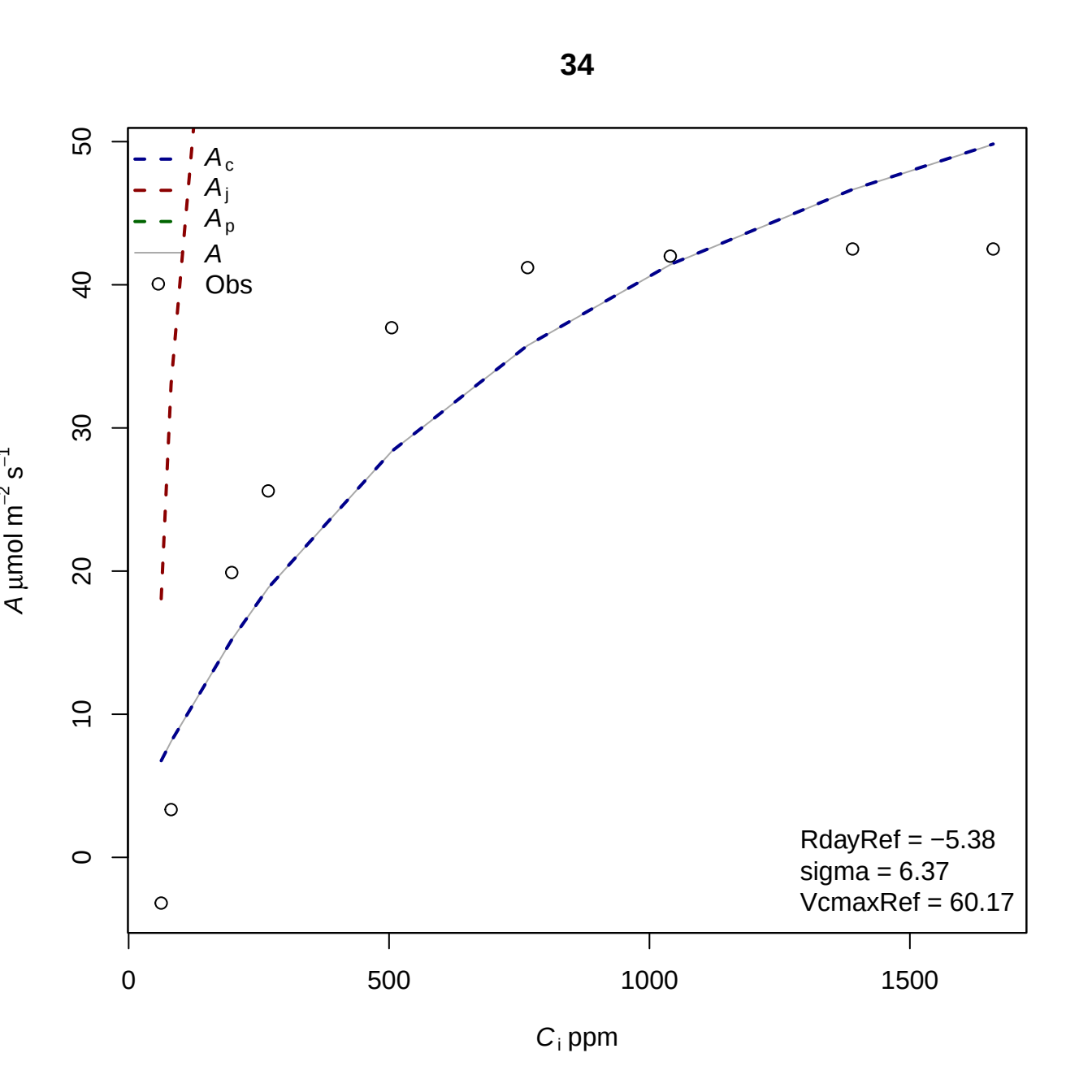

29
A_c
A_j
A_p
A
Obs
RdayRef = −1.38
sigma = 4.9
VcmaxRef = 67.28
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

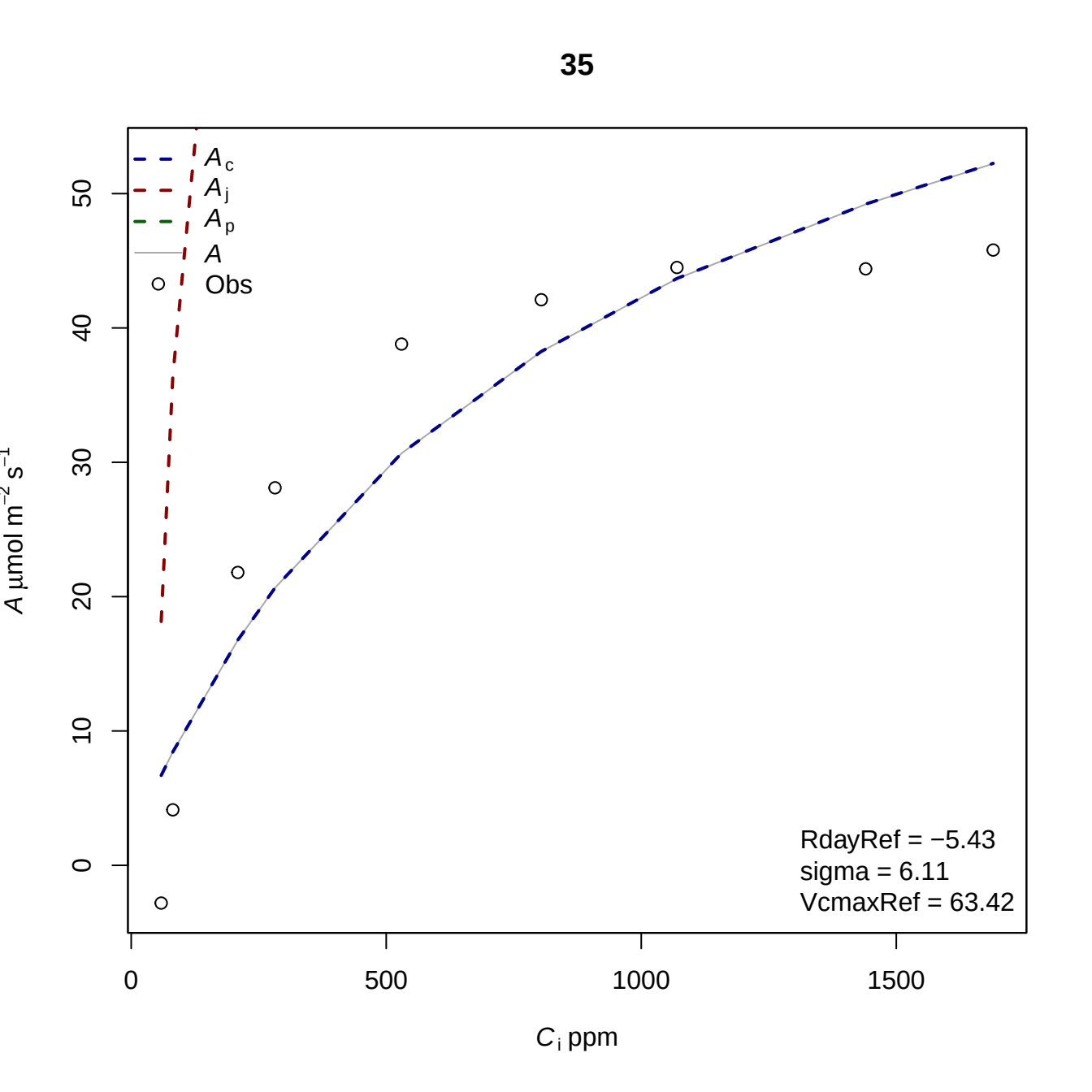

30
A_c
A_j
A_p
A
Obs
RdayRef = 18.07
sigma = 3.62
VcmaxRef = 160.65
A µmol m^{-2} s^{-1}
C_i ppm
0
20
40
60
80
100
200
400
600
800
1000
1200
1400

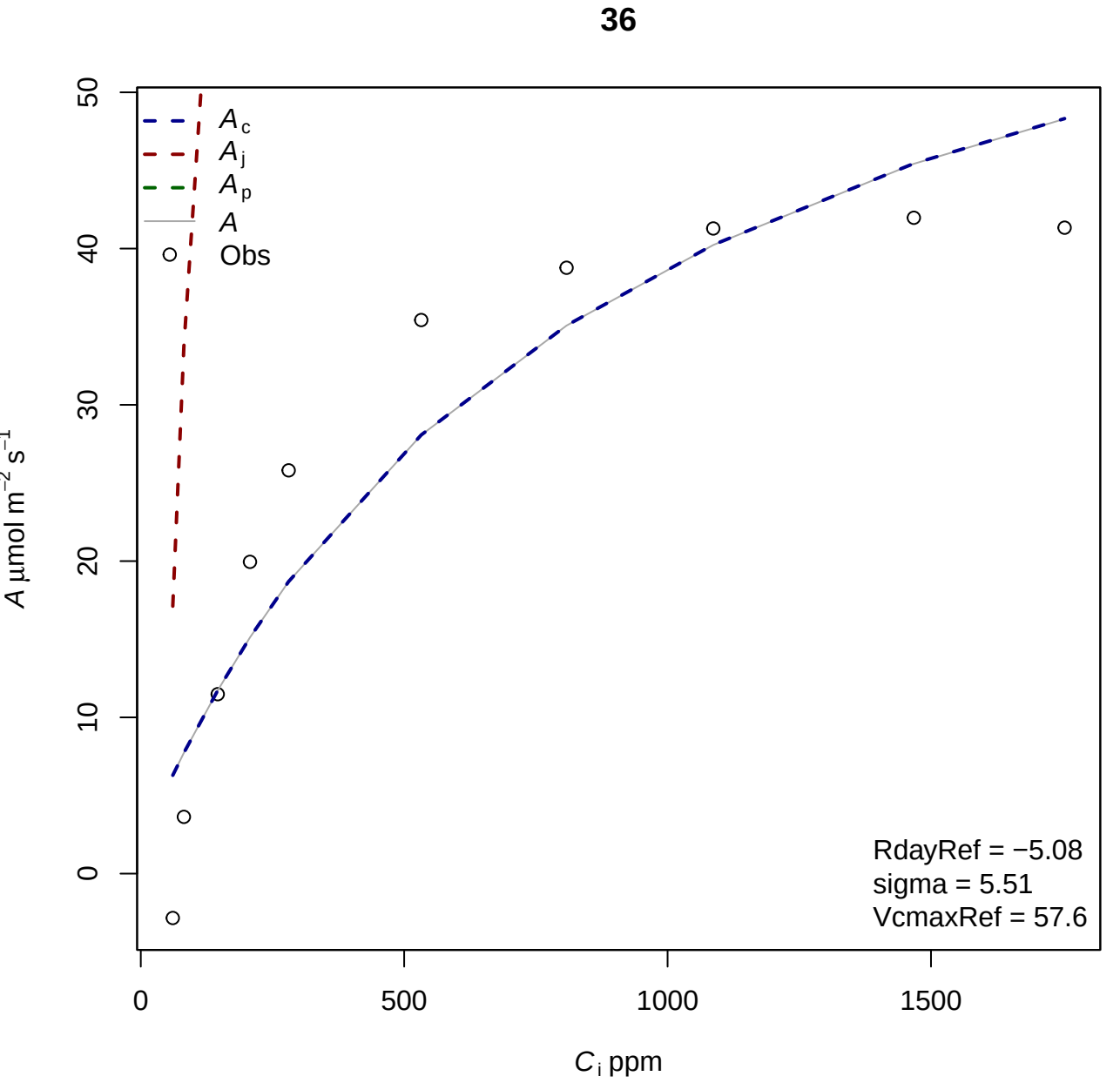

A_c
A_j
A_p
A
Obs
RdayRef = −4.59
sigma = 6.65
VcmaxRef = 66.28
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

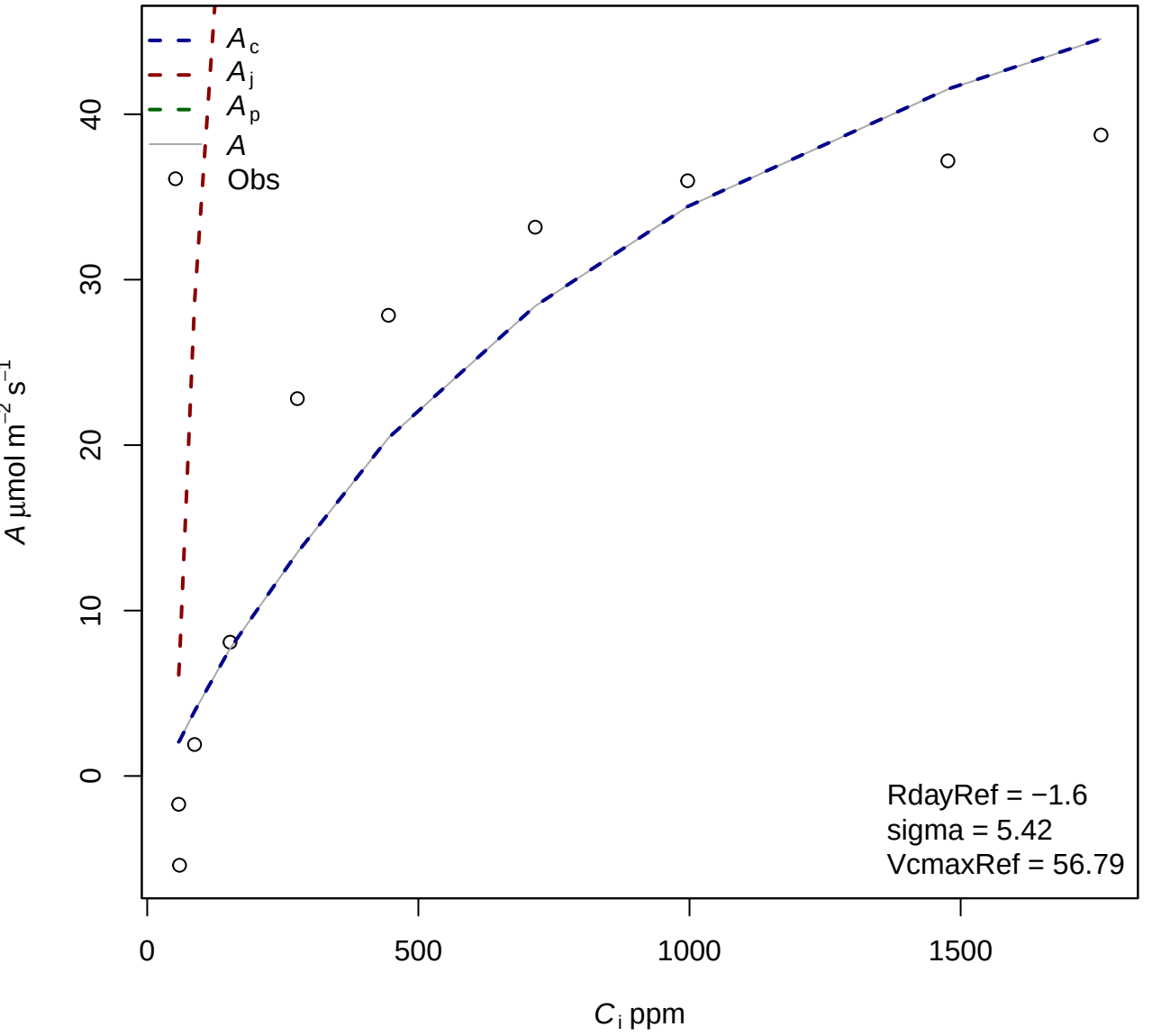

32
A_c
A_j
A_p
A
Obs
RdayRef = 1.55
sigma = 4.8
VcmaxRef = 83.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

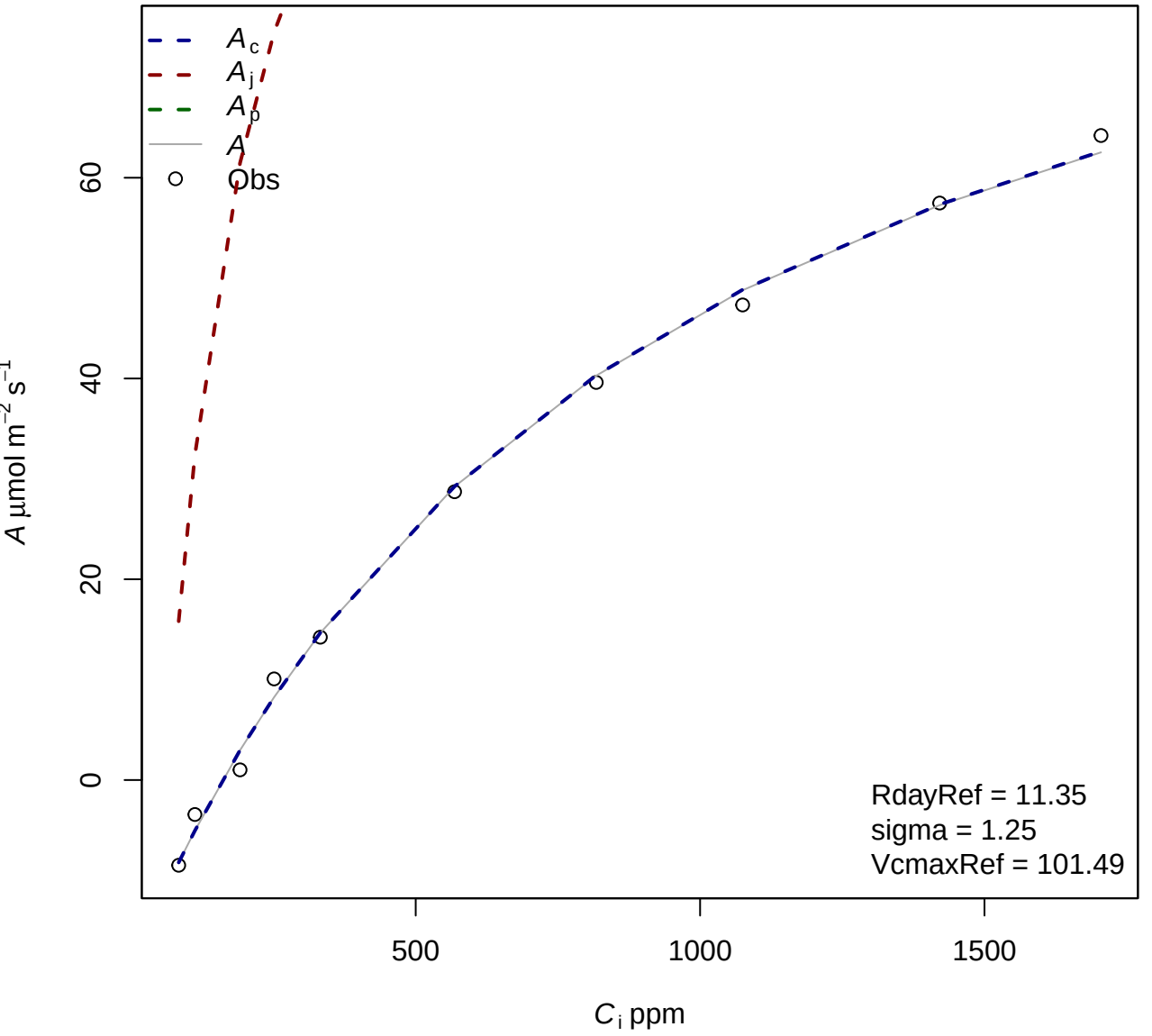

A_c
A_j
A_p
A
Obs
RdayRef = −3.36
sigma = 4.75
VcmaxRef = 62.63
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

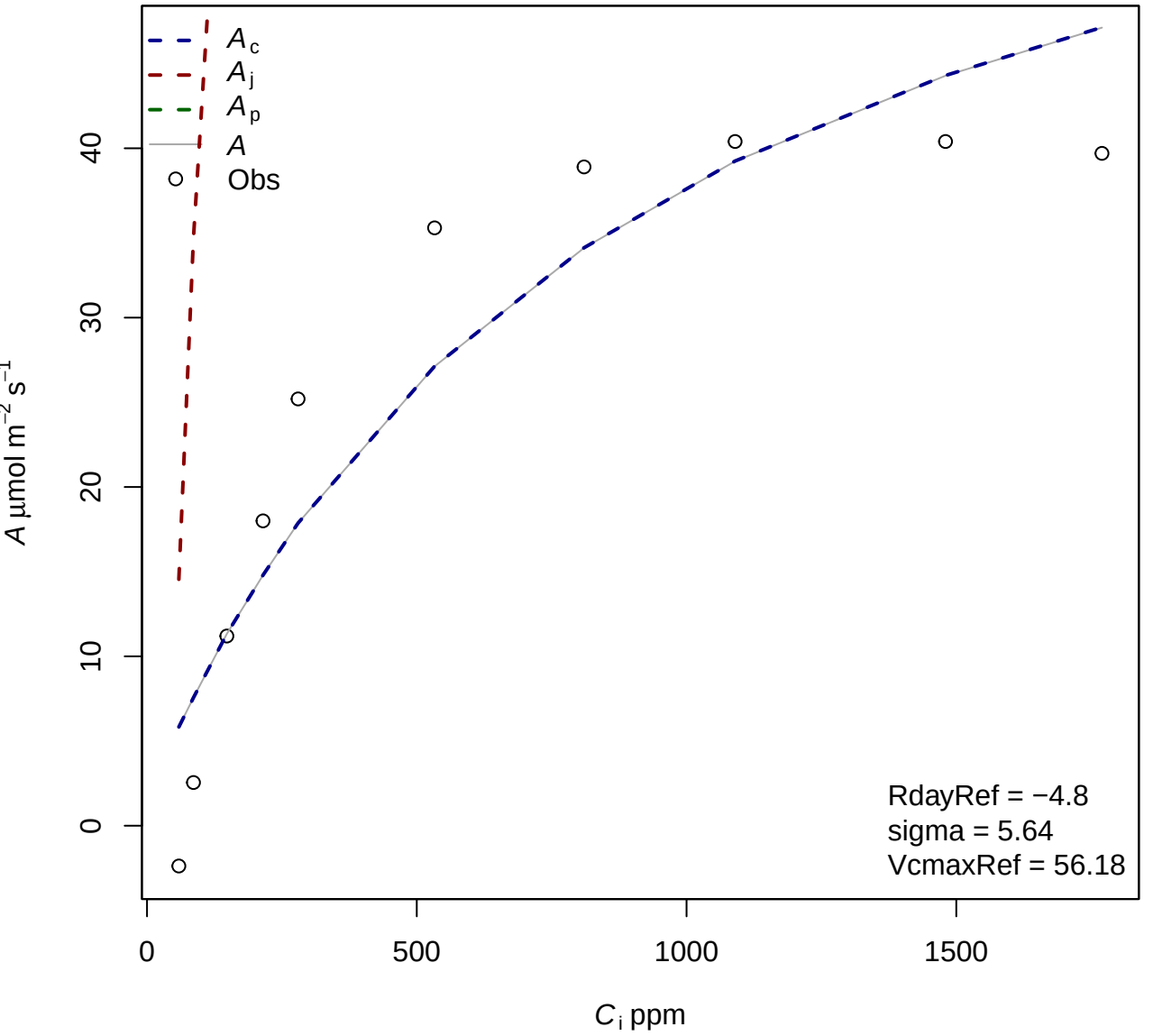

34
A_c
A_j
A_p
A
Obs
RdayRef = −5.38
sigma = 6.37
VcmaxRef = 60.17
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

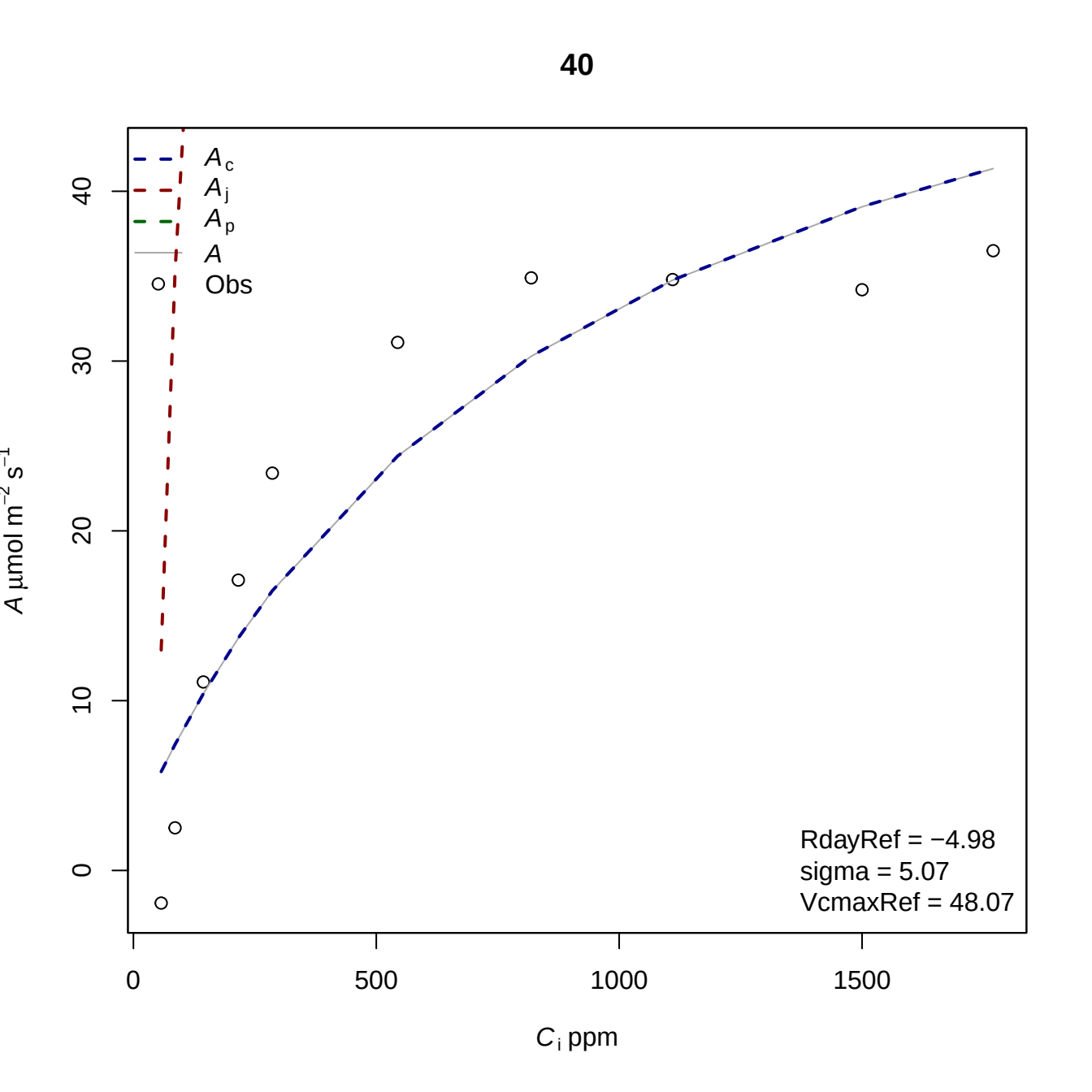

35
A_c
A_j
A_p
A
Obs
RdayRef = −5.43
sigma = 6.11
VcmaxRef = 63.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

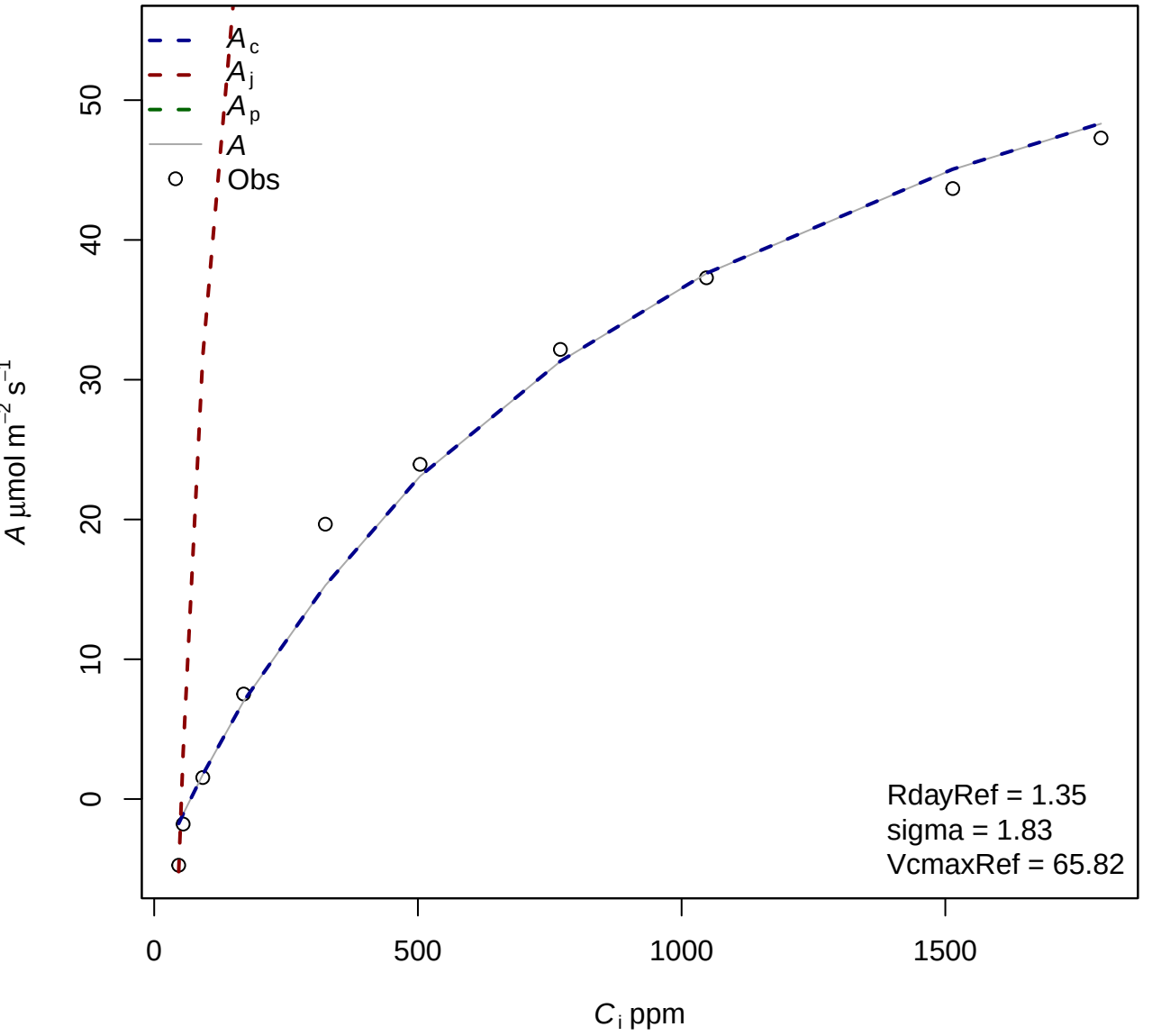

36
A_c
A_j
A_p
A
Obs
RdayRef = −5.08
sigma = 5.51
VcmaxRef = 57.6
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

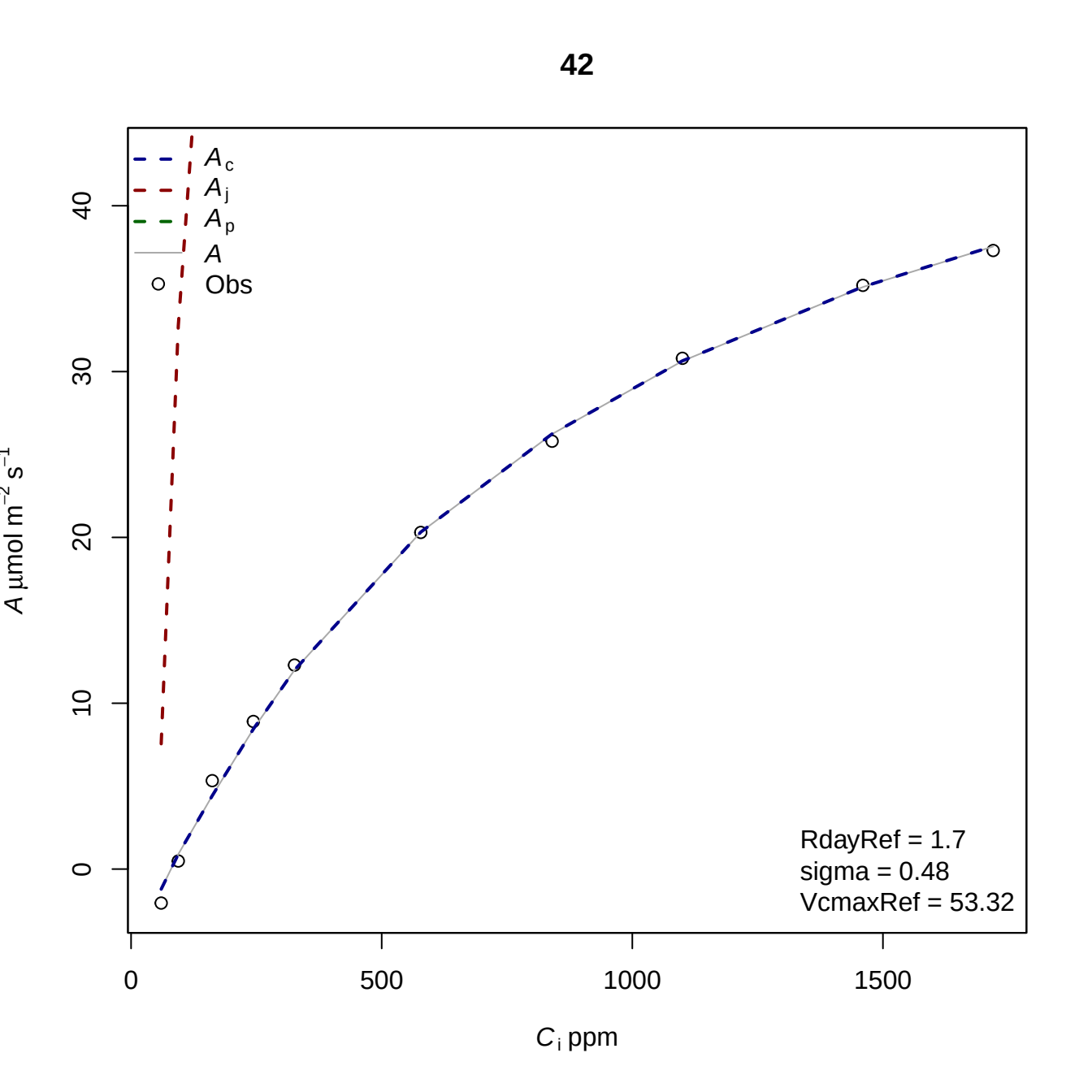

A_c
A_j
A_p
A
Obs
RdayRef = −1.6
sigma = 5.42
VcmaxRef = 56.79
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

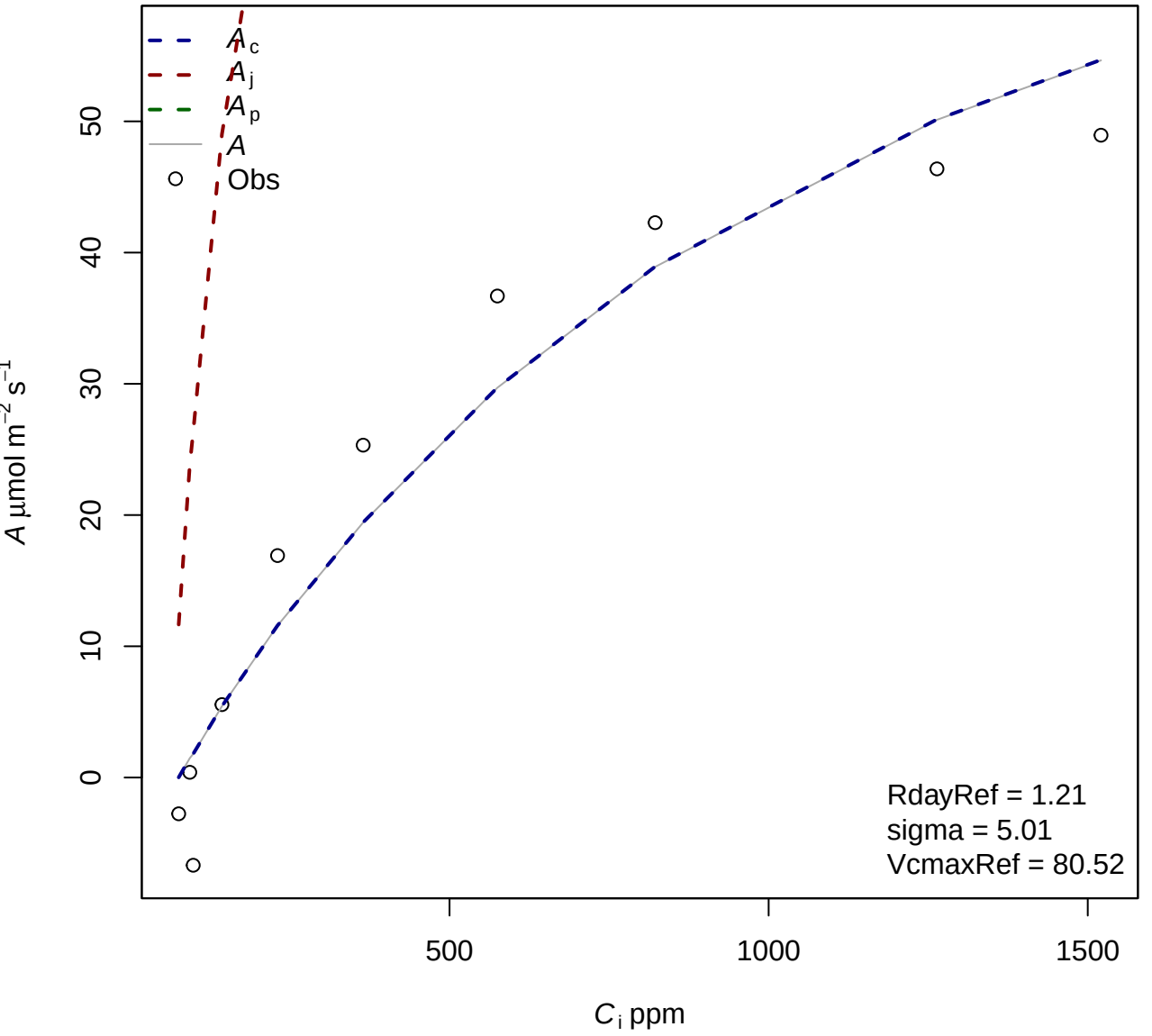

A_c
A_j
A_p
A
Obs
0
20
40
60
A µmol m^{-2} s^{-1}
500
1000
1500
C_i ppm
RdayRef = 11.35
sigma = 1.25
VcmaxRef = 101.49

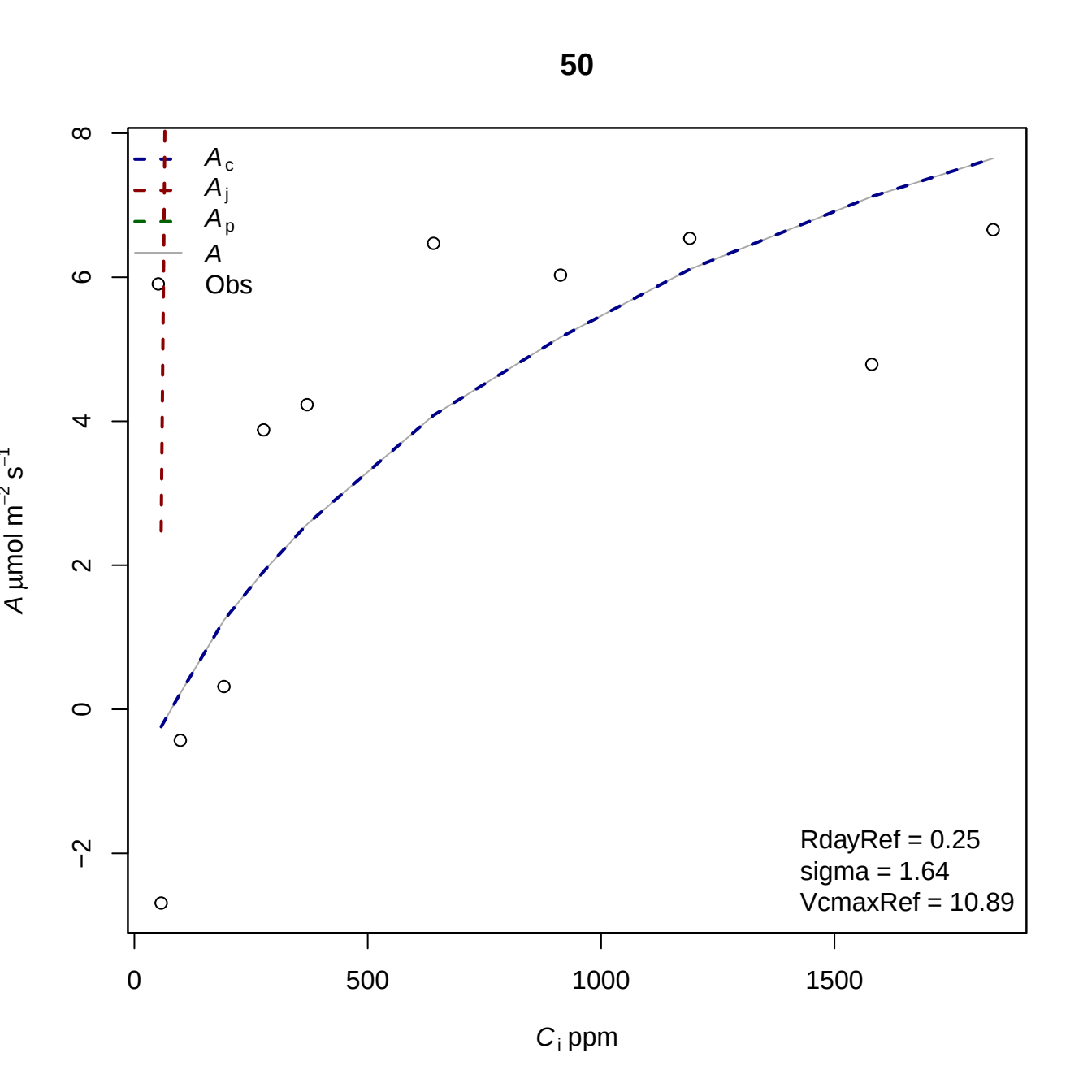

A_c
A_j
A_p
A
Obs
RdayRef = −4.8
sigma = 5.64
VcmaxRef = 56.18
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

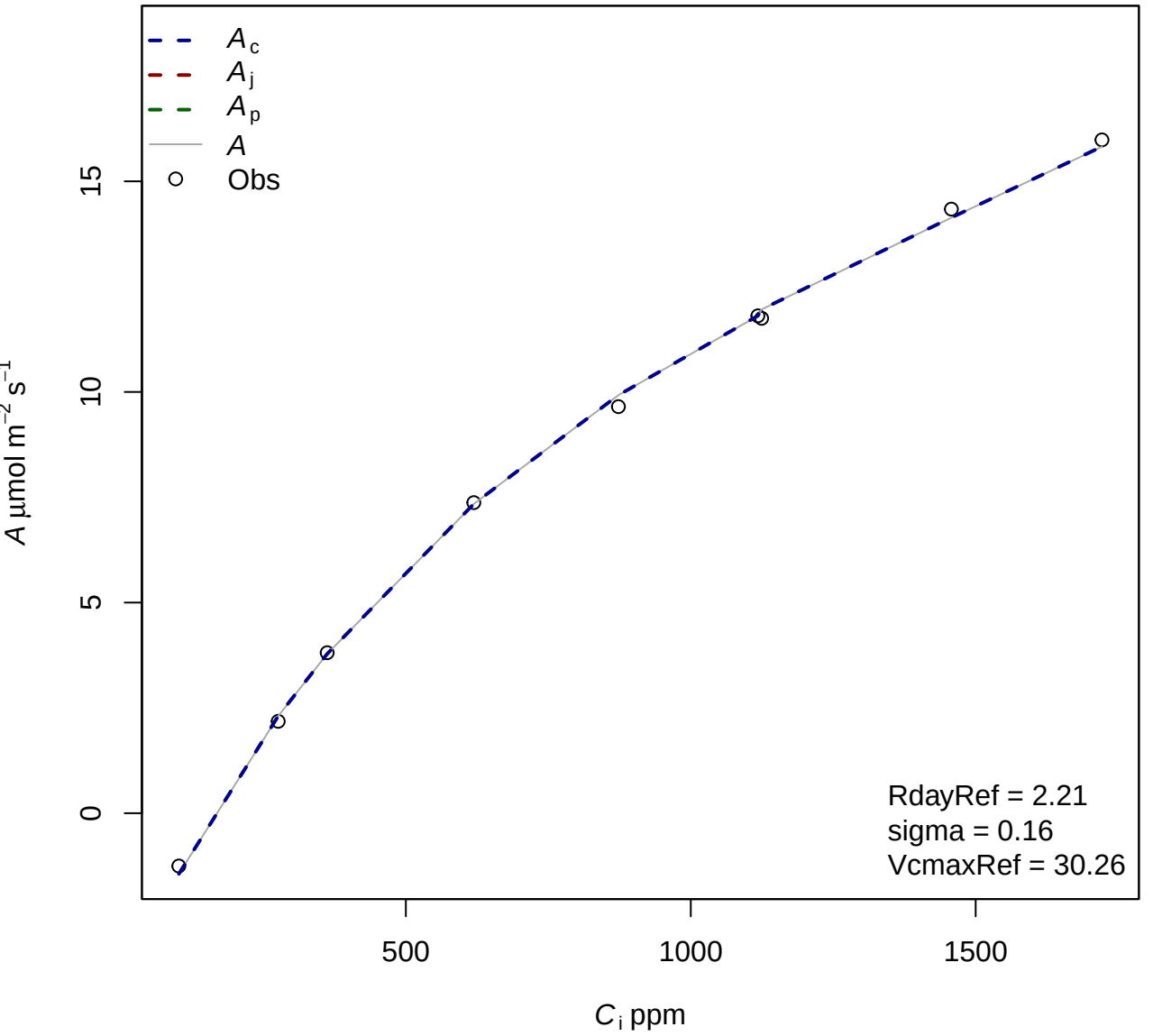

40
A_c
A_j
A_p
A
Obs
RdayRef = −4.98
sigma = 5.07
VcmaxRef = 48.07
0
10
20
30
40
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm

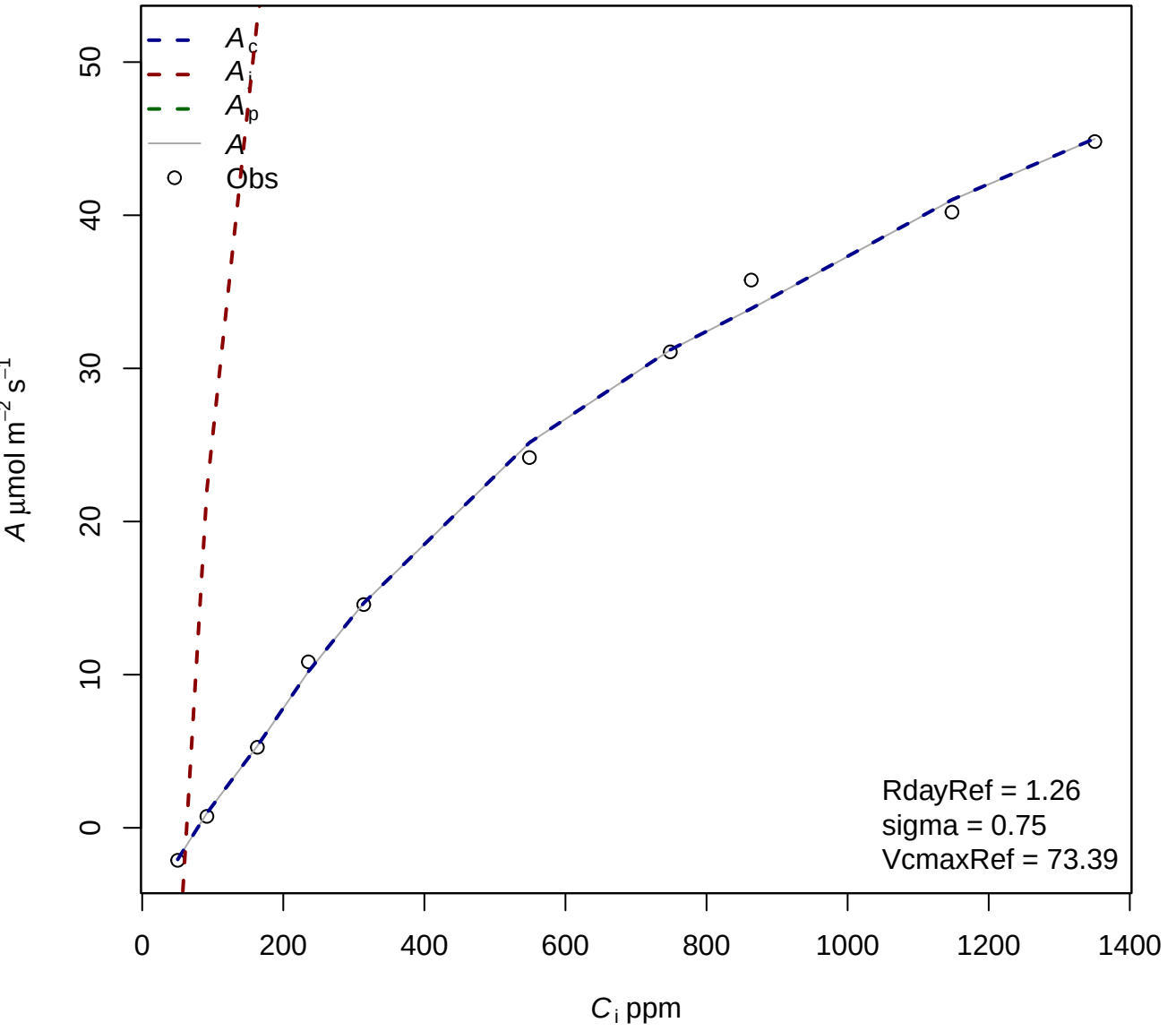

A_c
A_j
A_p
A
Obs
RdayRef = 1.35
sigma = 1.83
VcmaxRef = 65.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

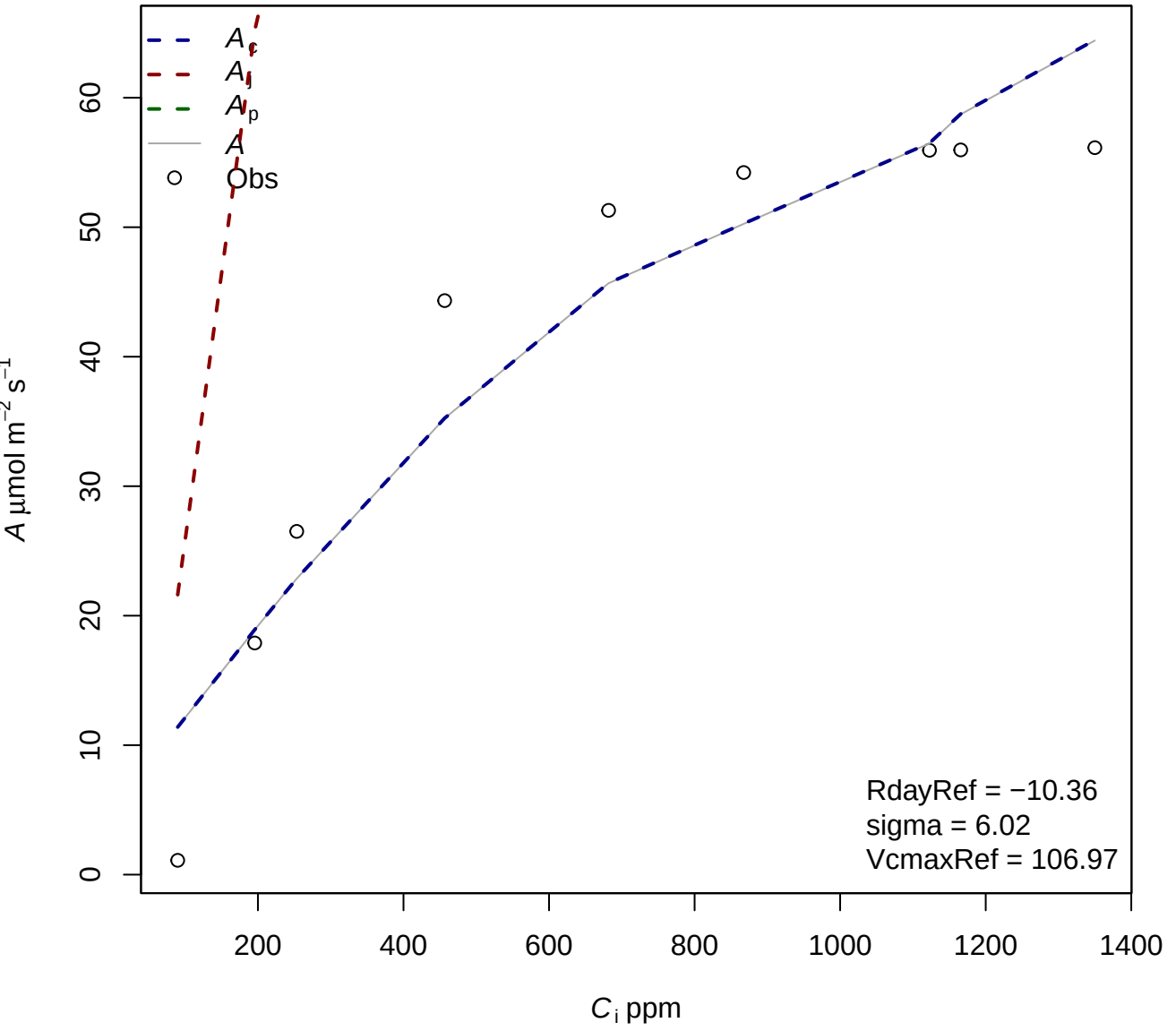

42
A_c
A_j
A_p
A
Obs
RdayRef = 1.7
sigma = 0.48
VcmaxRef = 53.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

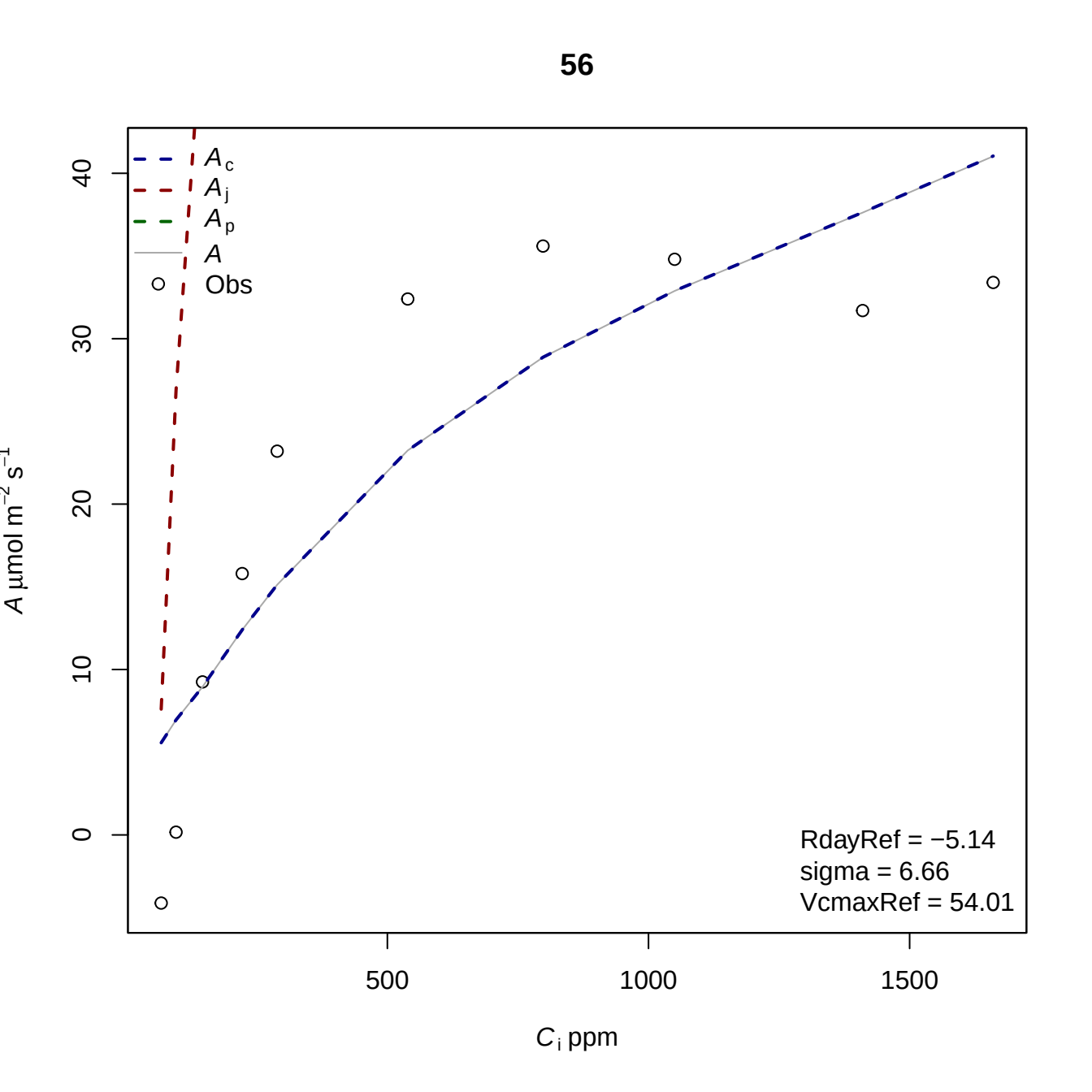

A_c
A_j
A_p
A
Obs
RdayRef = 1.21
sigma = 5.01
VcmaxRef = 80.52
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

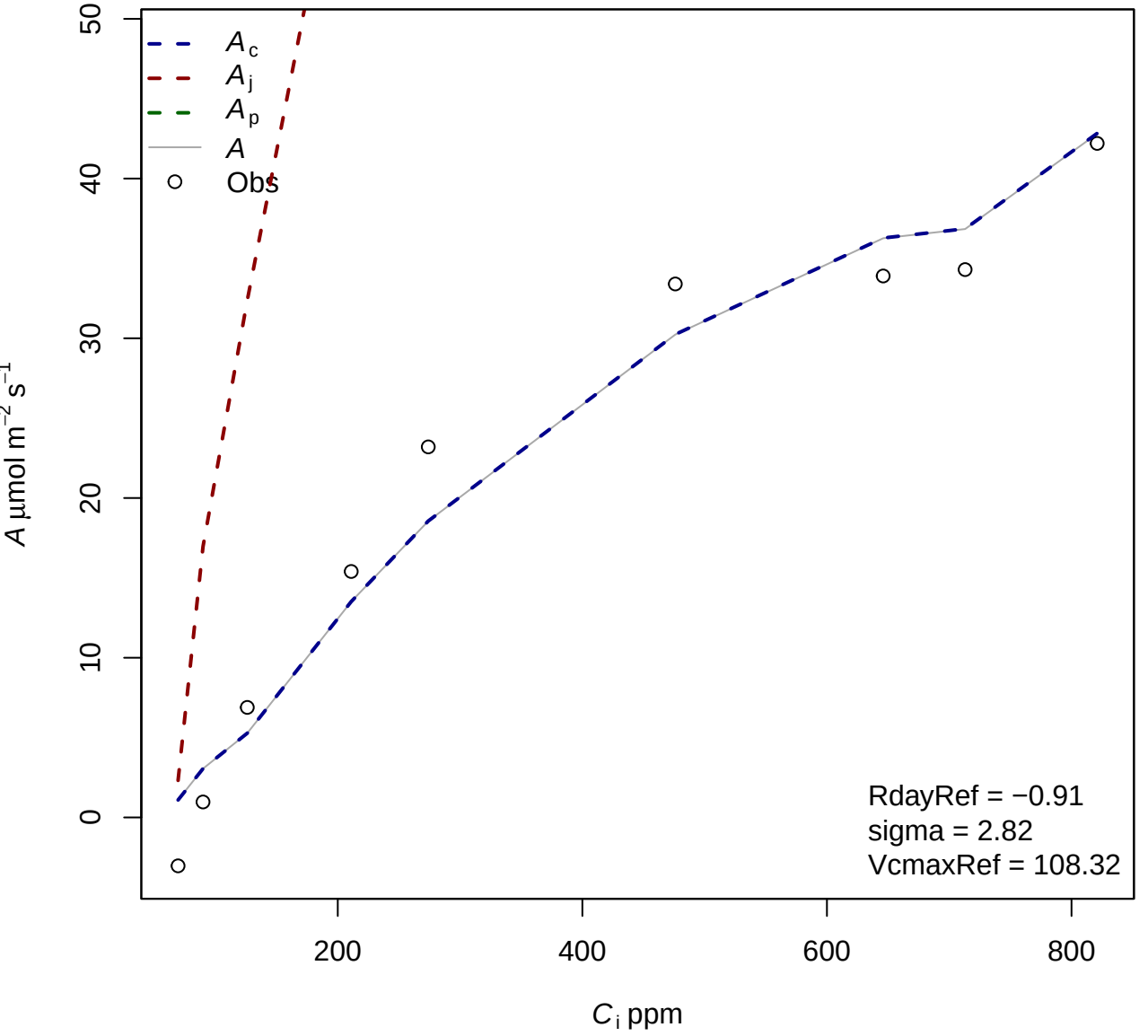

50
A_c
A_j
A_p
A
Obs
RdayRef = 0.25
sigma = 1.64
VcmaxRef = 10.89
A µmol m^{-2} s^{-1}
C_i ppm
8
6
4
2
0
−2
0
500
1000
1500

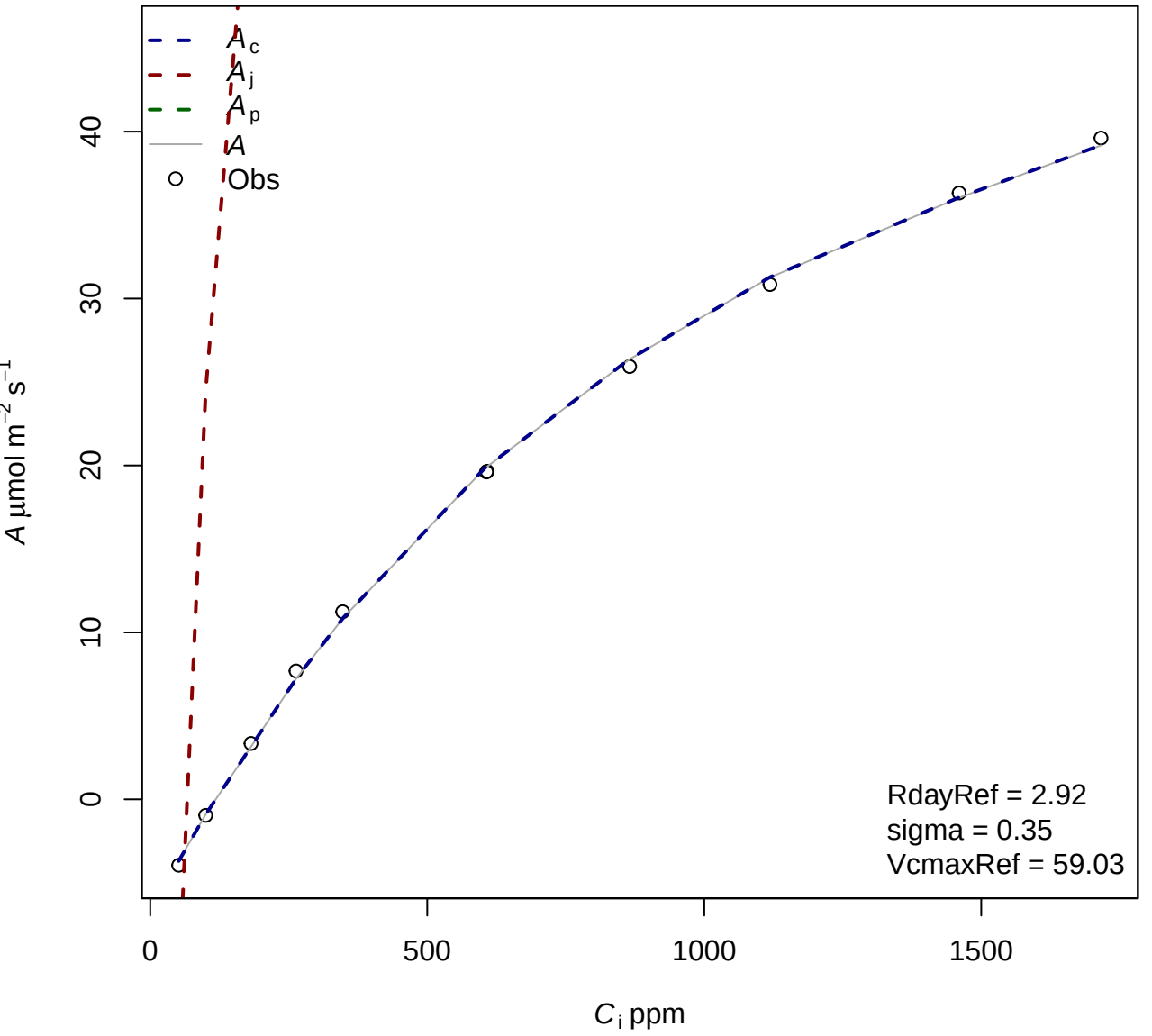

A_c
A_j
A_p
A
Obs
0
5
10
15
A µmol m^{-2} s^{-1}
500
1000
1500
C_i ppm
RdayRef = 2.21
sigma = 0.16
VcmaxRef = 30.26

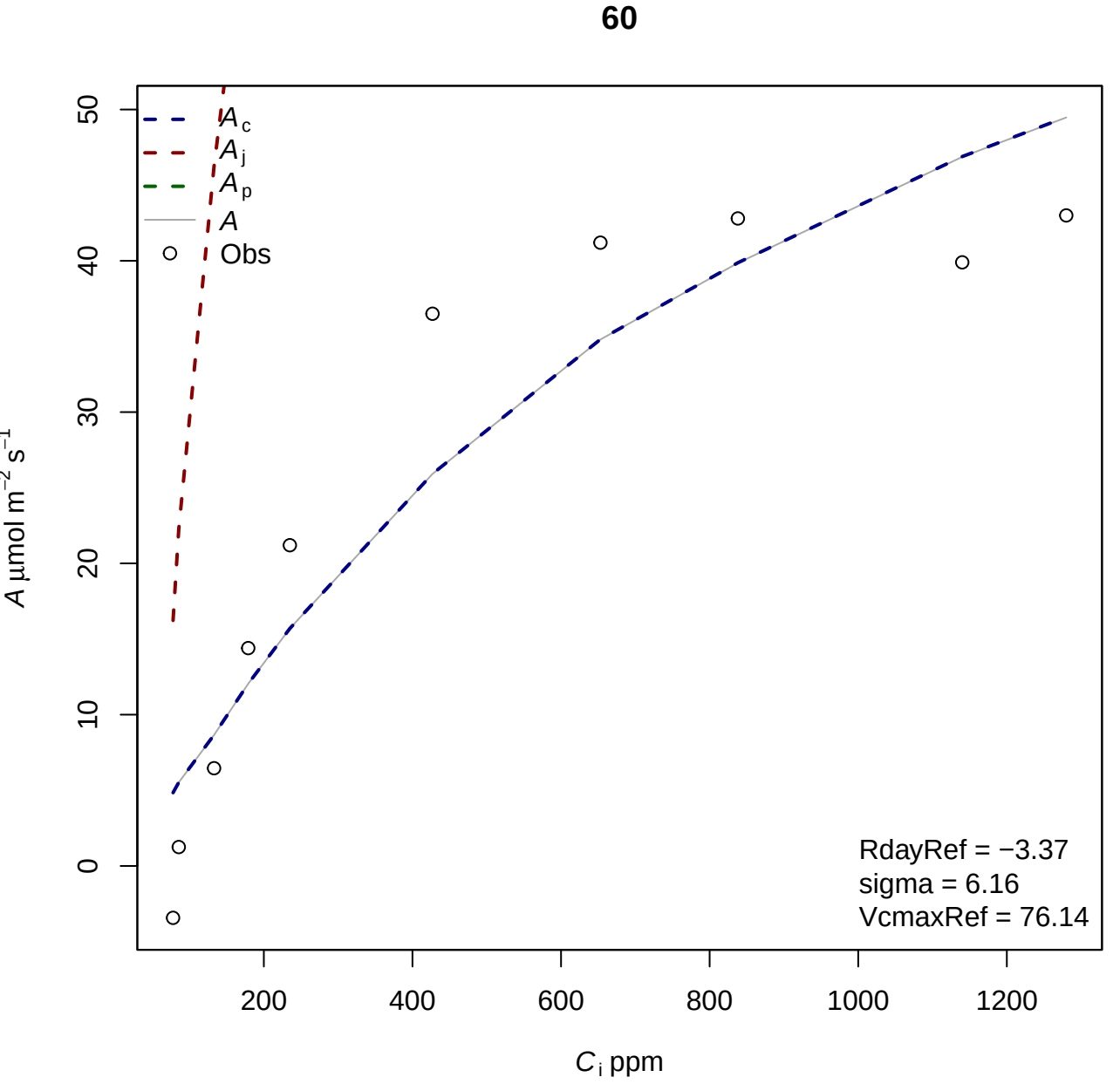

A_c
A_j
A_p
A
Obs
RdayRef = 1.26
sigma = 0.75
VcmaxRef = 73.39
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
200
400
600
800
1000
1200
1400

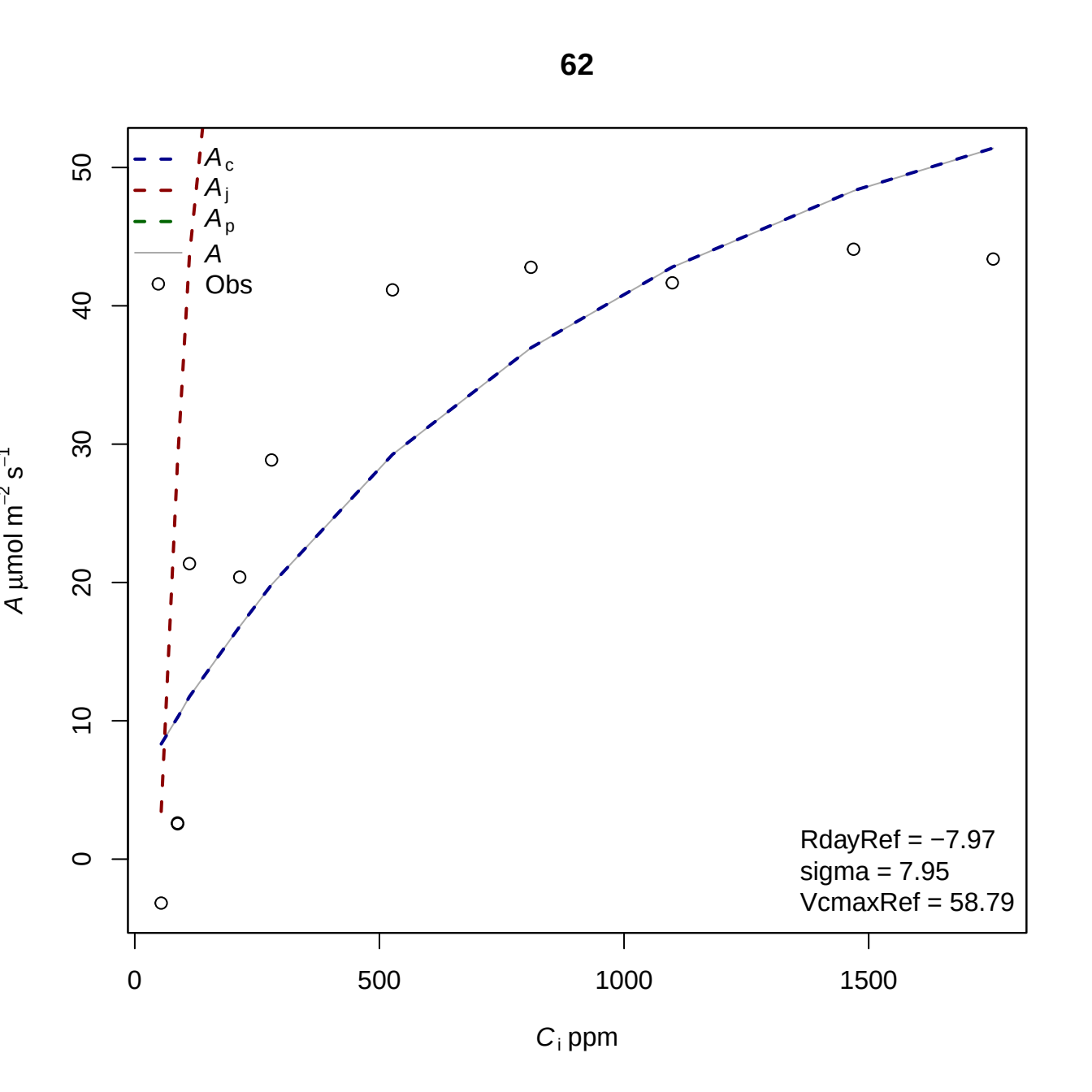

A_c
A_j
A_p
A
Obs
RdayRef = −10.36
sigma = 6.02
VcmaxRef = 106.97
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

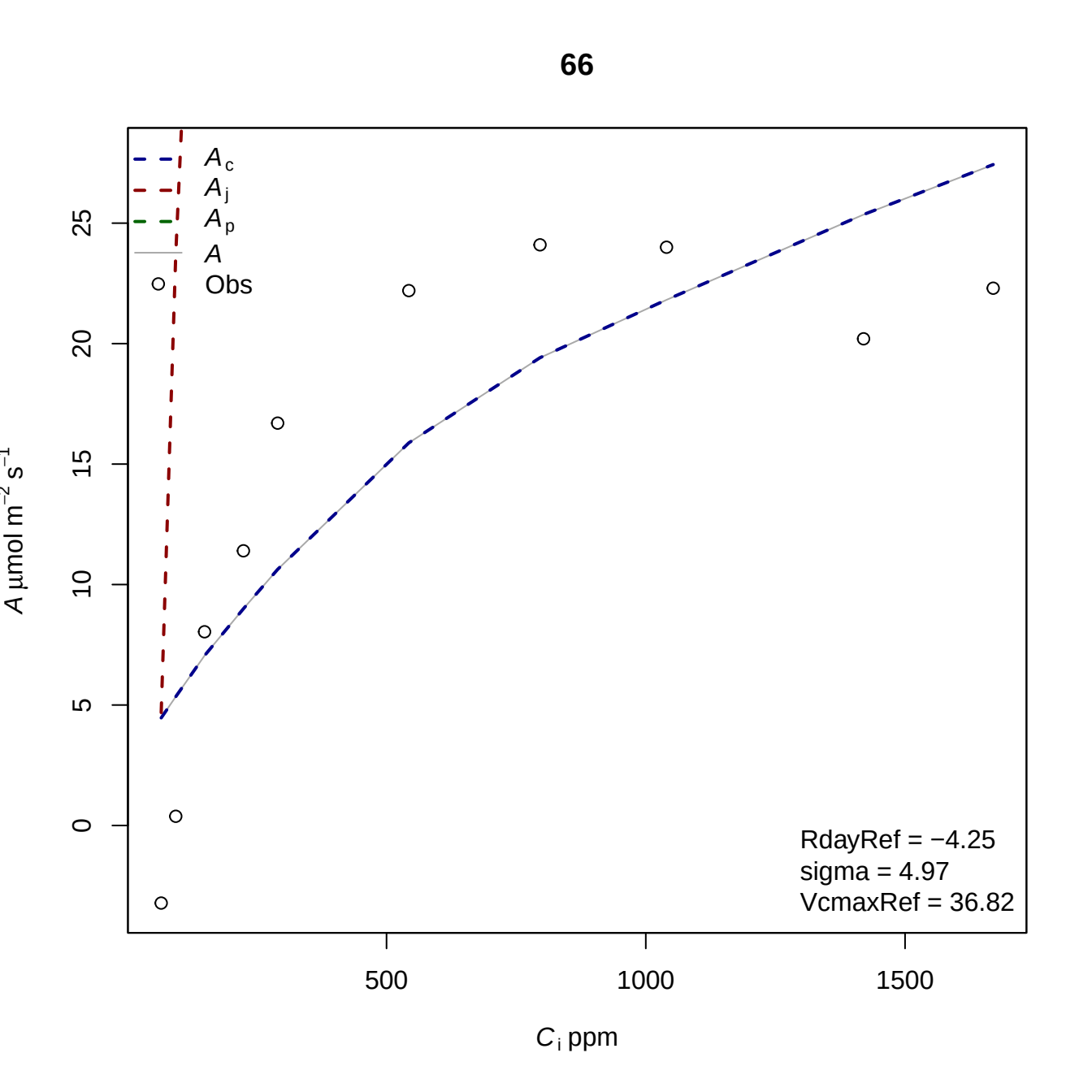

56
A_c
A_j
A_p
A
Obs
RdayRef = −5.14
sigma = 6.66
VcmaxRef = 54.01
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

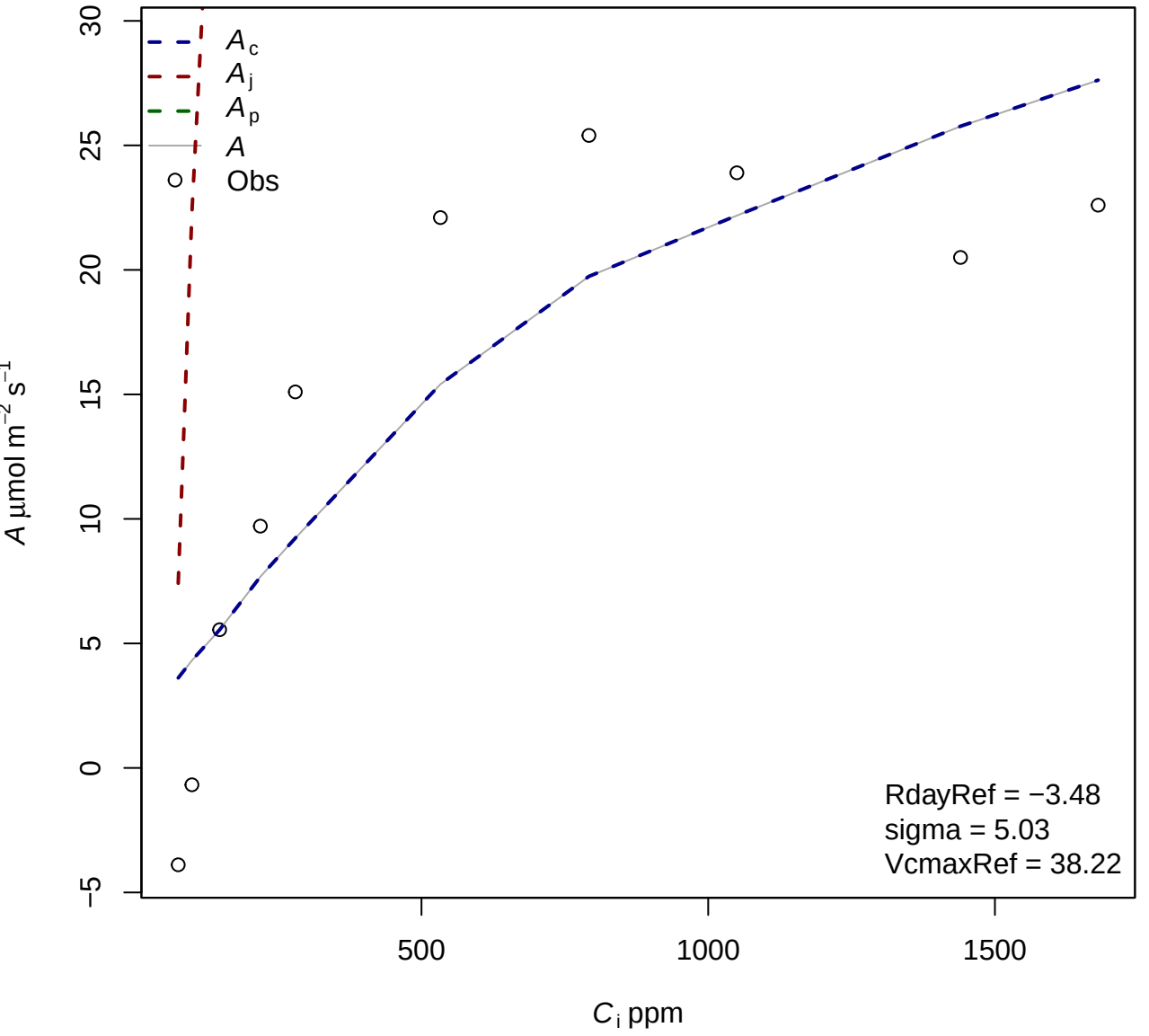

A_c
A_j
A_p
A
Obs
RdayRef = −0.91
sigma = 2.82
VcmaxRef = 108.32
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800

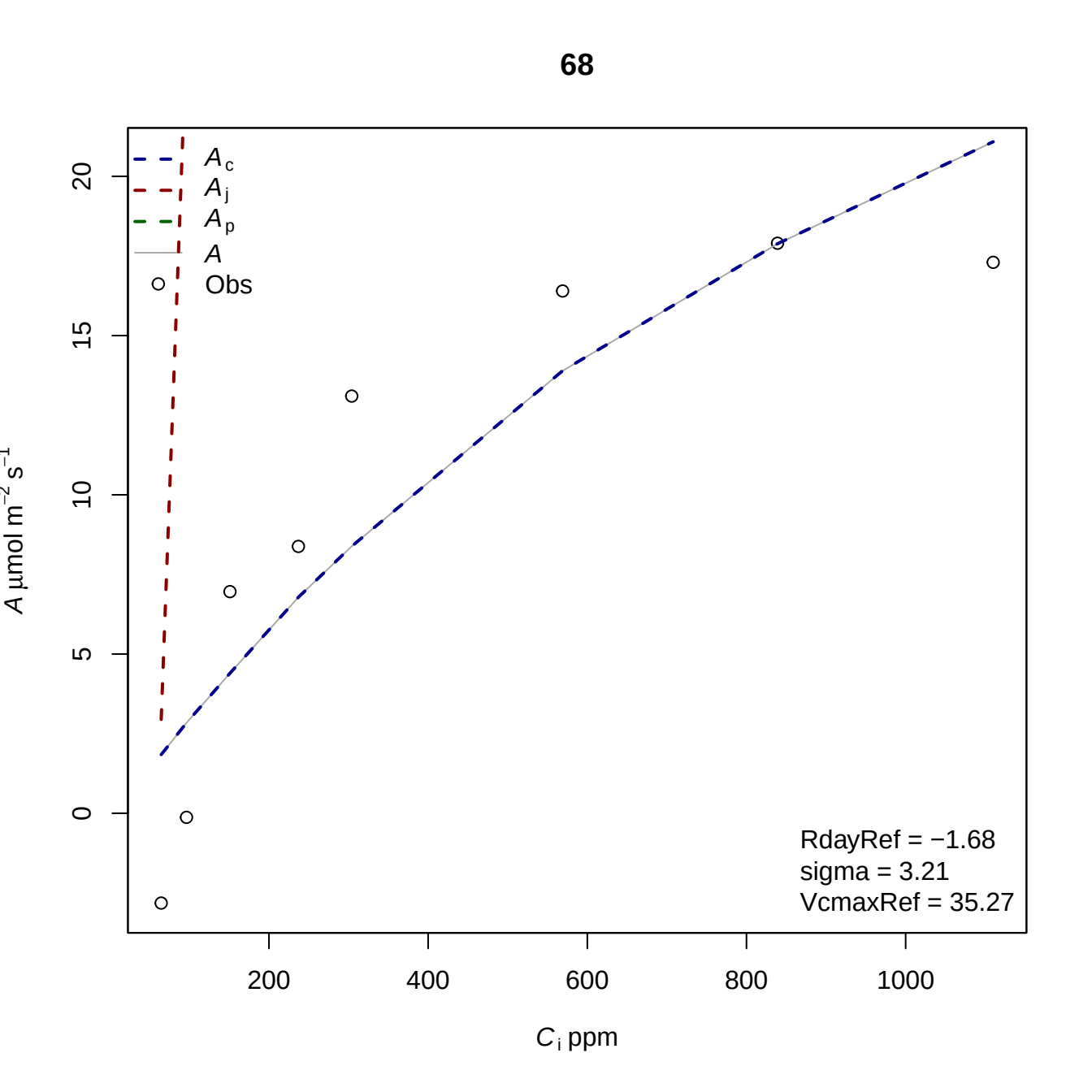

A_c
A_j
A_p
A
Obs
RdayRef = 2.92
sigma = 0.35
VcmaxRef = 59.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

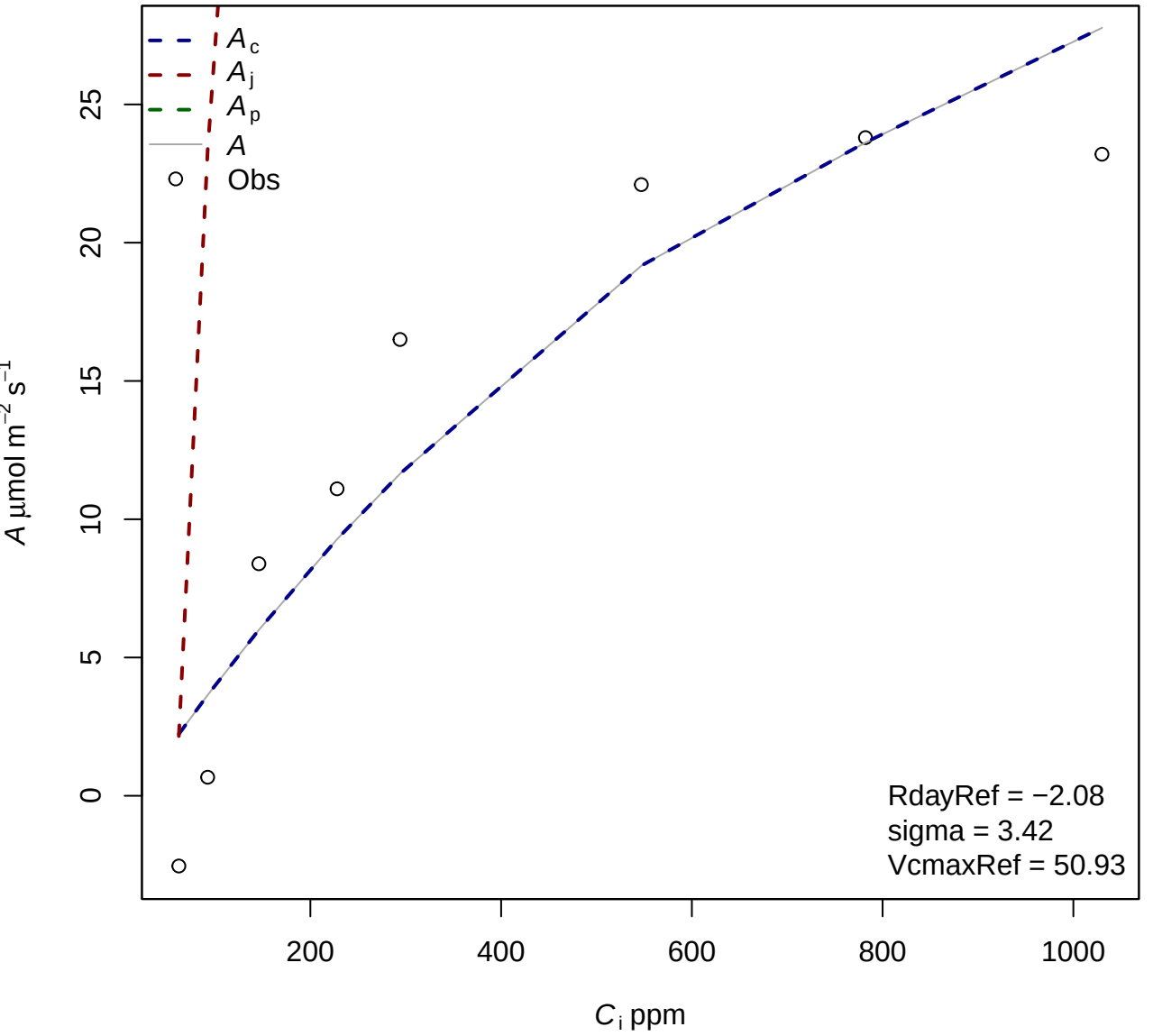

60
A_c
A_j
A_p
A
Obs
RdayRef = −3.37
sigma = 6.16
VcmaxRef = 76.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

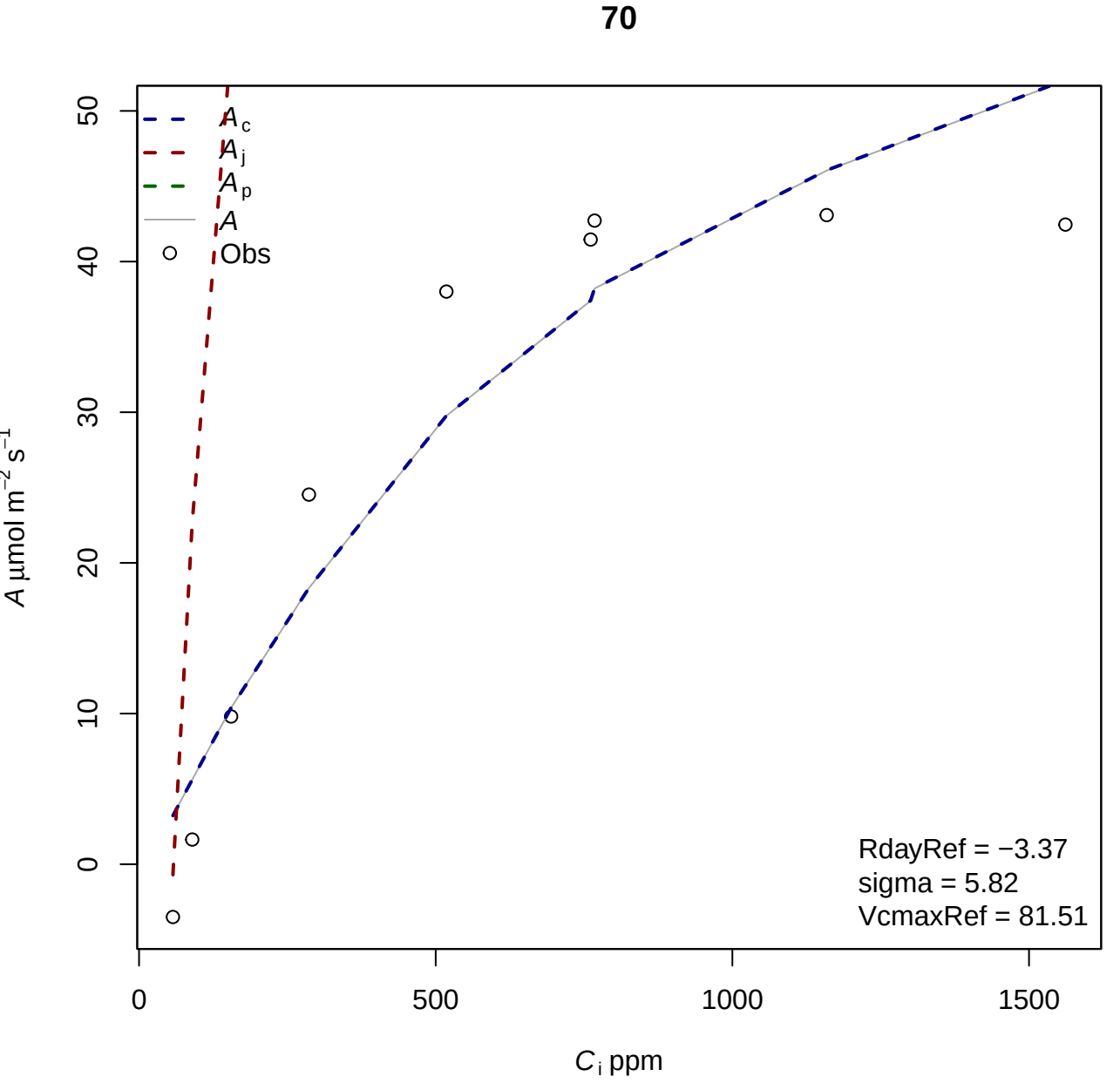

62
A_c
A_j
A_p
A
Obs
RdayRef = −7.97
sigma = 7.95
VcmaxRef = 58.79
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

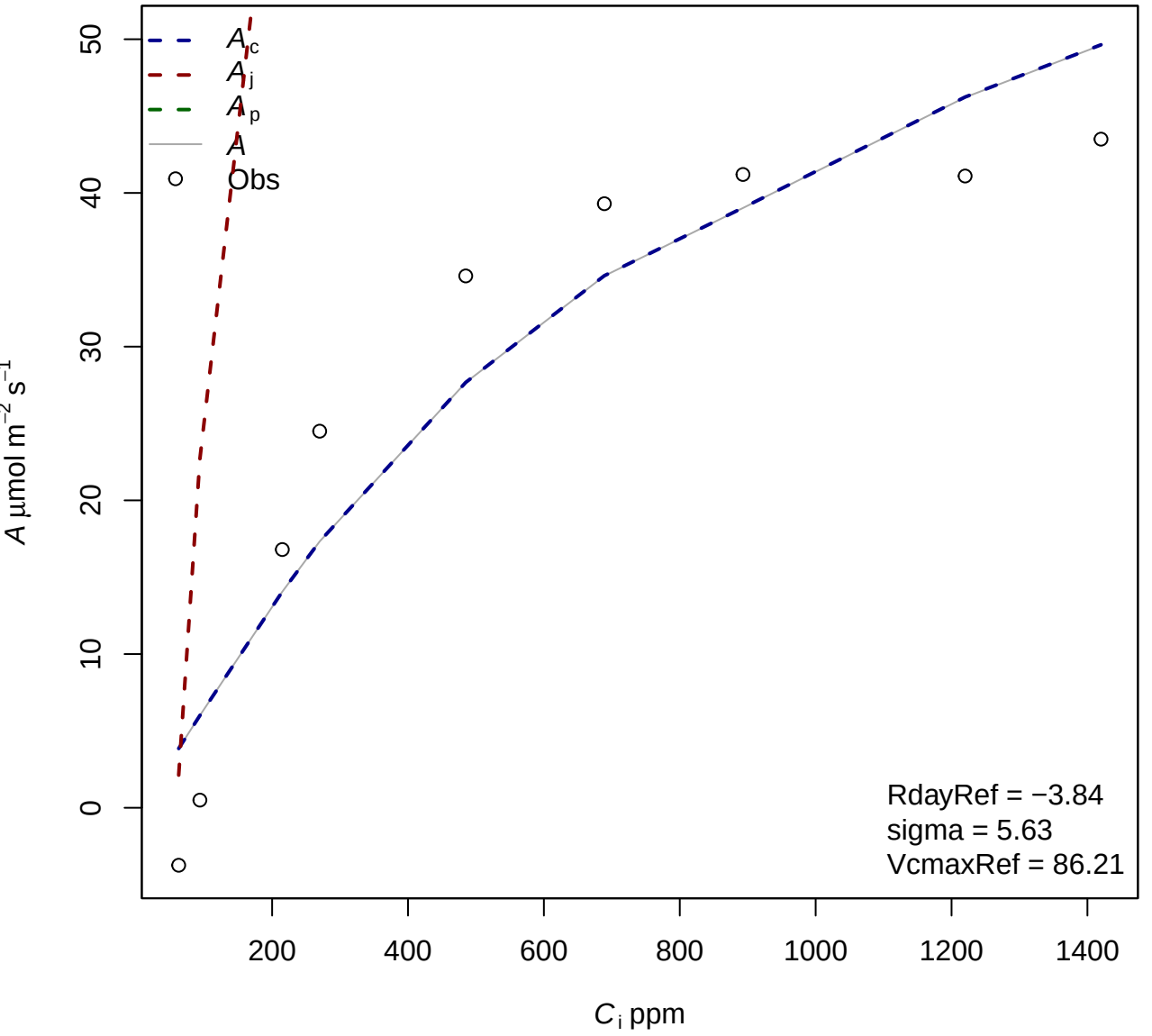

66
A_c
A_j
A_p
A
Obs
RdayRef = −4.25
sigma = 4.97
VcmaxRef = 36.82
0
5
10
15
20
25
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

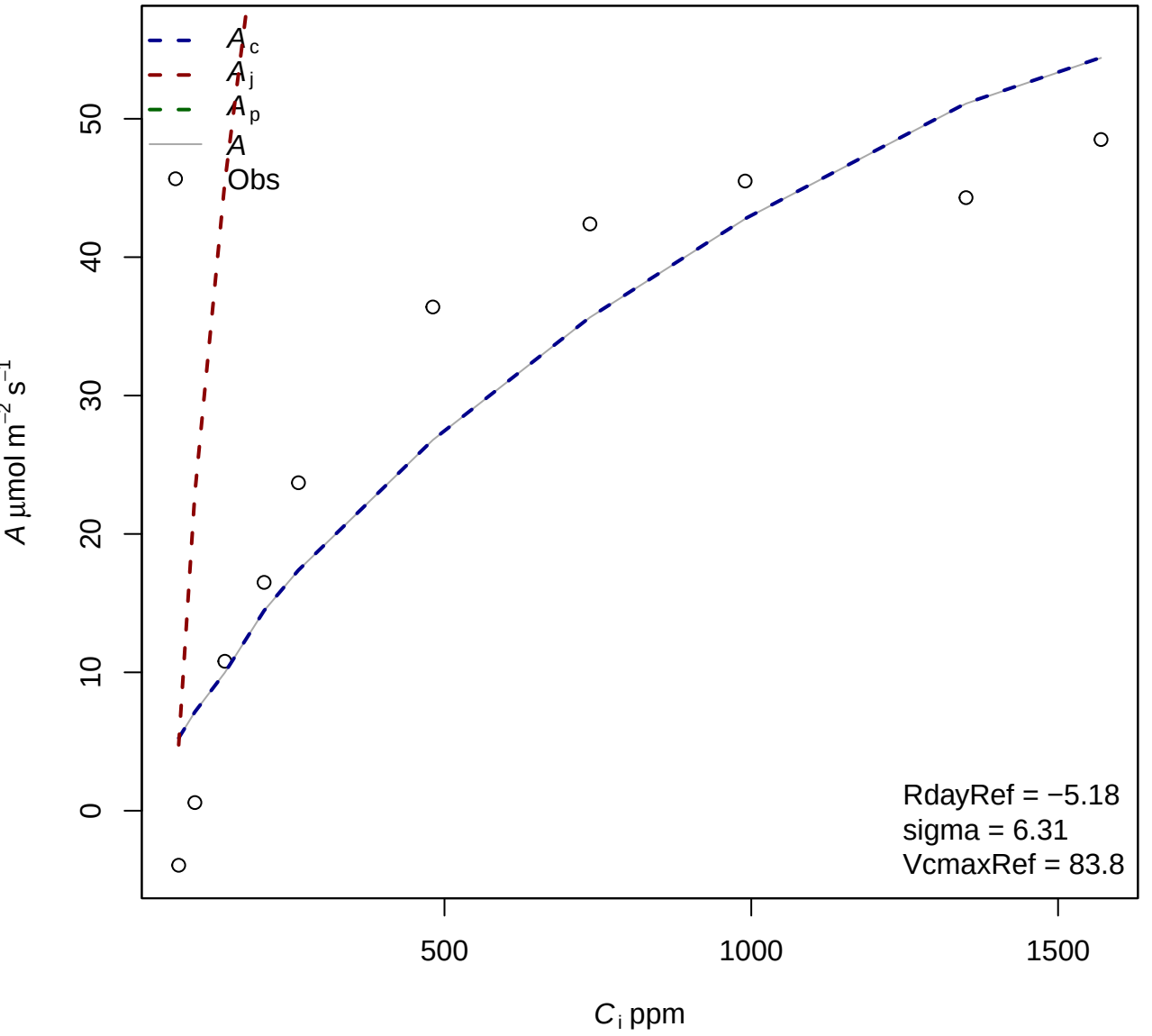

A_c
A_j
A_p
A
Obs
RdayRef = −3.48
sigma = 5.03
VcmaxRef = 38.22
30
25
20
15
10
5
0
−5
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

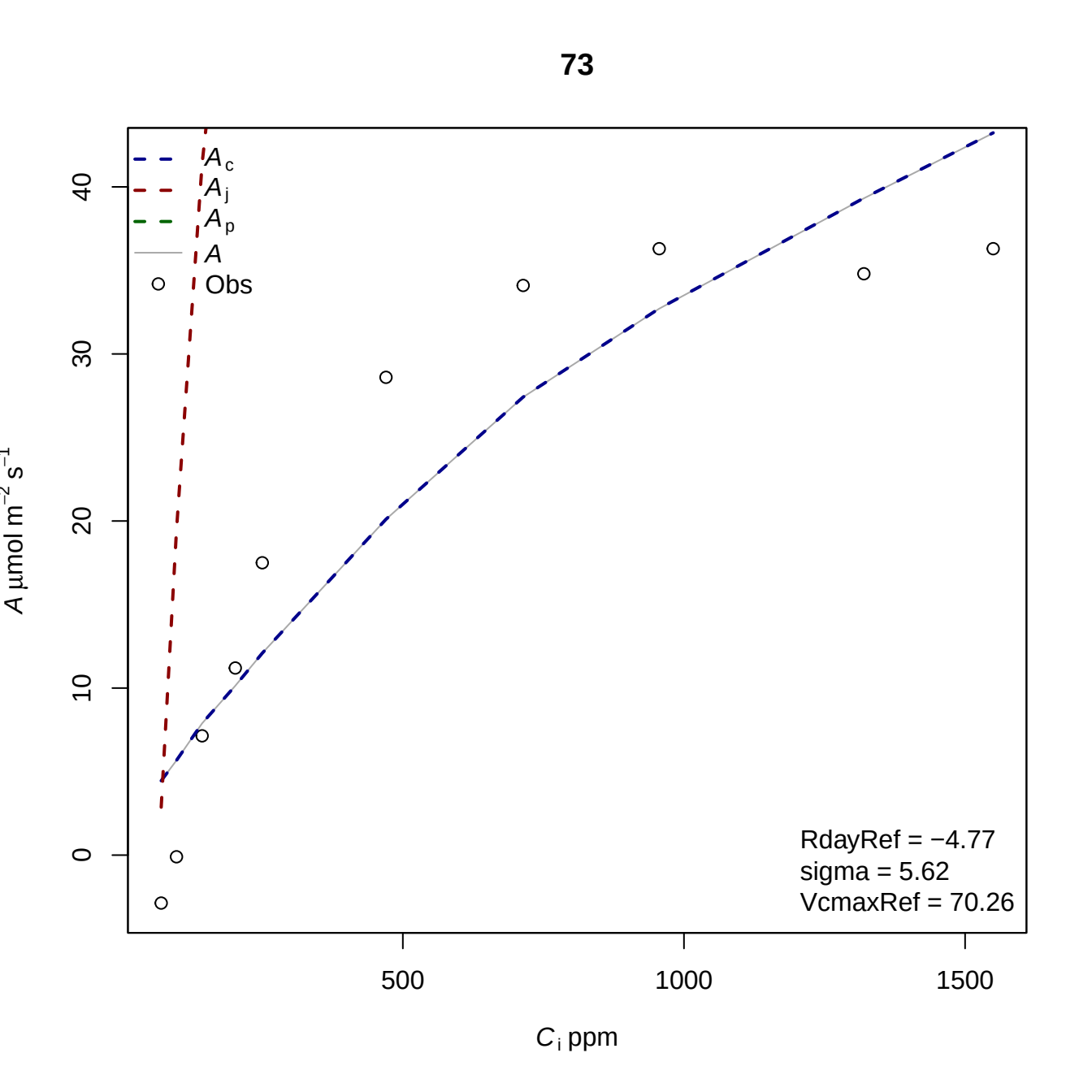

68
A_c
A_j
A_p
A
Obs
RdayRef = −1.68
sigma = 3.21
VcmaxRef = 35.27
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
200
400
600
800
1000

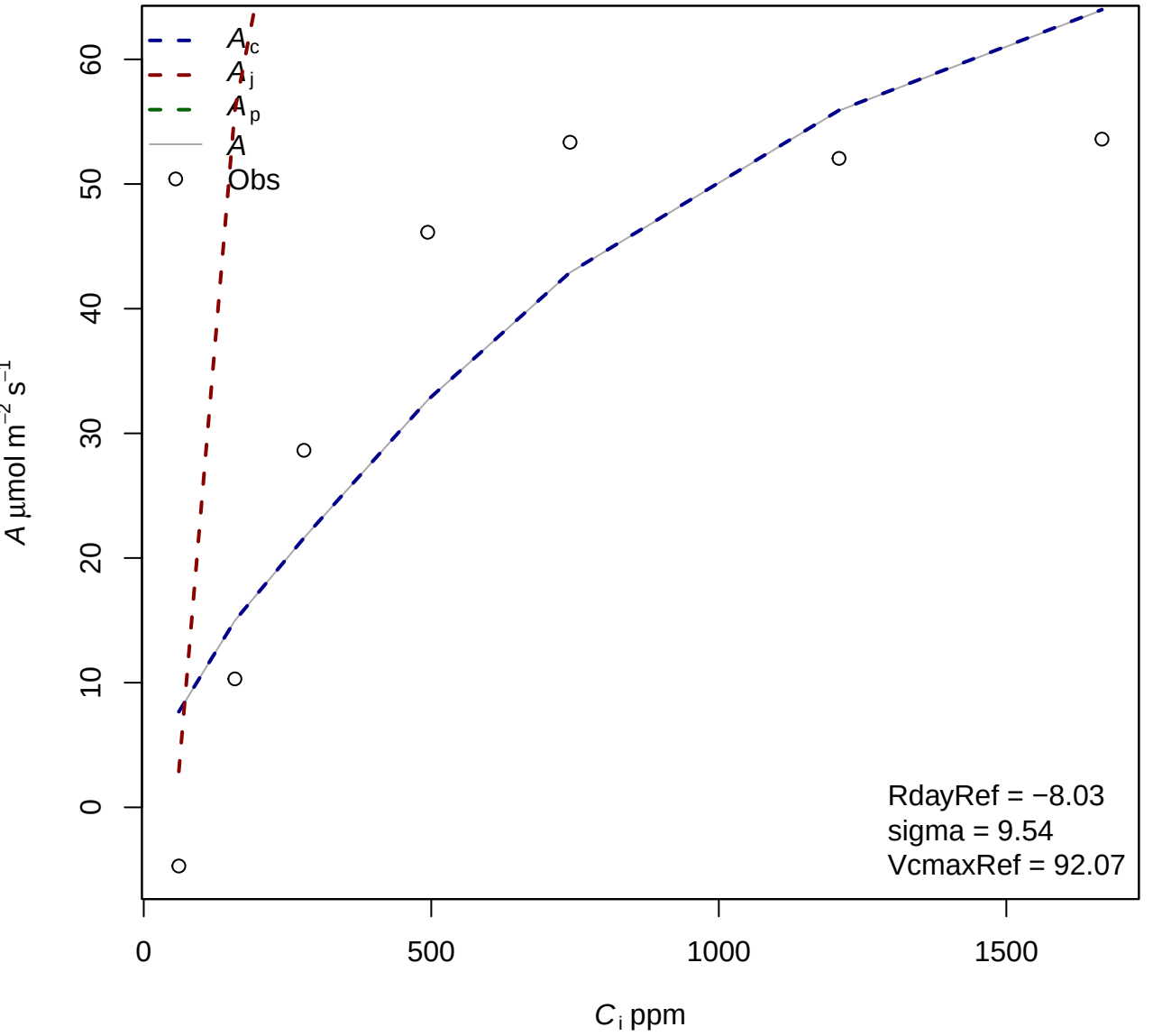

A_c
A_j
A_p
A
Obs
RdayRef = −2.08
sigma = 3.42
VcmaxRef = 50.93
0
5
10
15
20
25
200
400
600
800
1000
A µmol m^{-2} s^{-1}
C_i ppm

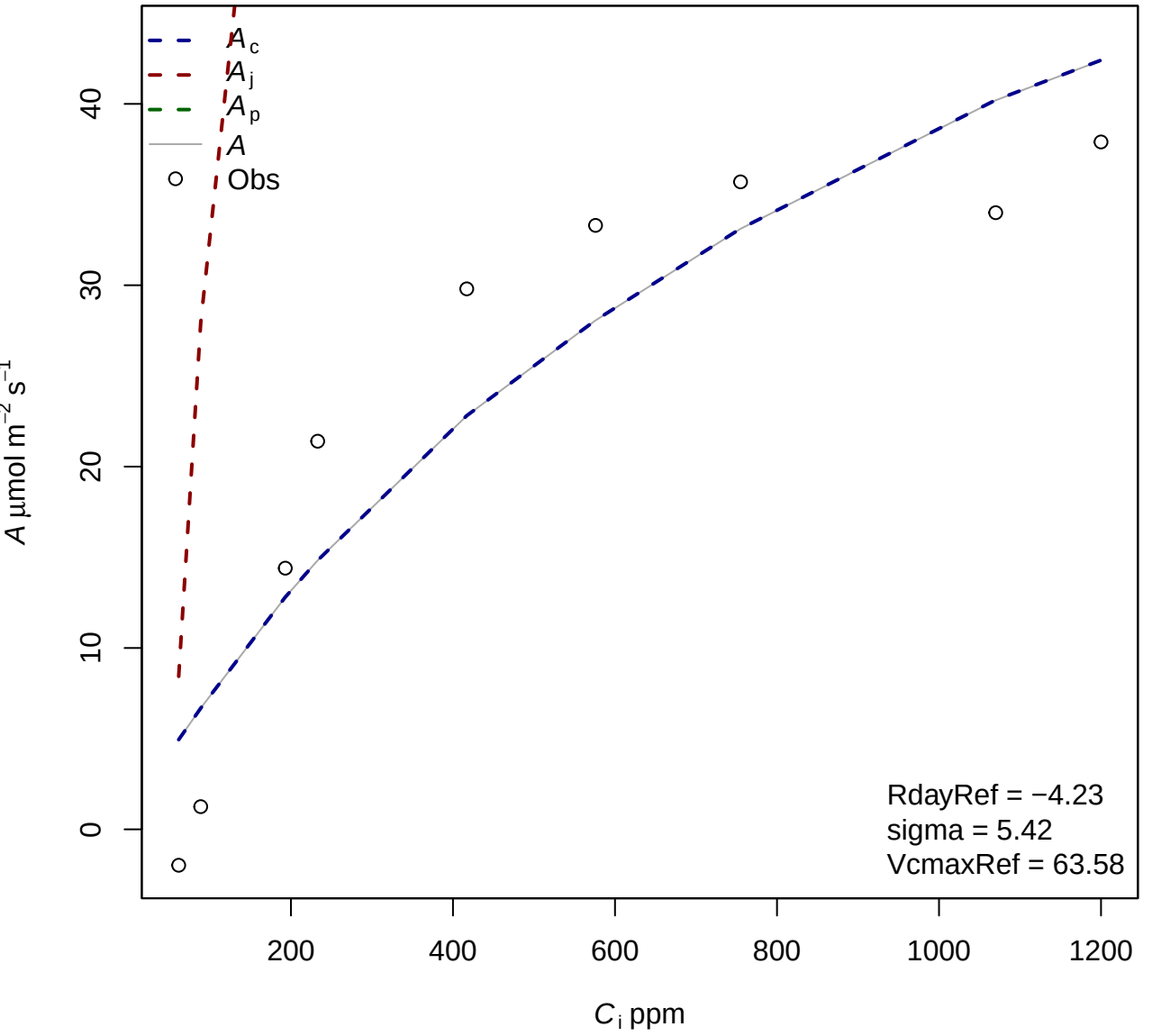

70
A_c
A_j
A_p
A
Obs
RdayRef = −3.37
sigma = 5.82
VcmaxRef = 81.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

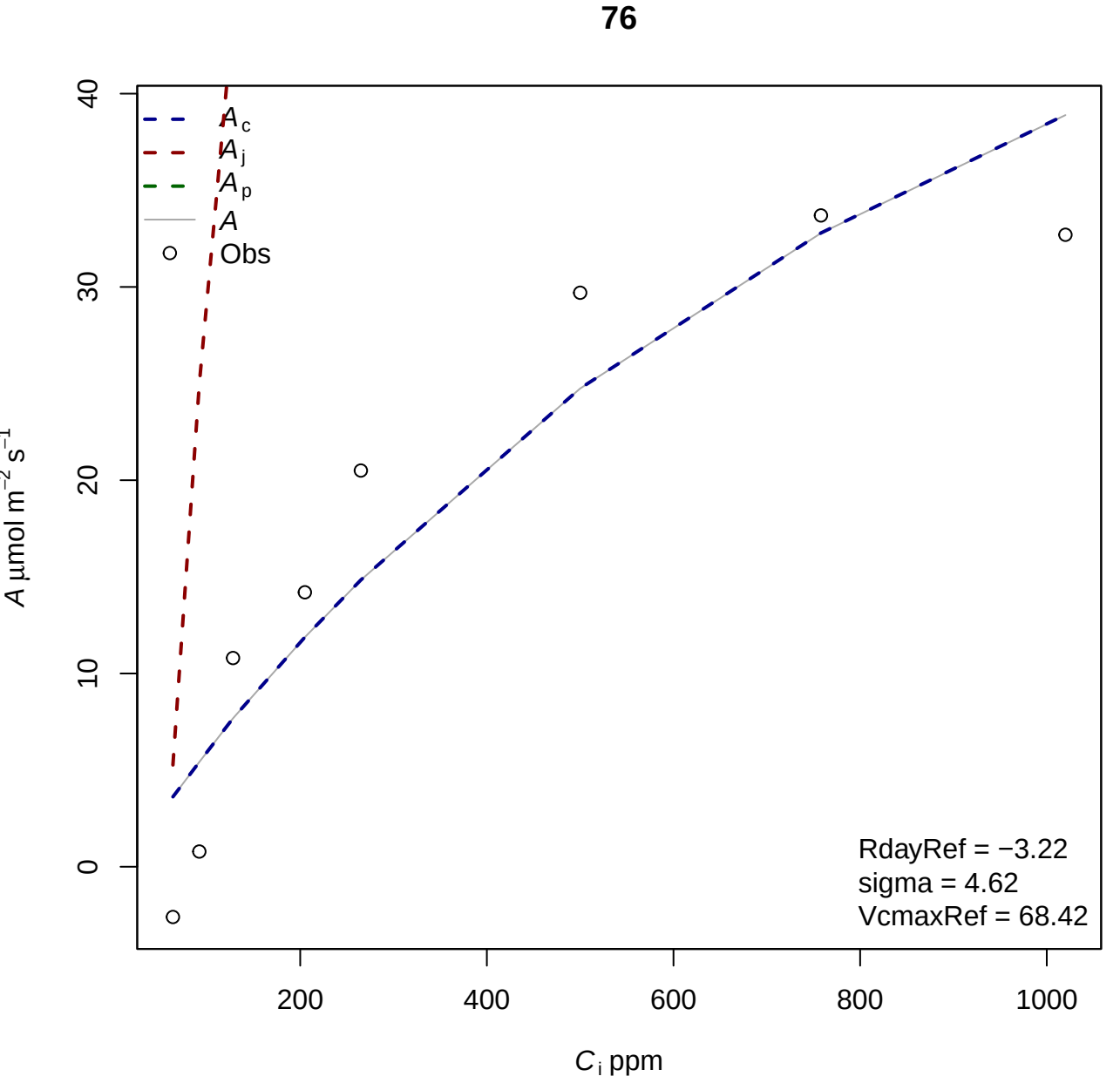

A_c
A_j
A_p
A
Obs
RdayRef = −3.84
sigma = 5.63
VcmaxRef = 86.21
0
10
20
30
40
50
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

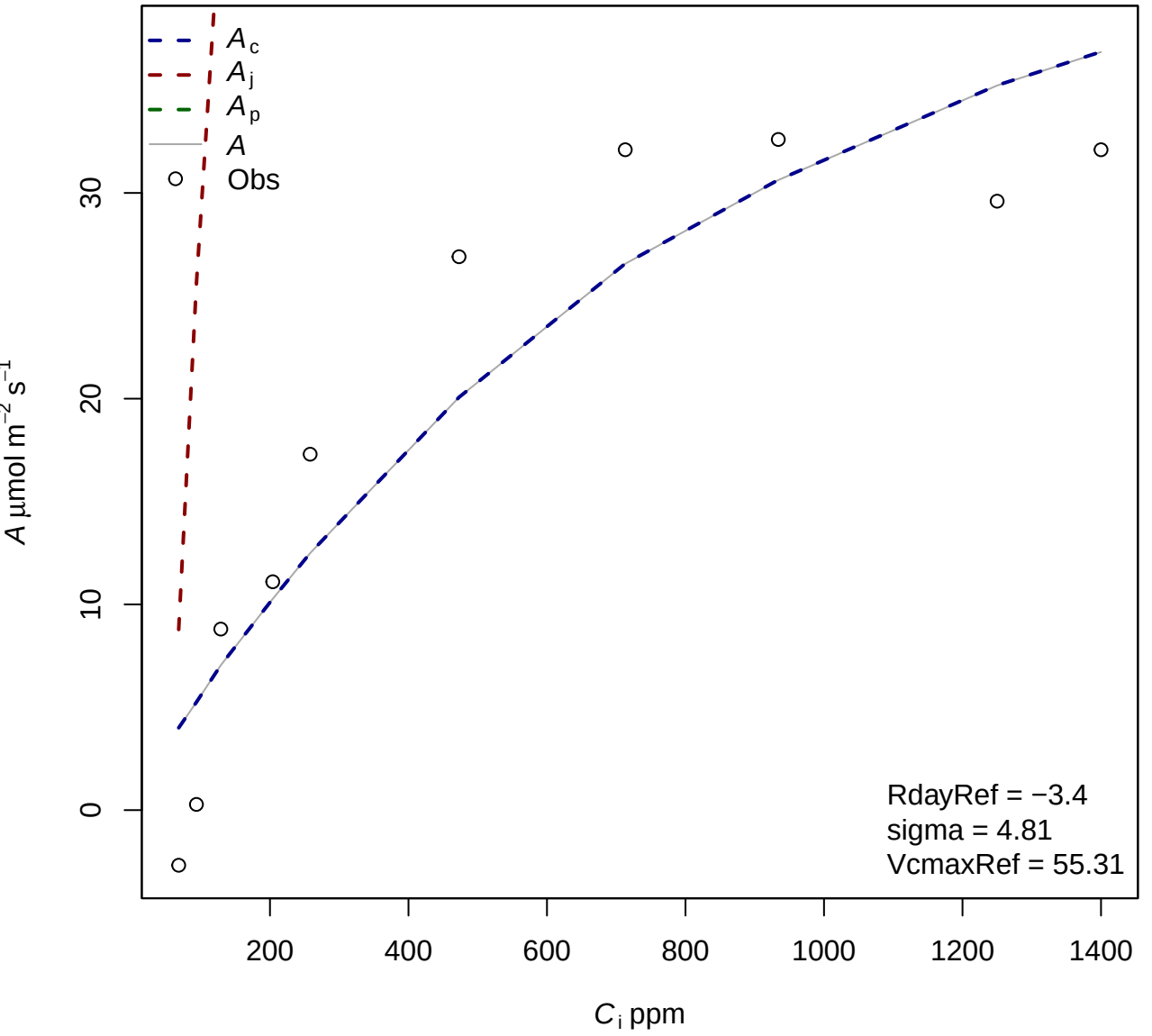

A_c
A_j
A_p
A
Obs
RdayRef = −5.18
sigma = 6.31
VcmaxRef = 83.8
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

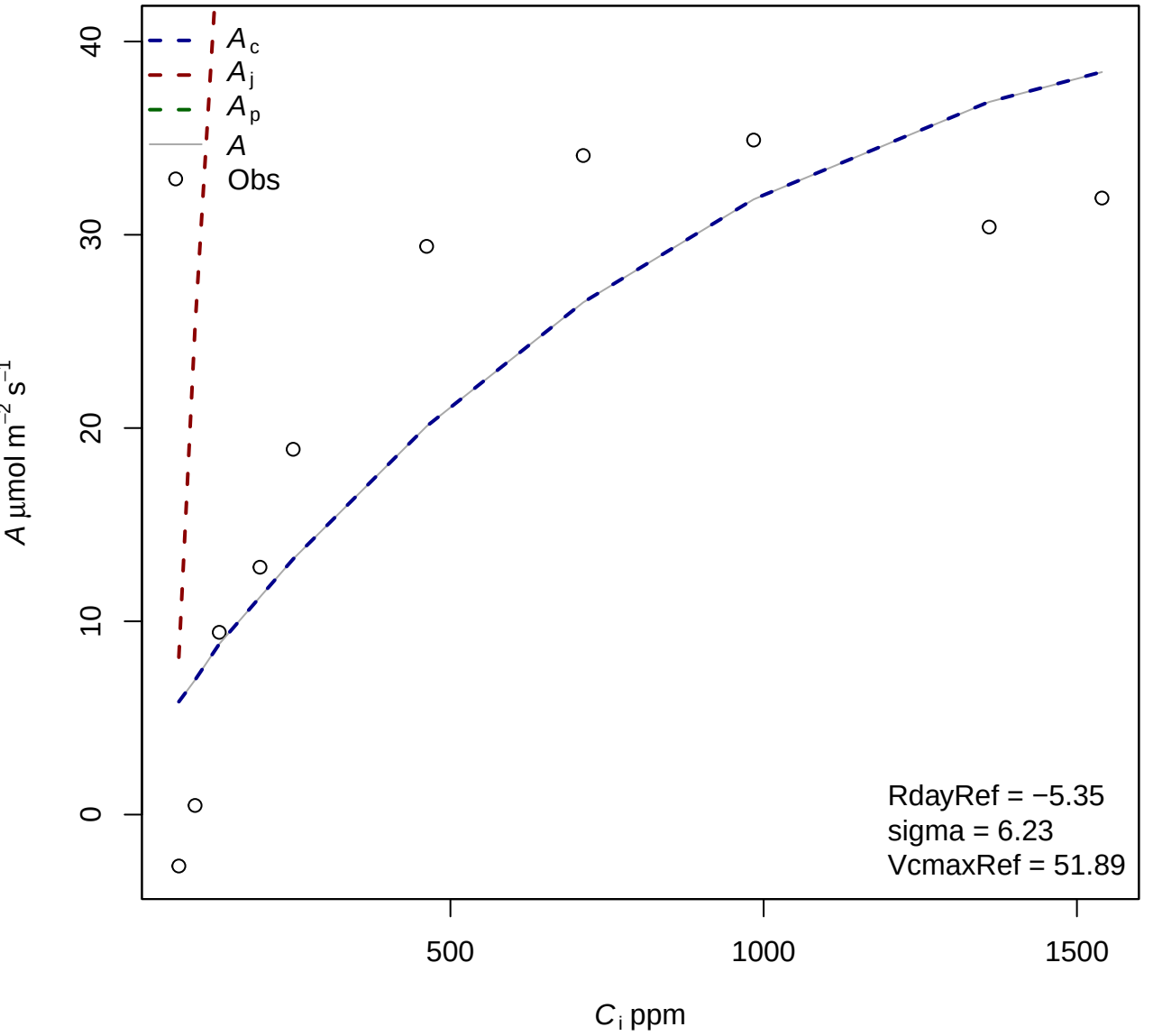

73
A_c
A_j
A_p
A
Obs
RdayRef = −4.77
sigma = 5.62
VcmaxRef = 70.26
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

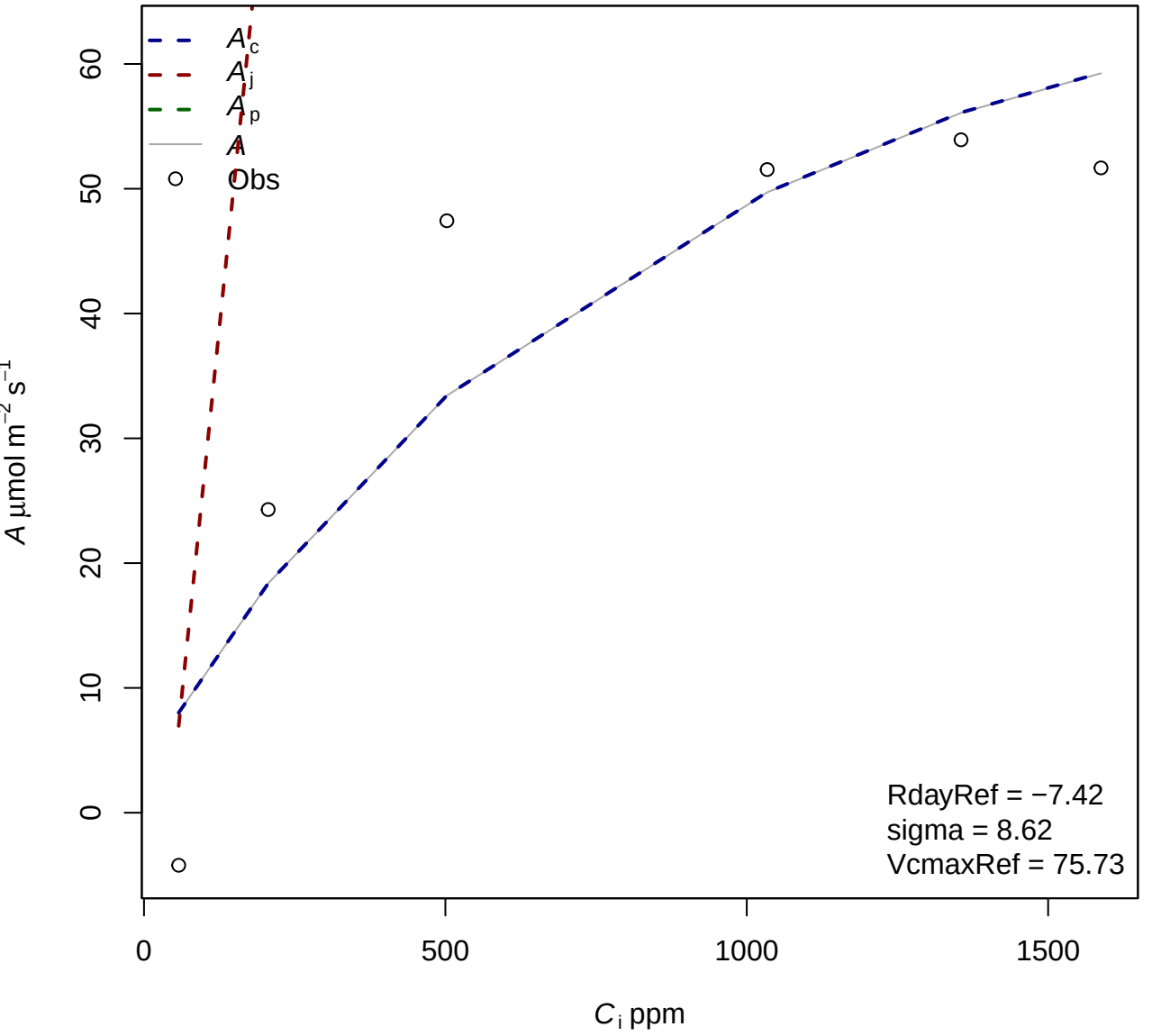

A_c
A_j
A_p
A
Obs
RdayRef = −8.03
sigma = 9.54
VcmaxRef = 92.07
0
10
20
30
40
50
60
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

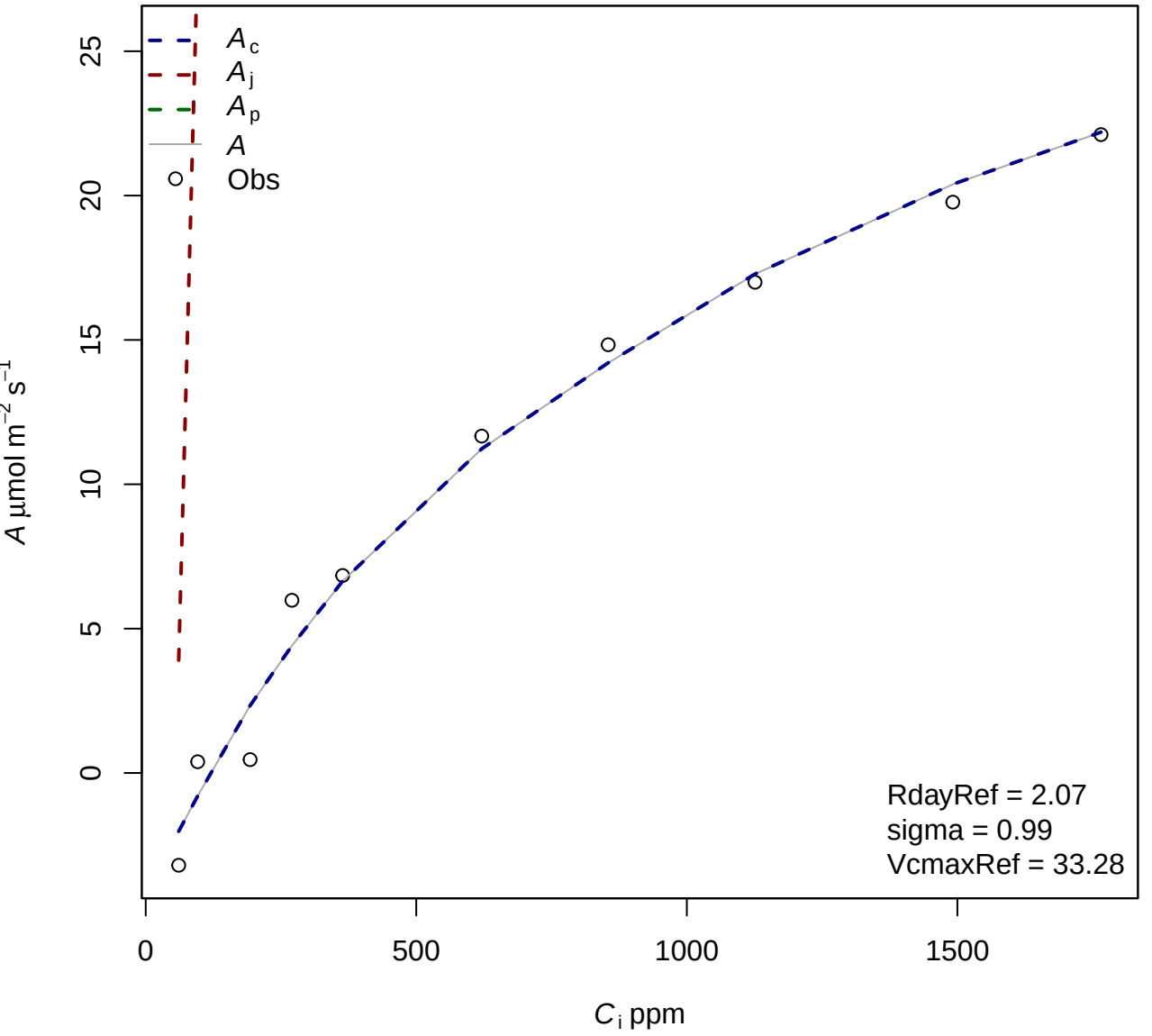

A_c
A_j
A_p
A
Obs
RdayRef = −4.23
sigma = 5.42
VcmaxRef = 63.58
0
10
20
30
40
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

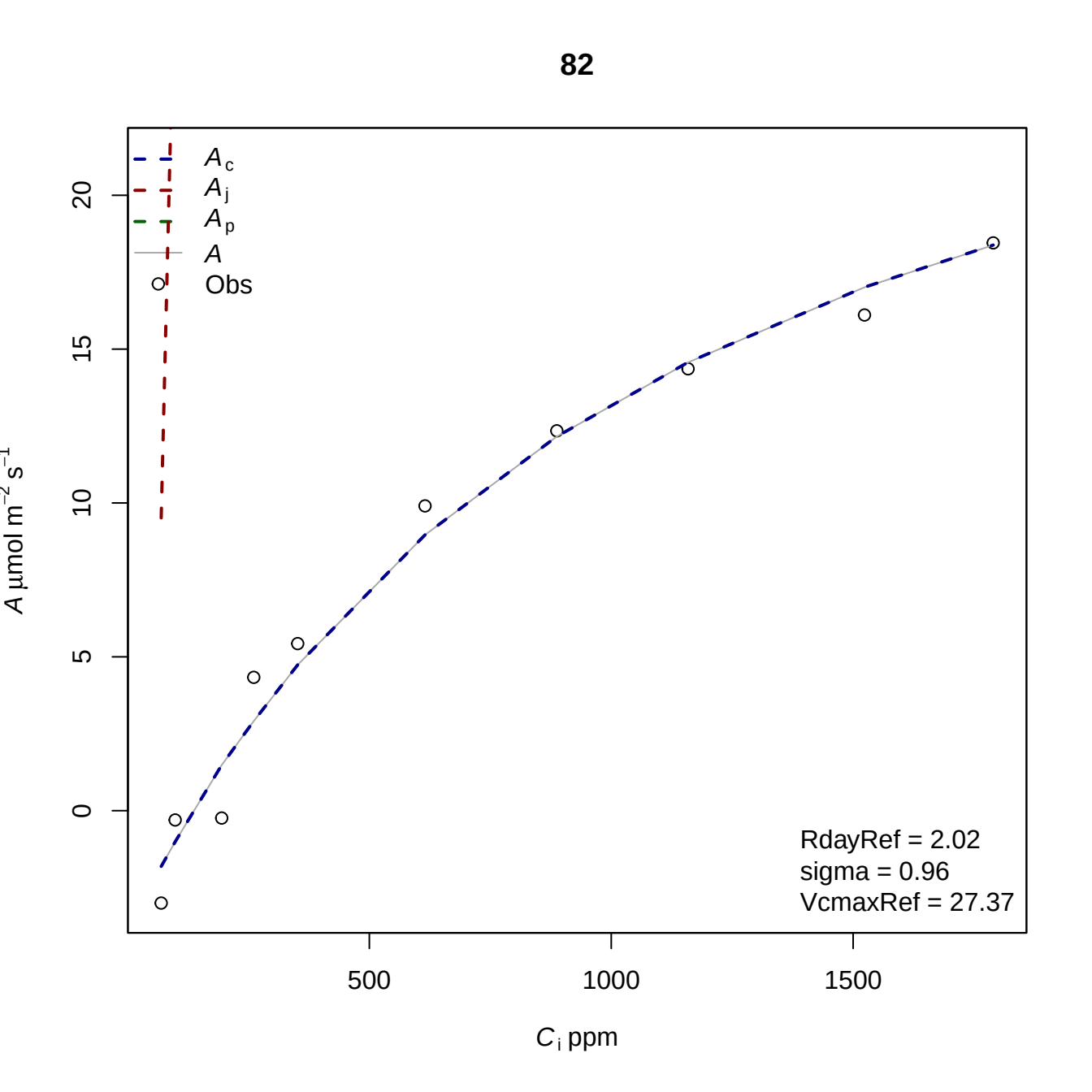

76
A_c
A_j
A_p
A
Obs
RdayRef = −3.22
sigma = 4.62
VcmaxRef = 68.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000


A_c
A_j
A_p
A
Obs
RdayRef = −3.4
sigma = 4.81
VcmaxRef = 55.31
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
200
400
600
800
1000
1200
1400

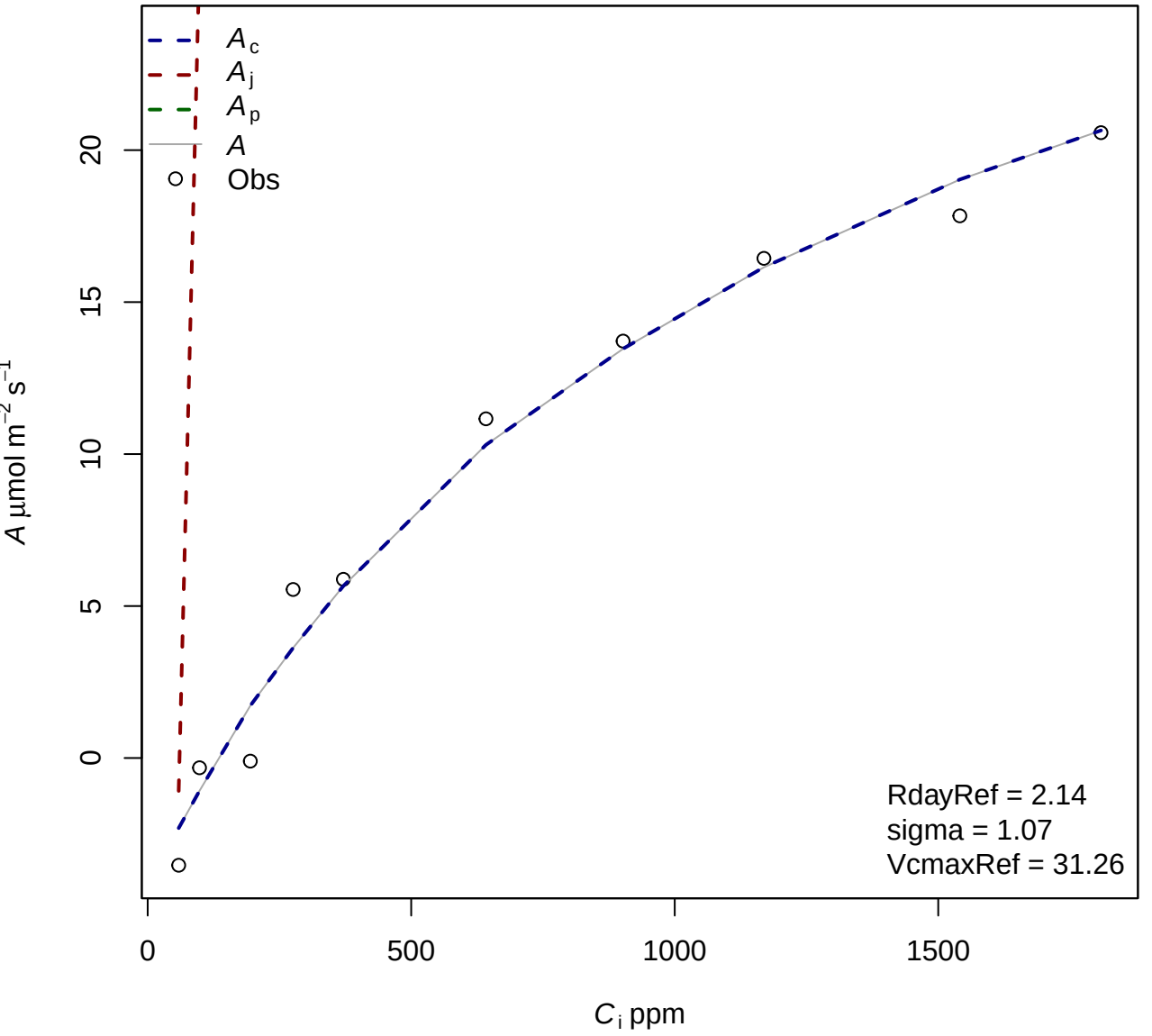

A_c
A_j
A_p
A
Obs
RdayRef = −5.35
sigma = 6.23
VcmaxRef = 51.89
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

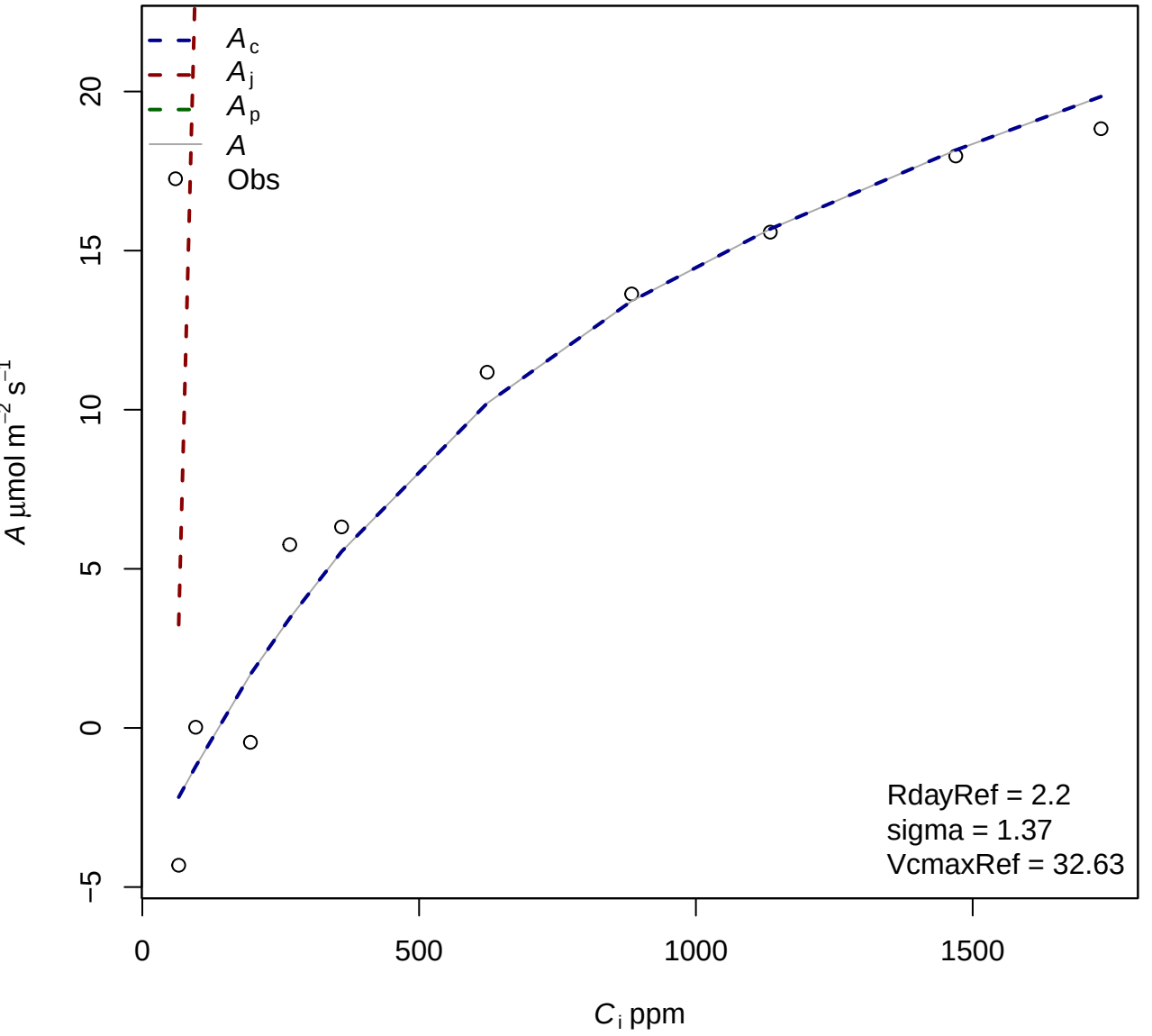

A_c
A_j
A_p
A
Obs
RdayRef = −7.42
sigma = 8.62
VcmaxRef = 75.73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

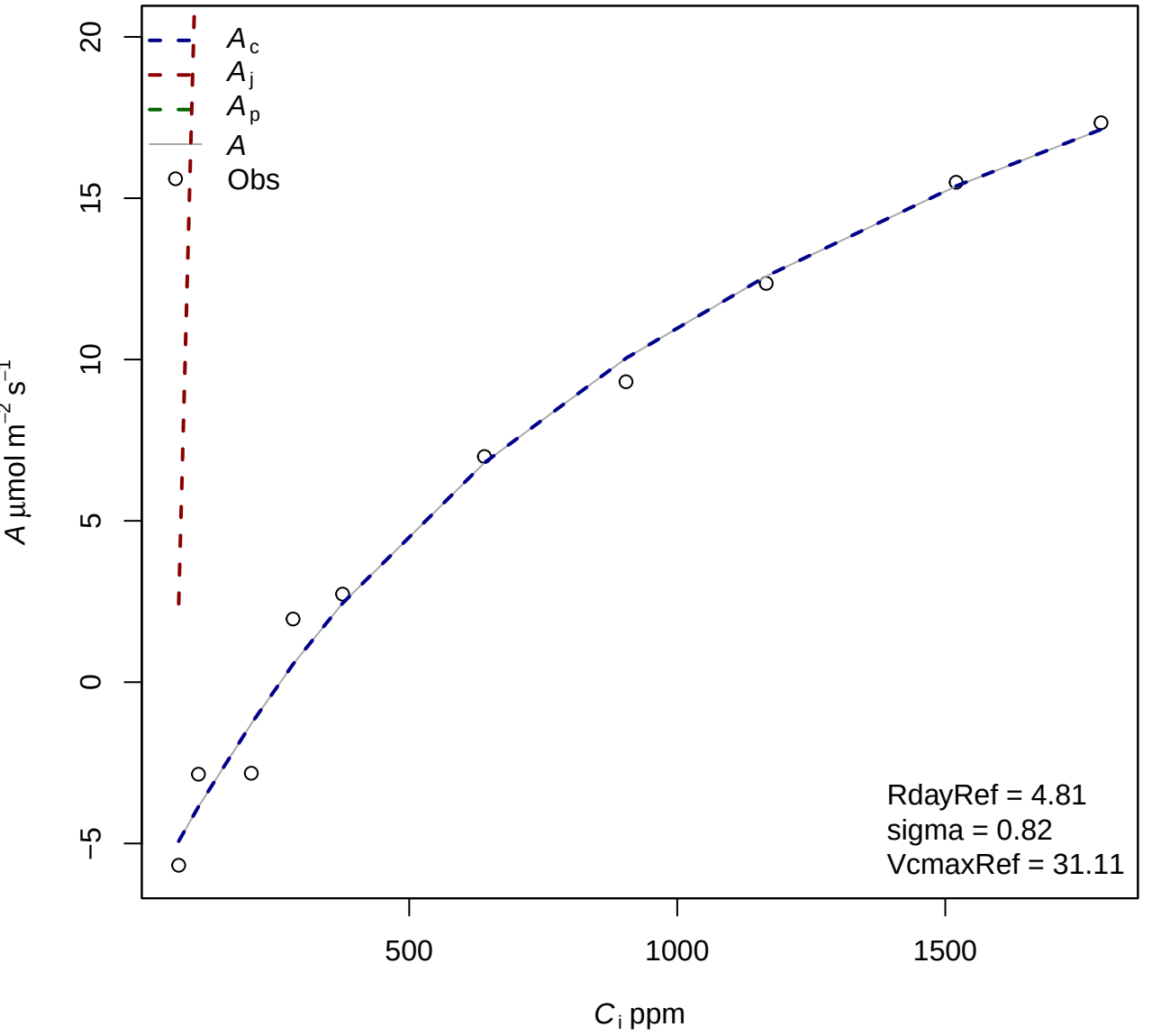

A_c
A_j
A_p
A
Obs
RdayRef = 2.07
sigma = 0.99
VcmaxRef = 33.28
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
0
500
1000
1500

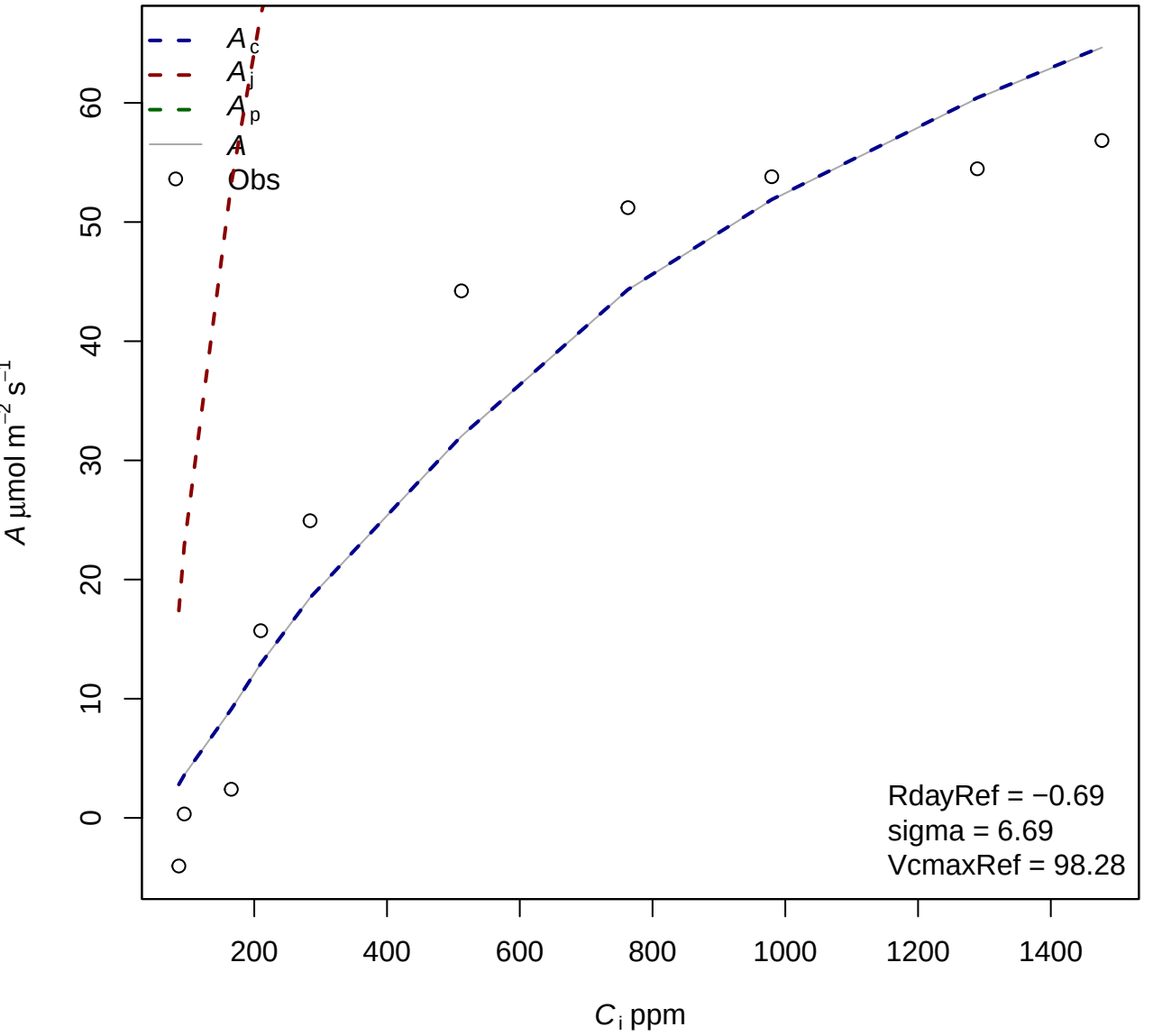


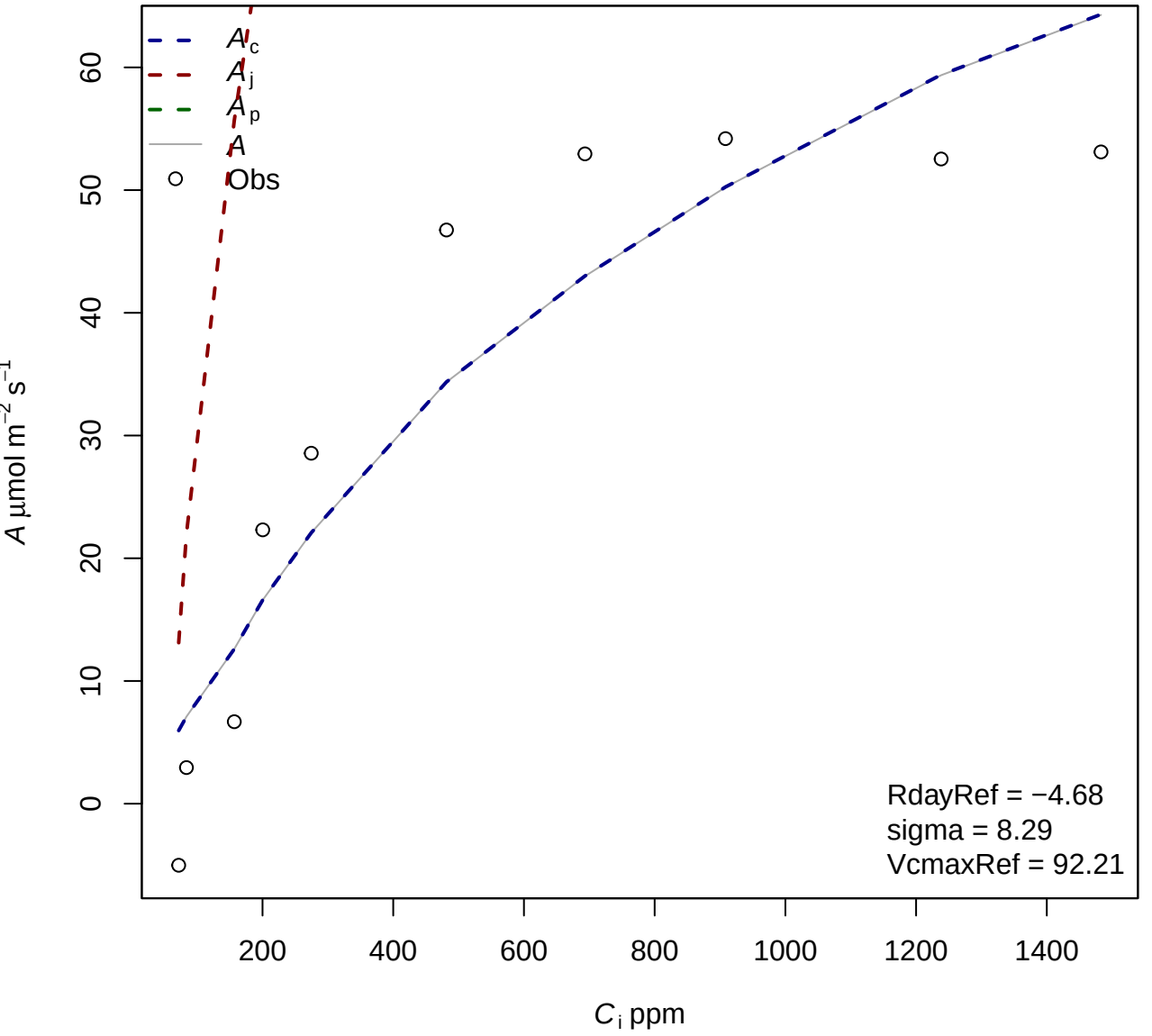
82
A_c
A_j
A_p
A
Obs
RdayRef = 2.02
sigma = 0.96
VcmaxRef = 27.37
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
500
1000
1500

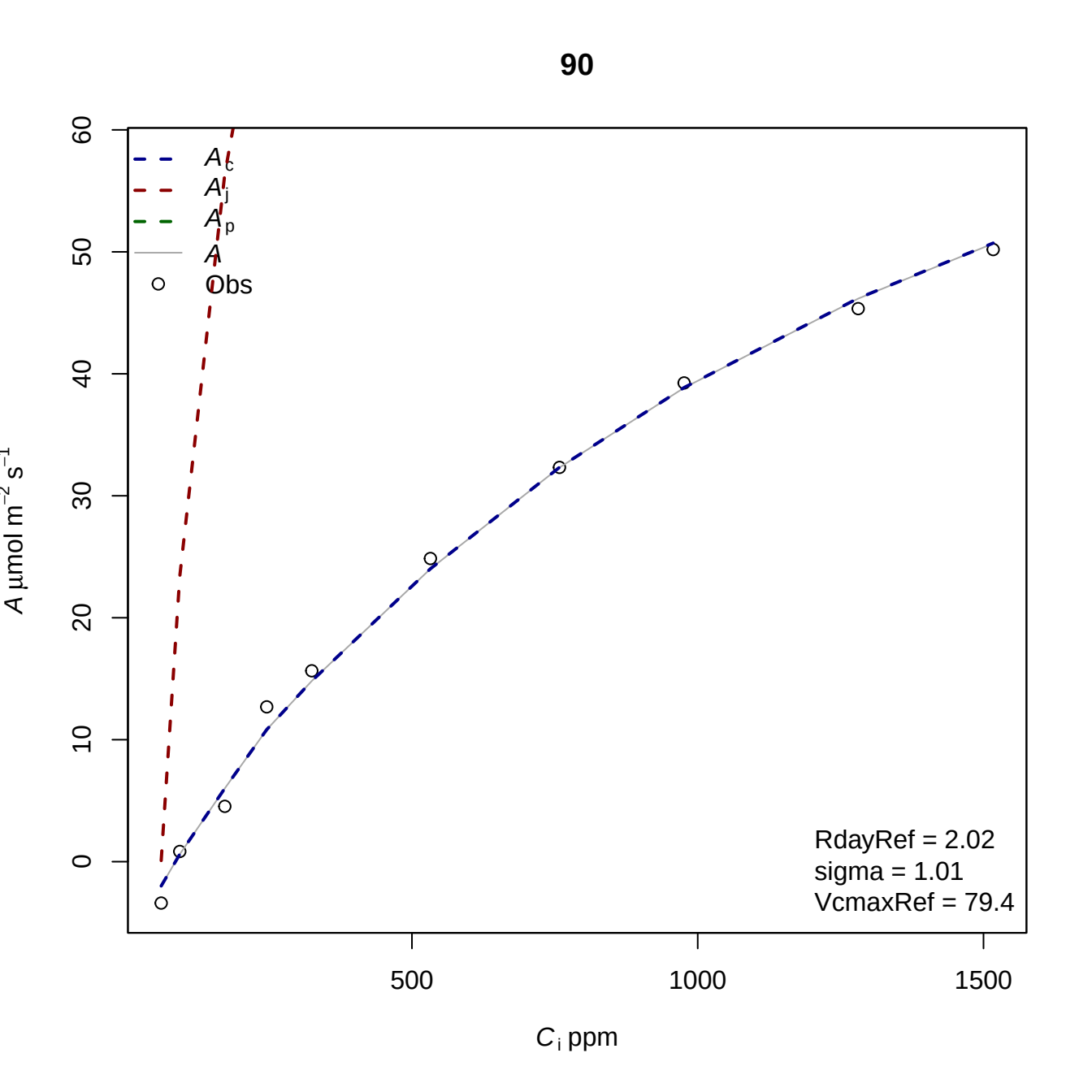

A_c
A_j
A_p
A
Obs
RdayRef = 2.14
sigma = 1.07
VcmaxRef = 31.26
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
0
500
1000
1500

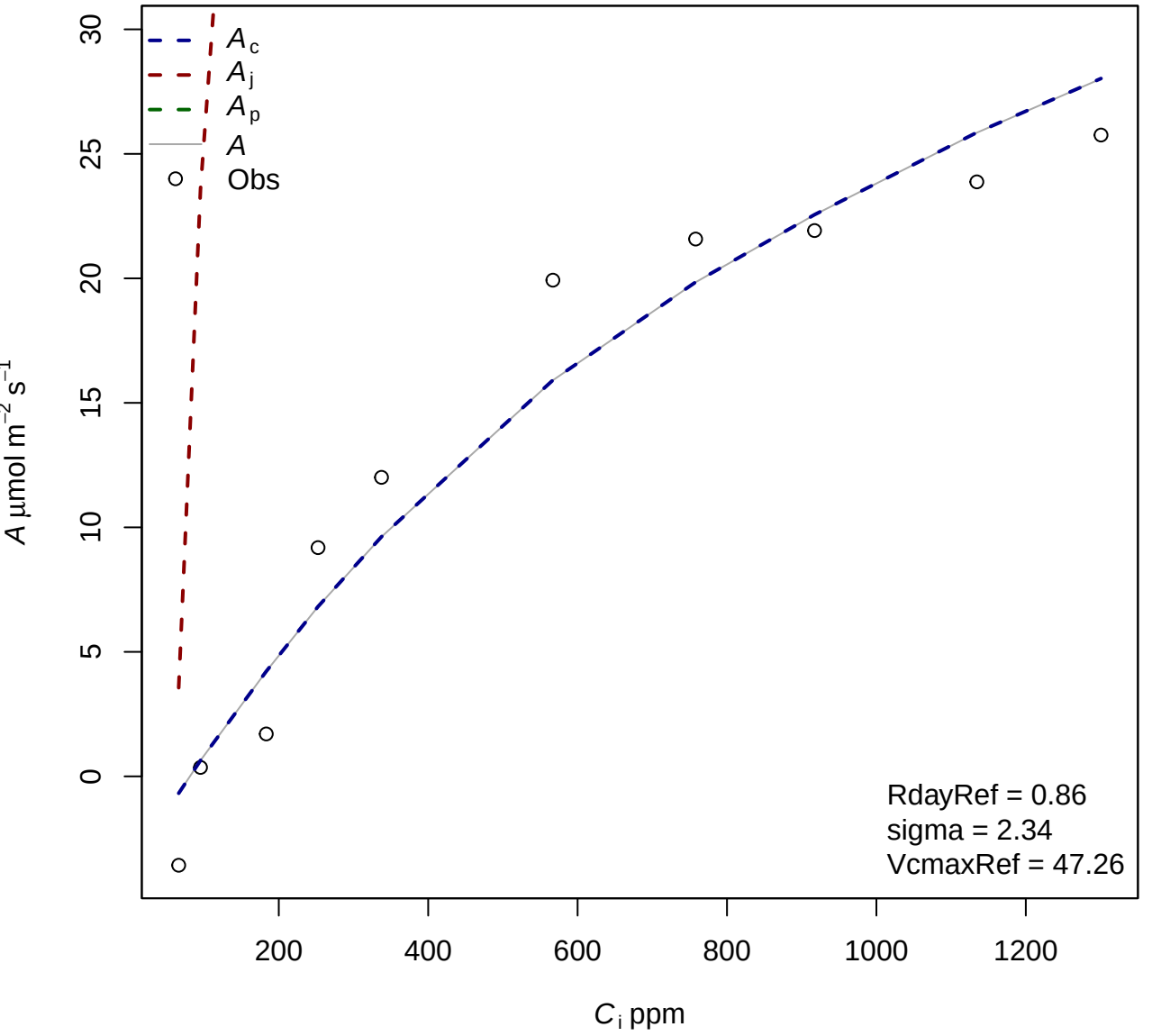

A_c
A_j
A_p
A
Obs
RdayRef = 2.2
sigma = 1.37
VcmaxRef = 32.63
A µmol m^{-2} s^{-1}
C_i ppm
−5
0
5
10
15
20
0
500
1000
1500

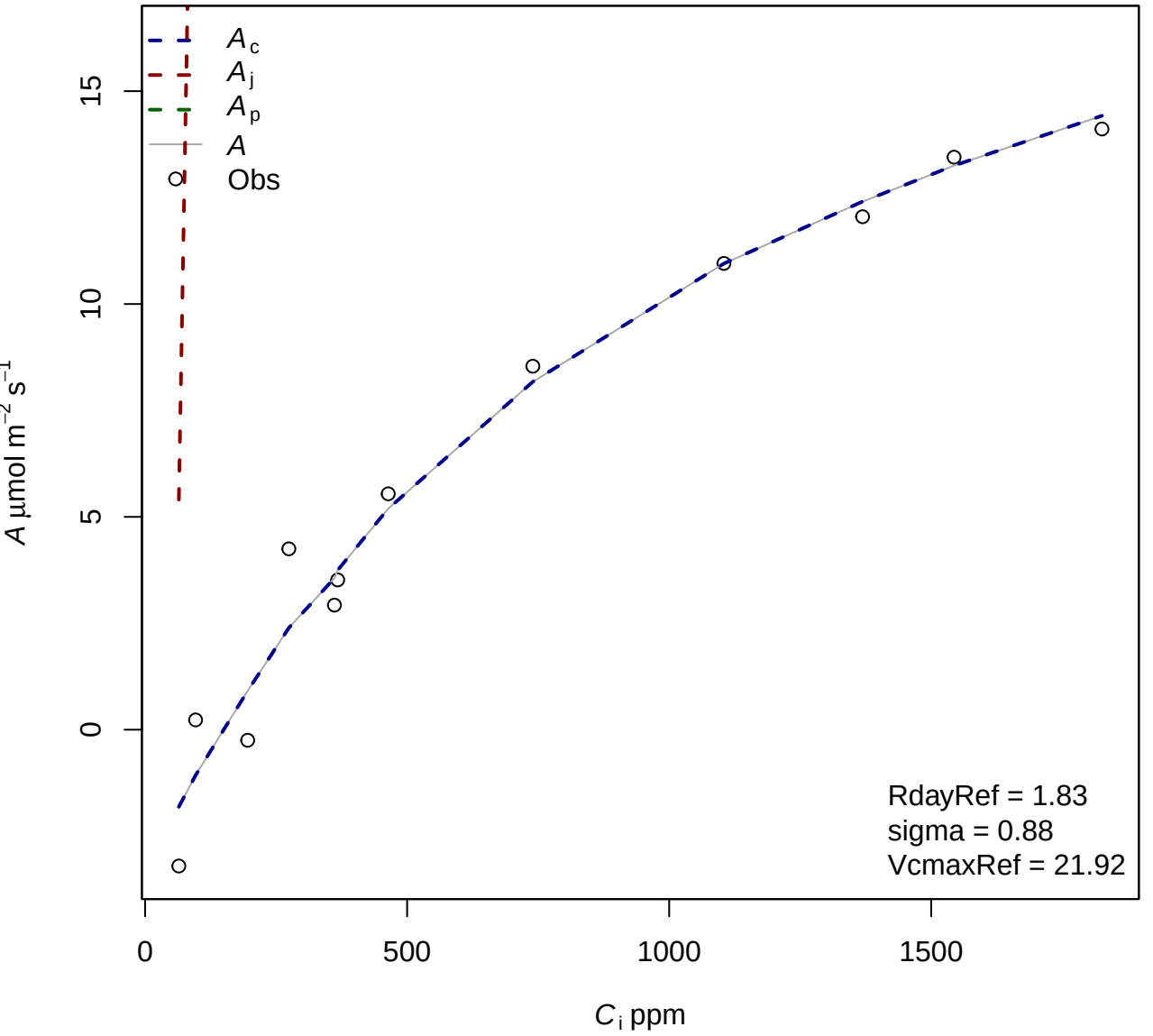

A_c
A_j
A_p
A
Obs
RdayRef = 4.81
sigma = 0.82
VcmaxRef = 31.11
20
15
10
5
0
−5
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

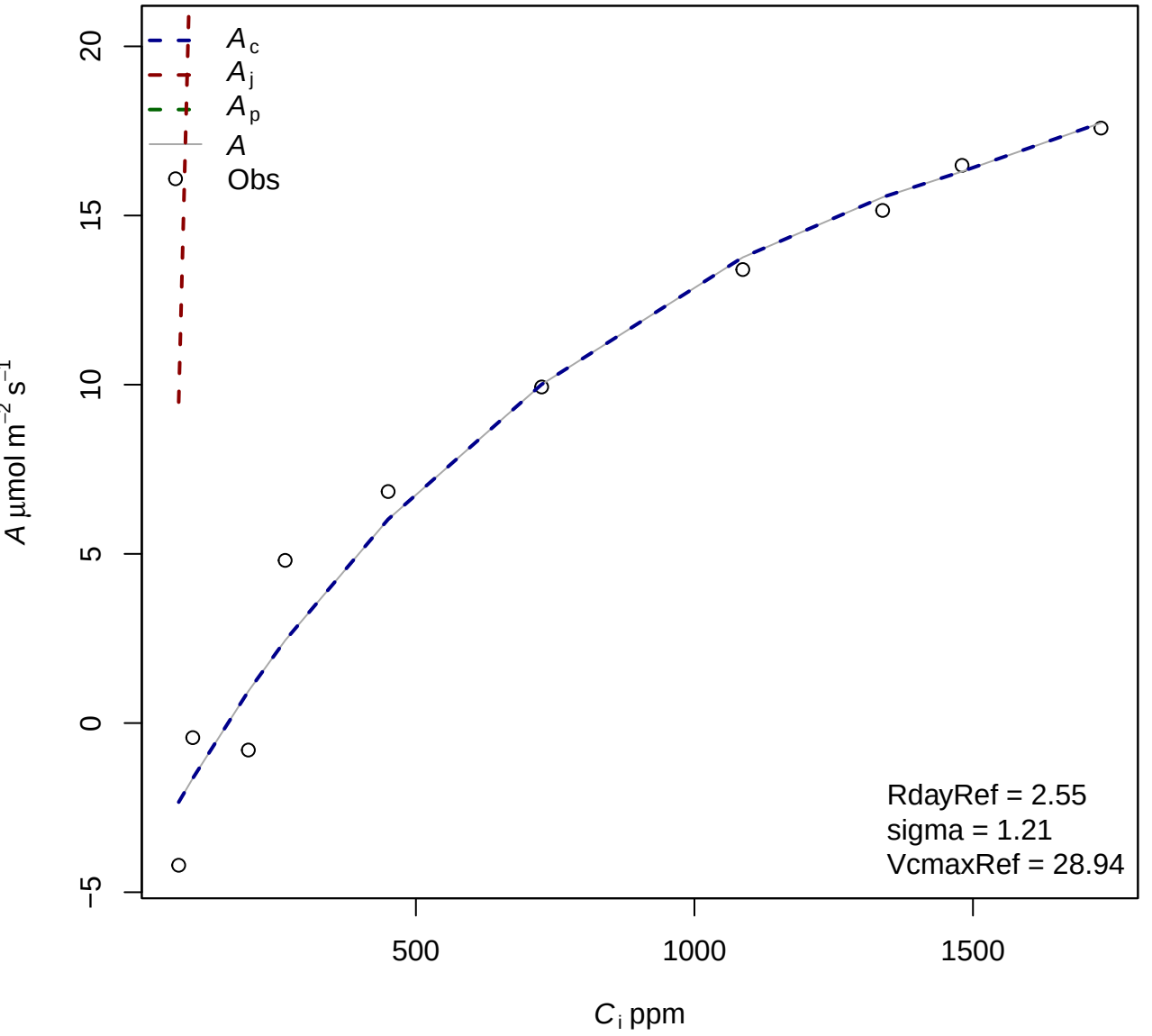

A_c
A_j
A_p
A
Obs
RdayRef = −0.69
sigma = 6.69
VcmaxRef = 98.28
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

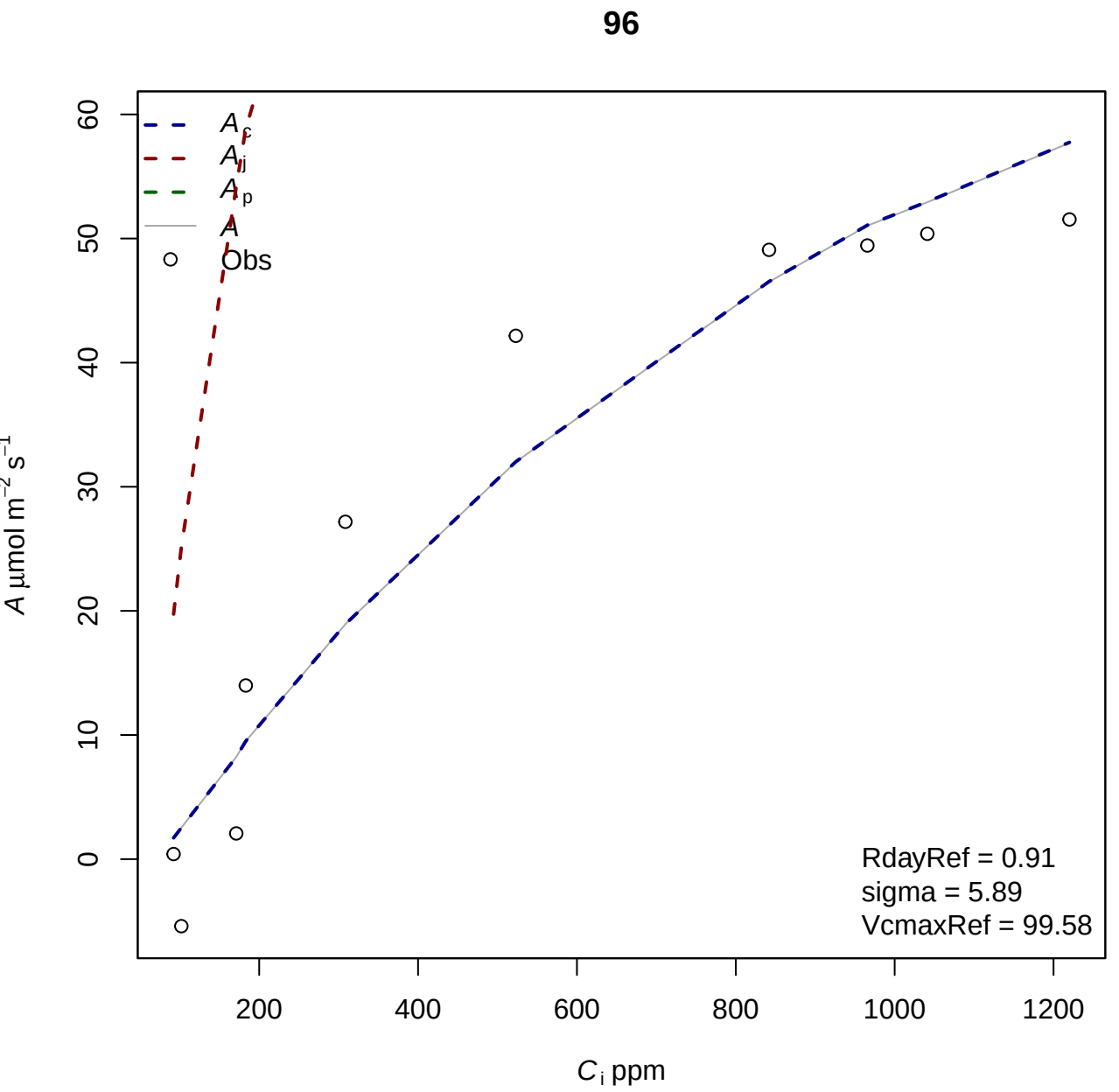

A_c
A_j
A_p
A
Obs
RdayRef = −4.68
sigma = 8.29
VcmaxRef = 92.21
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

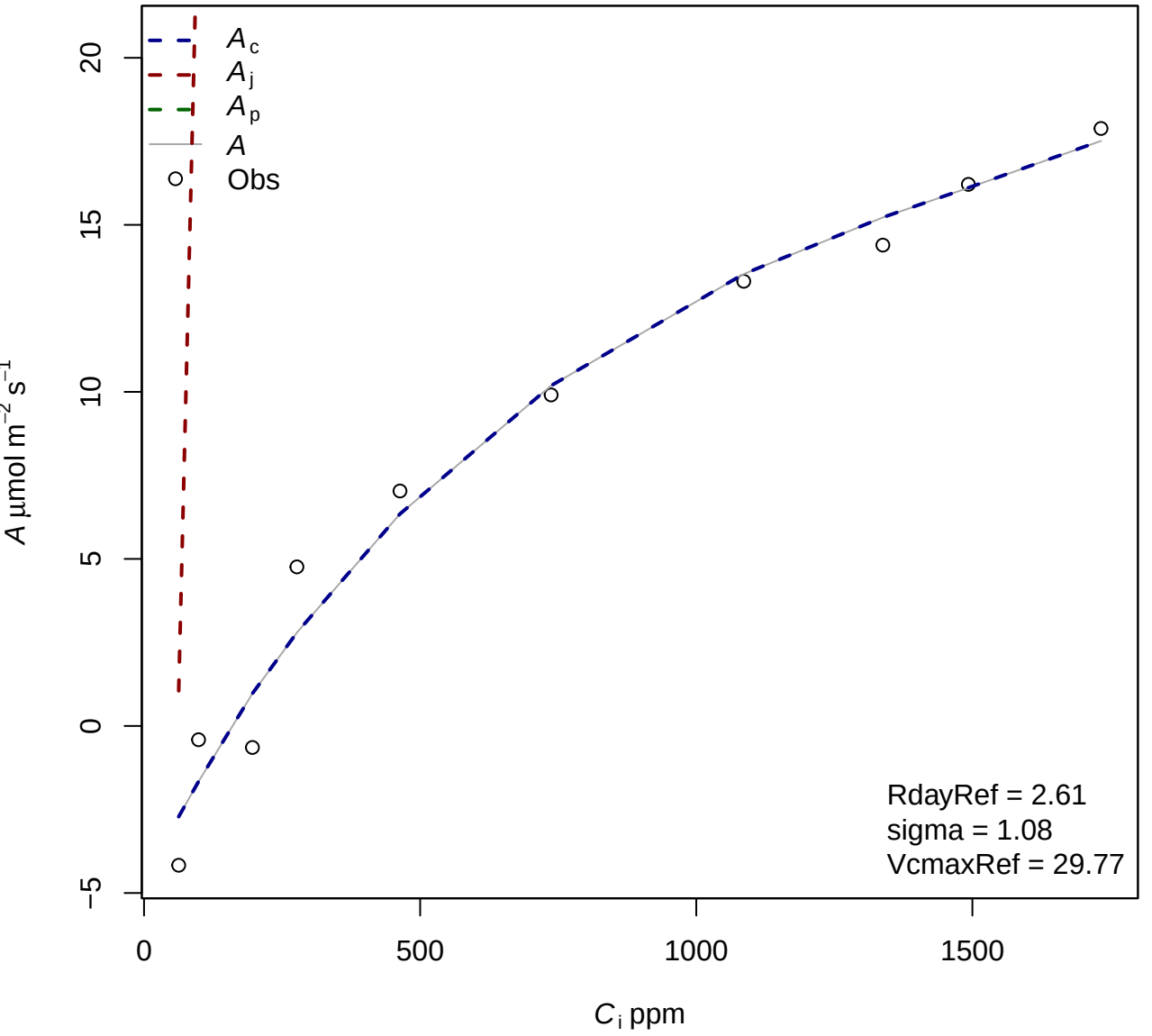

90
A_c
A_j
A_p
A
Obs
RdayRef = 2.02
sigma = 1.01
VcmaxRef = 79.4
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

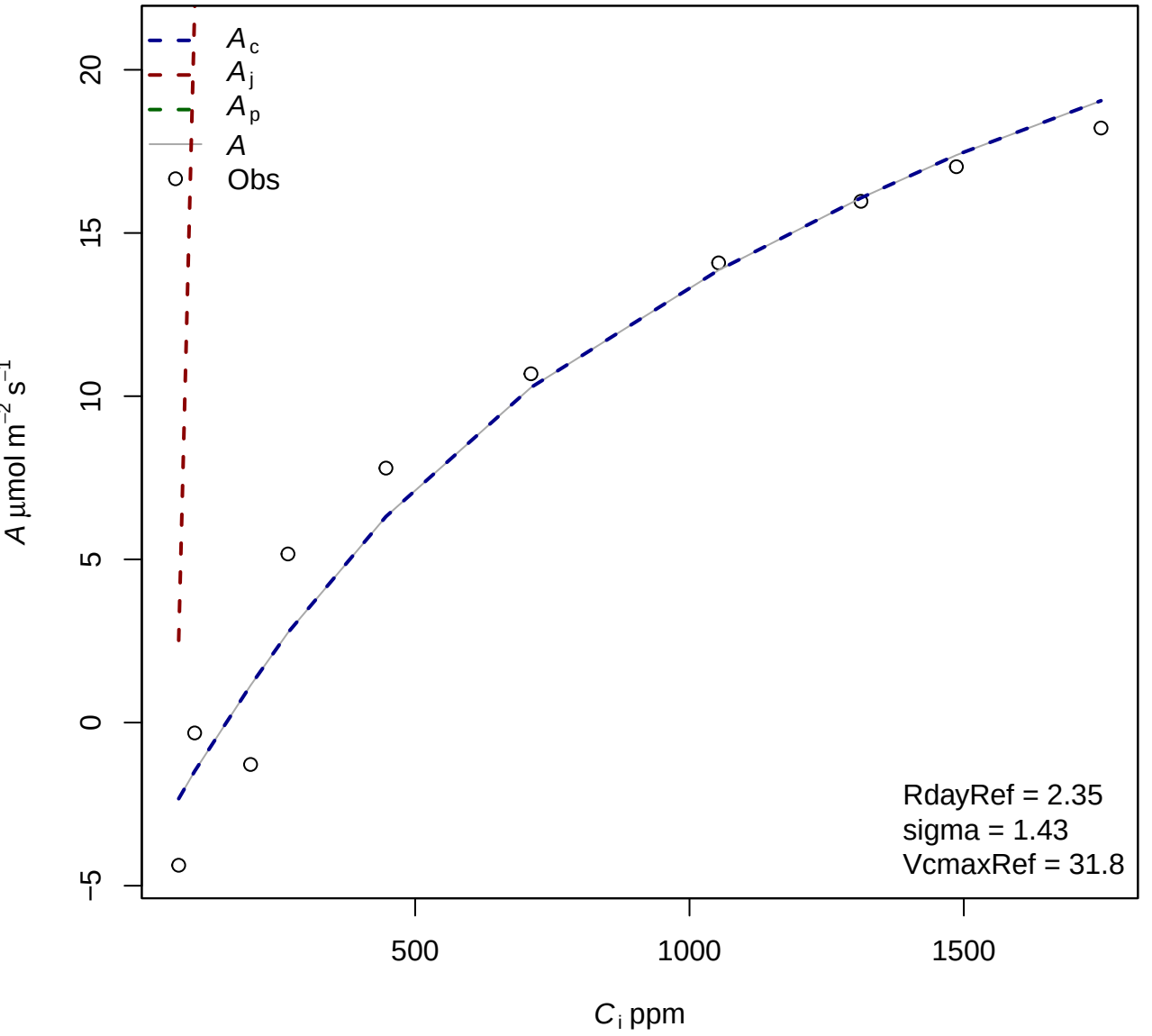

A_c
A_j
A_p
A
Obs
RdayRef = 0.86
sigma = 2.34
VcmaxRef = 47.26
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200

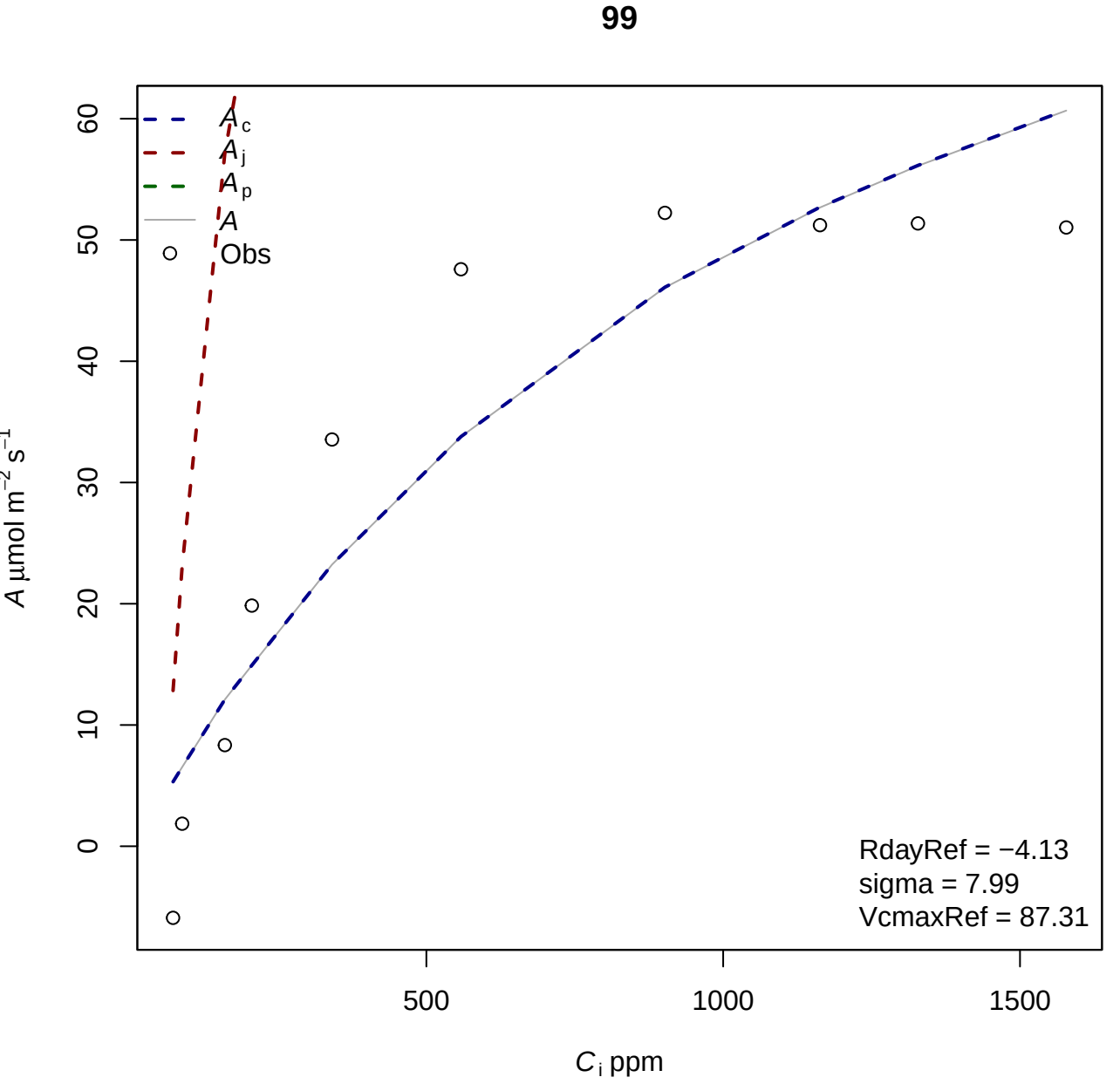

A_c
A_j
A_p
A
Obs
RdayRef = 1.83
sigma = 0.88
VcmaxRef = 21.92
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
0
500
1000
1500

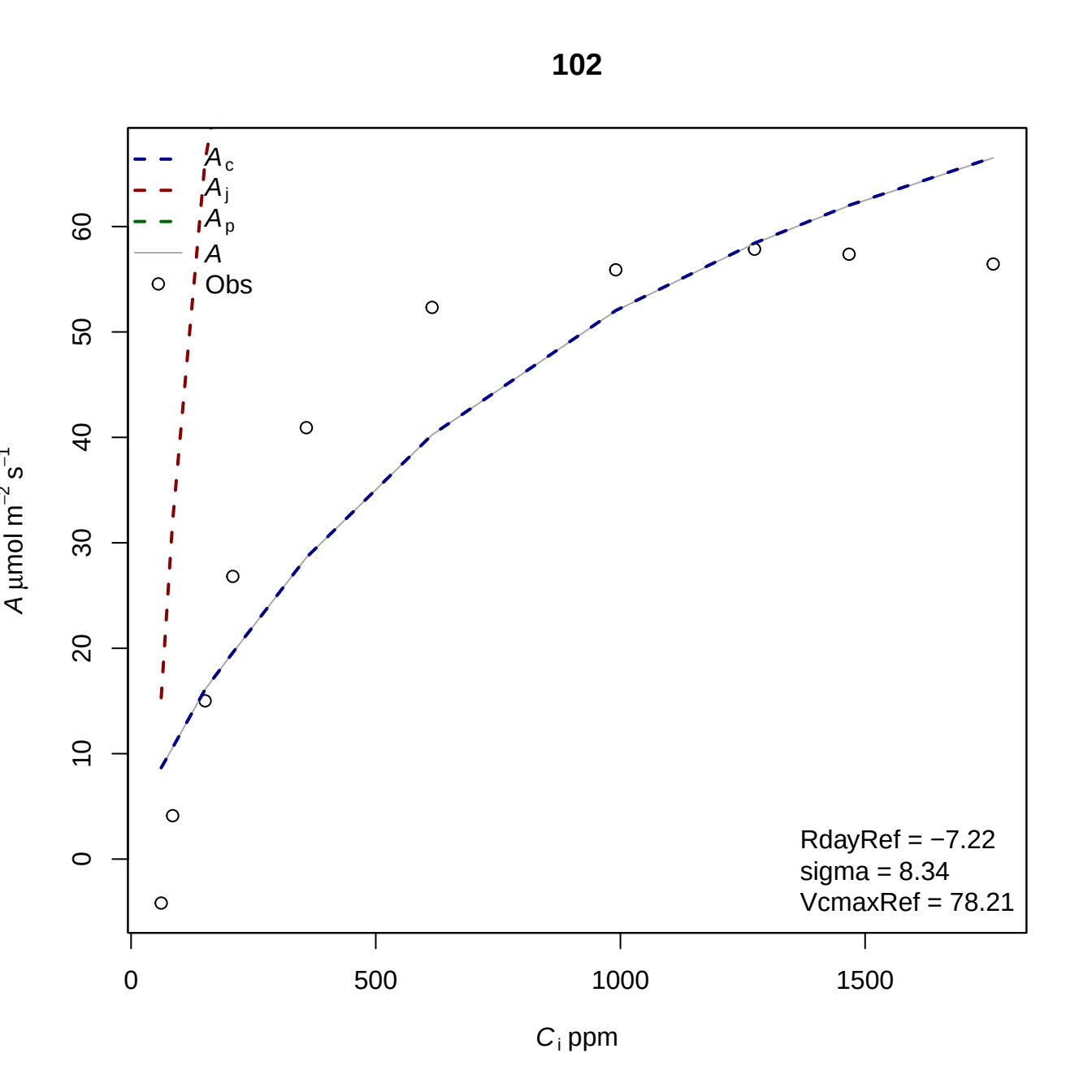

A_c
A_j
A_p
A
Obs
RdayRef = 2.55
sigma = 1.21
VcmaxRef = 28.94
20
15
10
5
0
−5
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

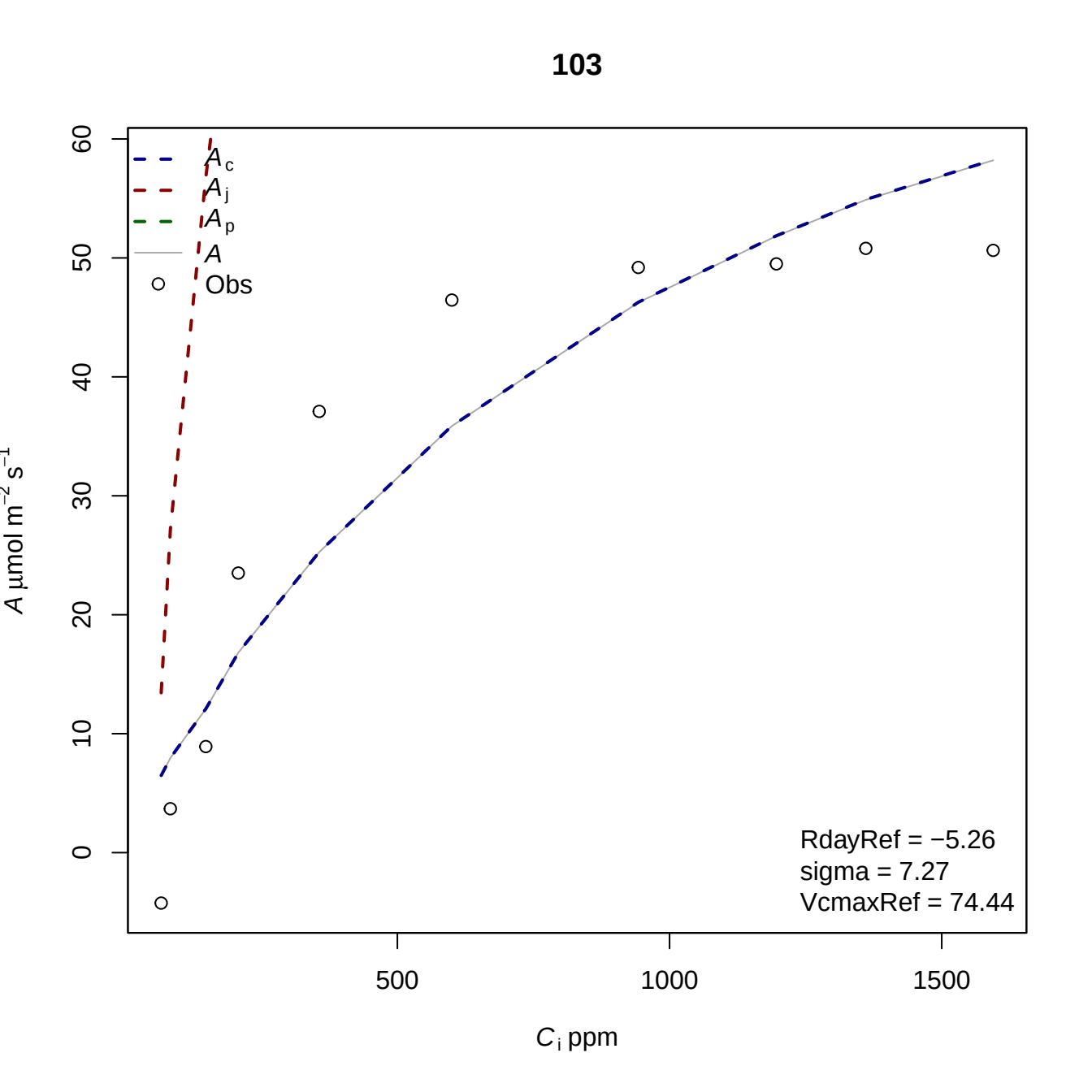

96
A_c
A_j
A_p
A
Obs
RdayRef = 0.91
sigma = 5.89
VcmaxRef = 99.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200

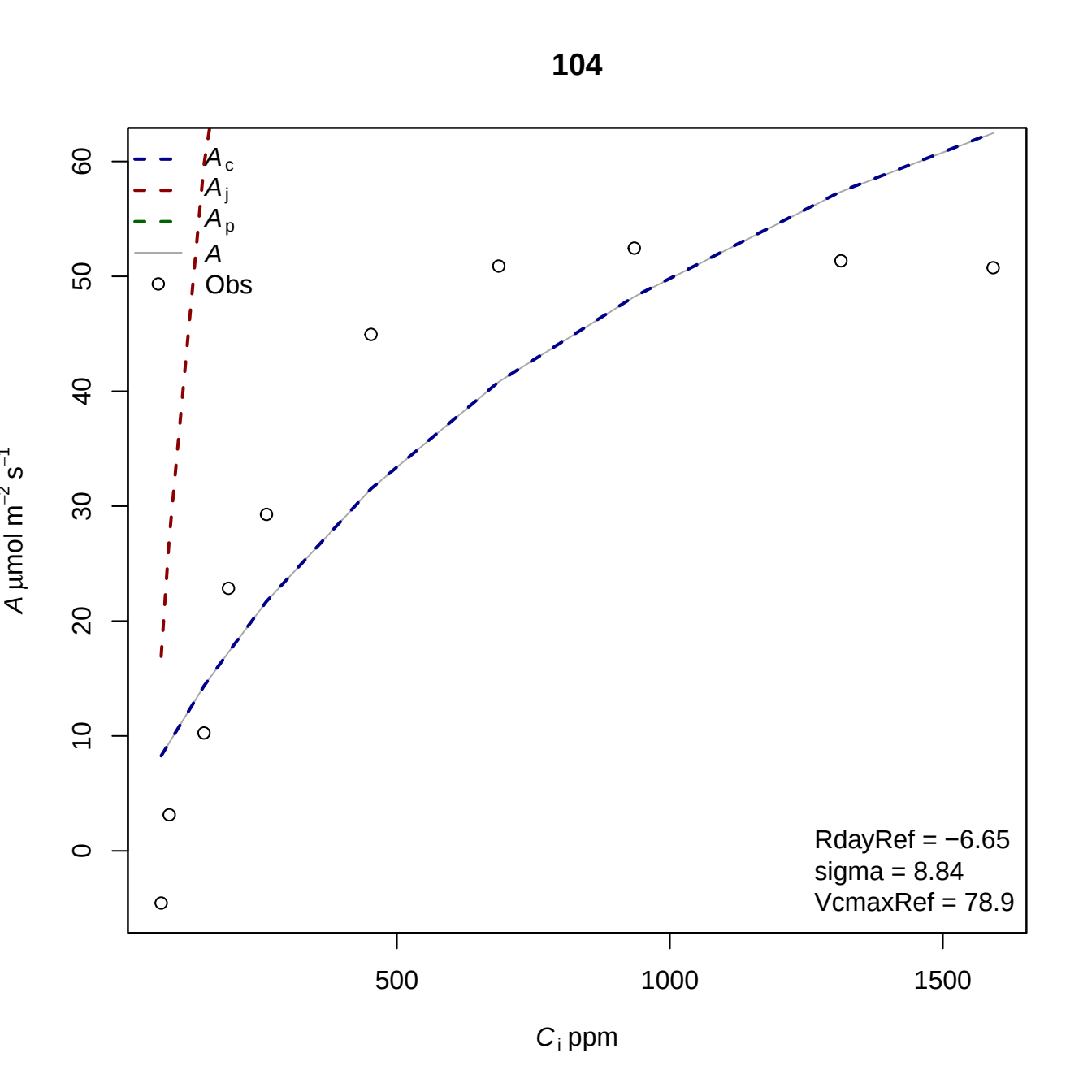

A_c
A_j
A_p
A
Obs
RdayRef = 2.61
sigma = 1.08
VcmaxRef = 29.77
A µmol m^{-2} s^{-1}
C_i ppm
20
15
10
5
0
−5
0
500
1000
1500

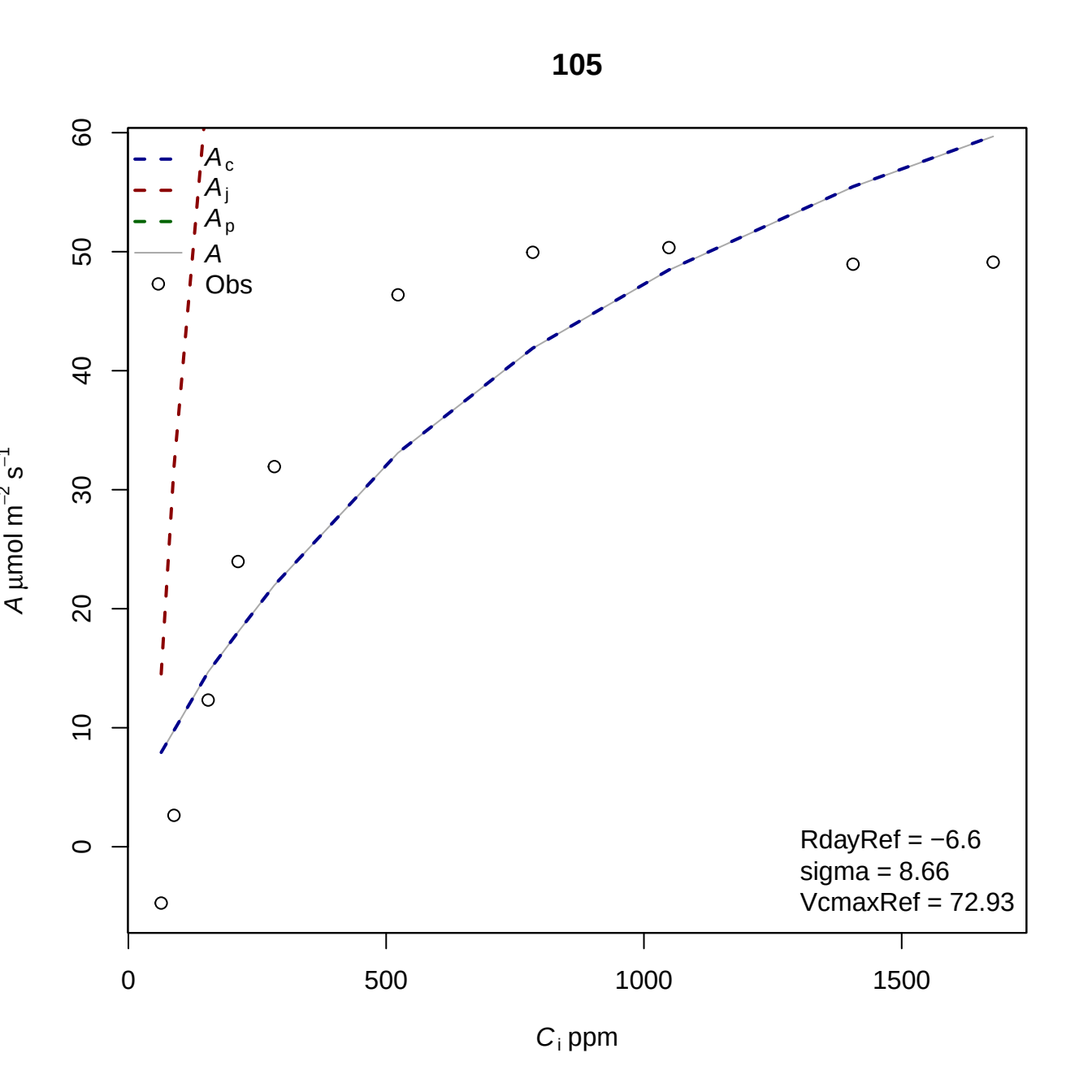

A_c
A_j
A_p
A
Obs
RdayRef = 2.35
sigma = 1.43
VcmaxRef = 31.8
A µmol m^{-2} s^{-1}
C_i ppm
−5
0
5
10
15
20
500
1000
1500

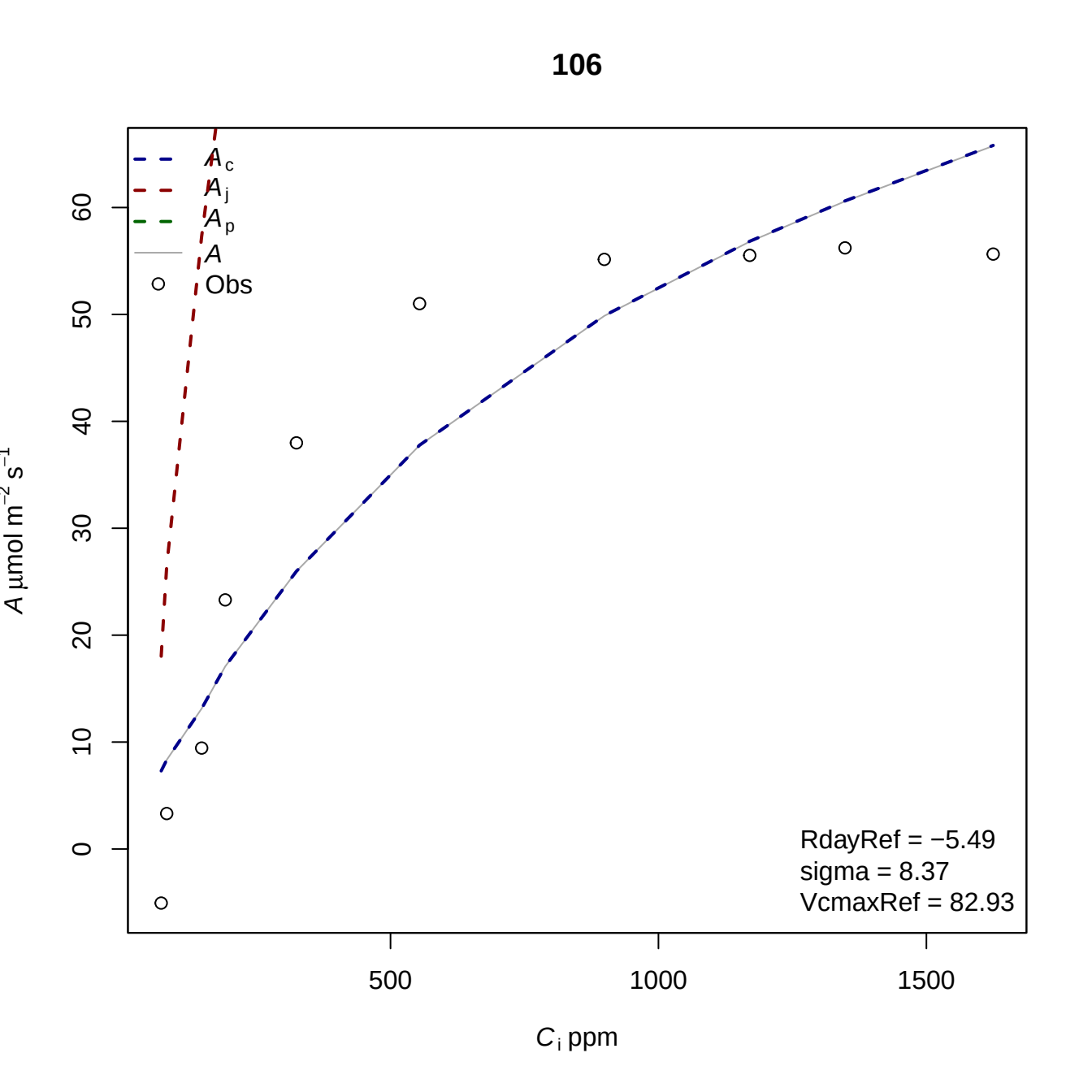

99
A_c
A_j
A_p
A
Obs
RdayRef = −4.13
sigma = 7.99
VcmaxRef = 87.31
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

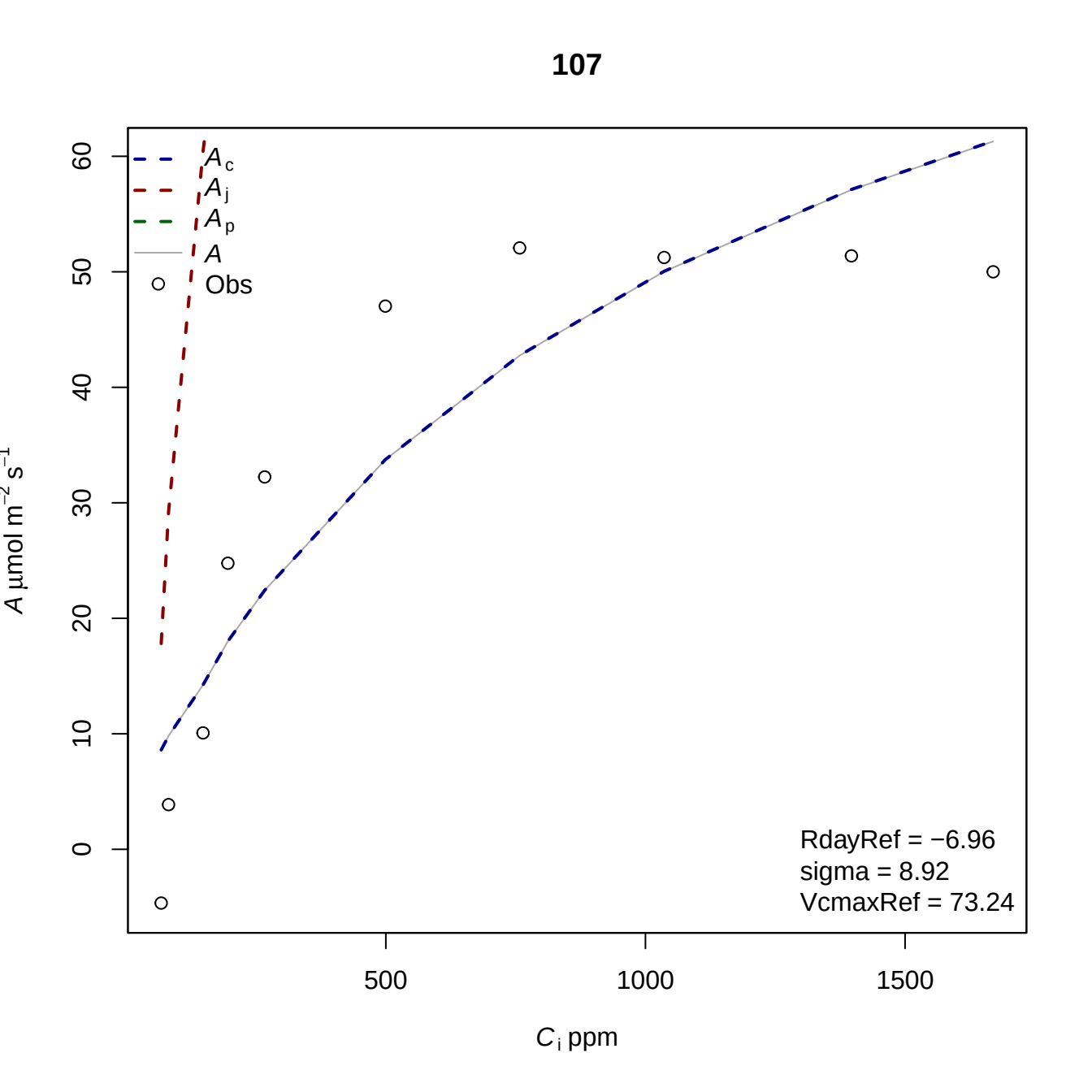

102
A_c
A_j
A_p
A
Obs
RdayRef = −7.22
sigma = 8.34
VcmaxRef = 78.21
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

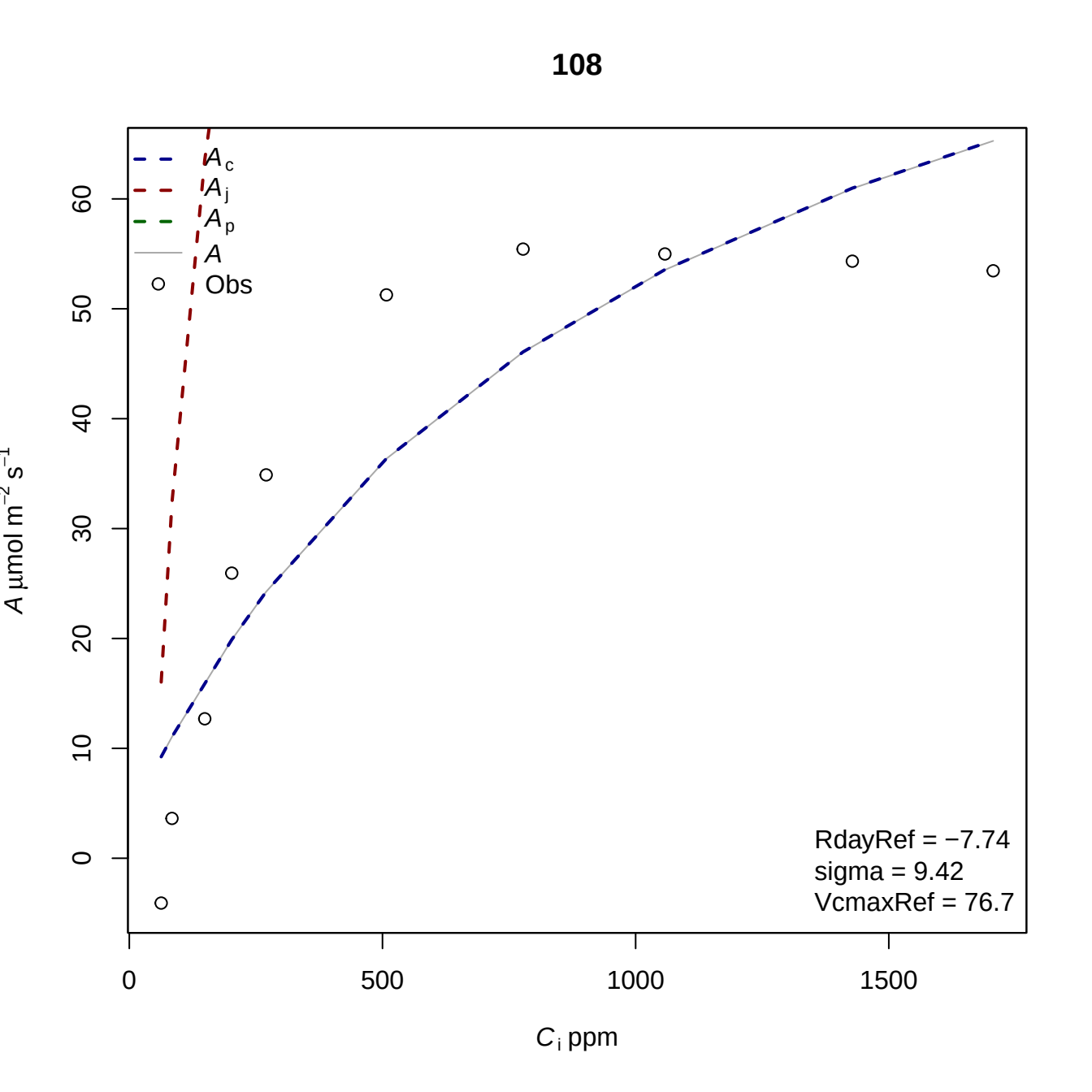

103
A_c
A_j
A_p
A
Obs
RdayRef = −5.26
sigma = 7.27
VcmaxRef = 74.44
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

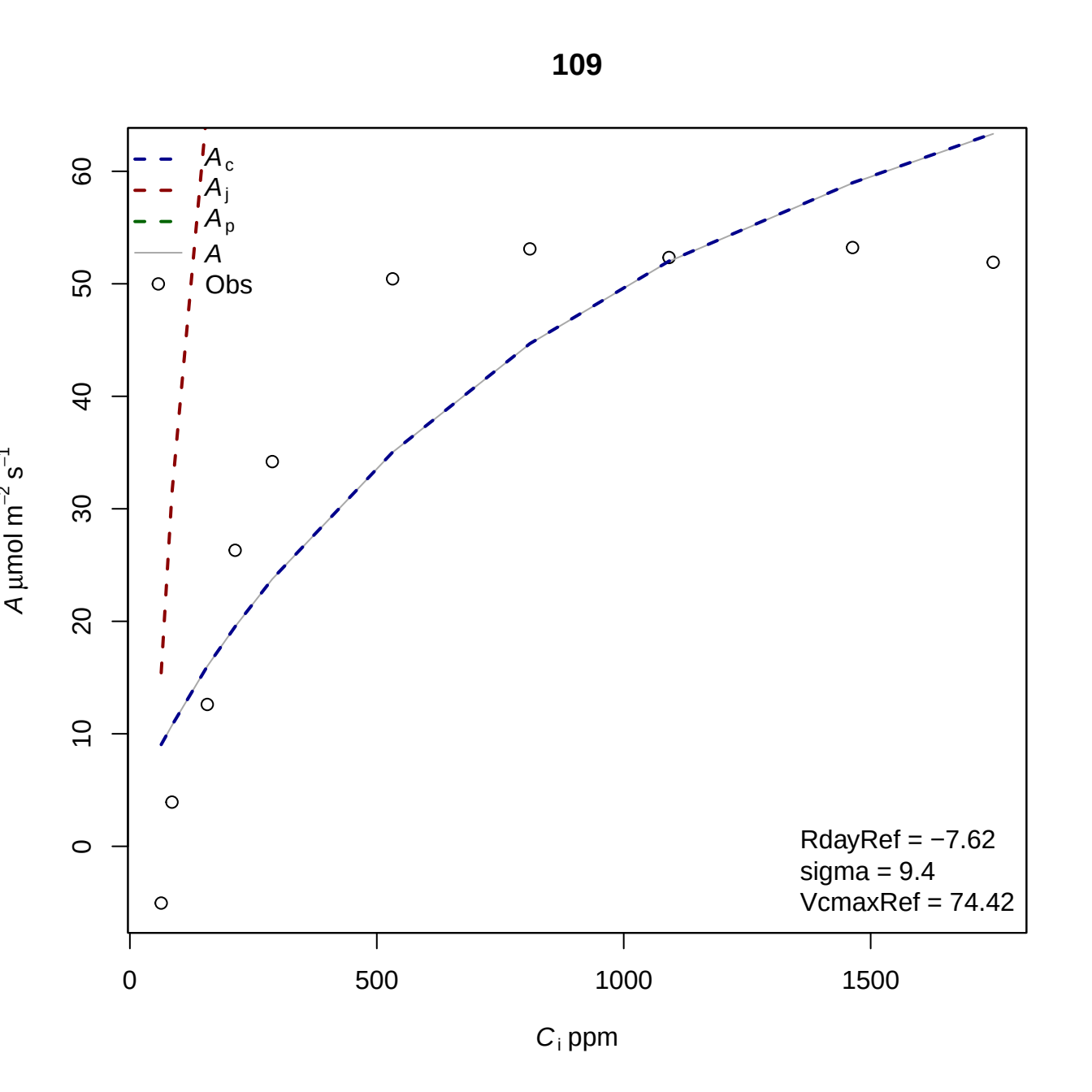

104
A_c
A_j
A_p
A
Obs
RdayRef = −6.65
sigma = 8.84
VcmaxRef = 78.9
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

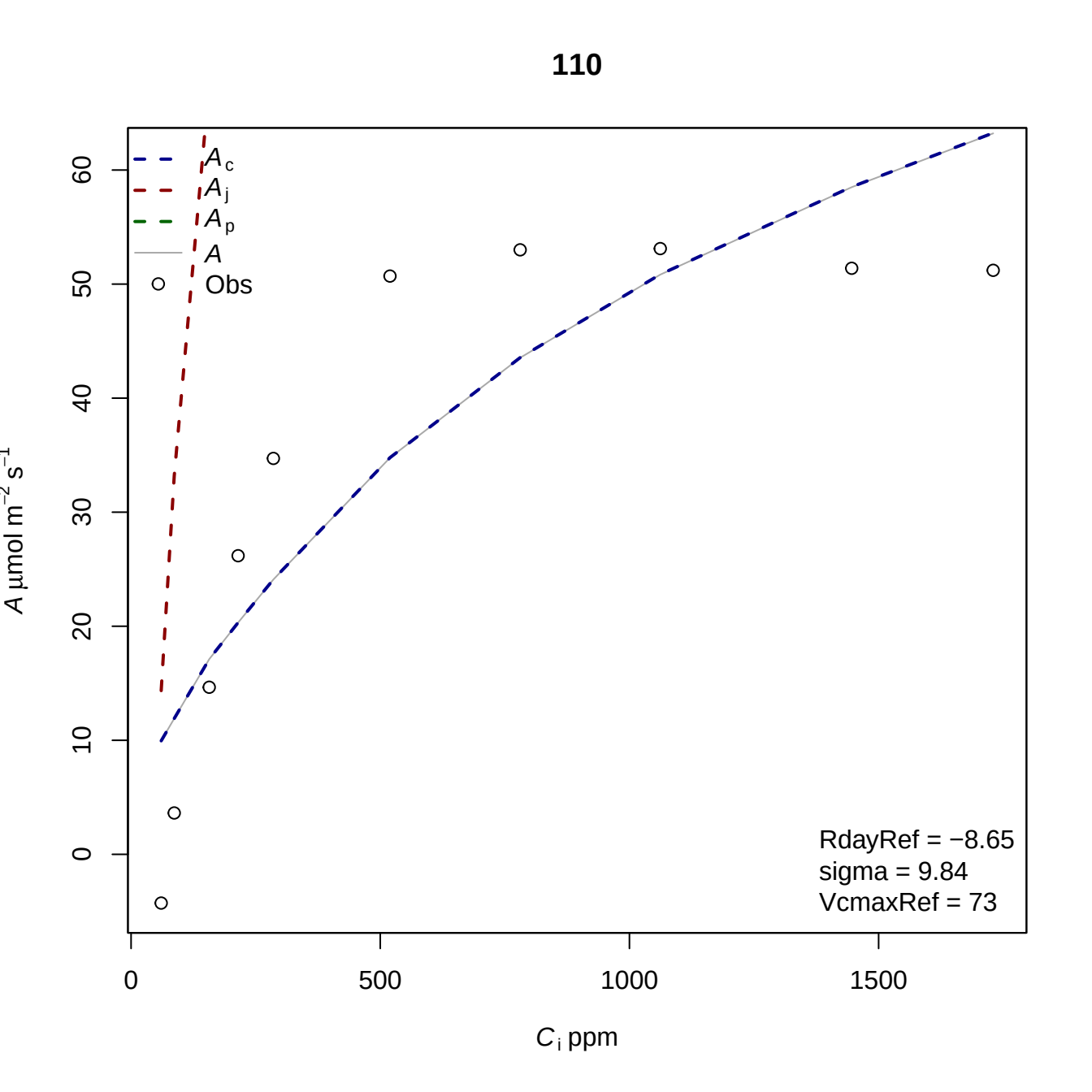

105
A_c
A_j
A_p
A
Obs
RdayRef = −6.6
sigma = 8.66
VcmaxRef = 72.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

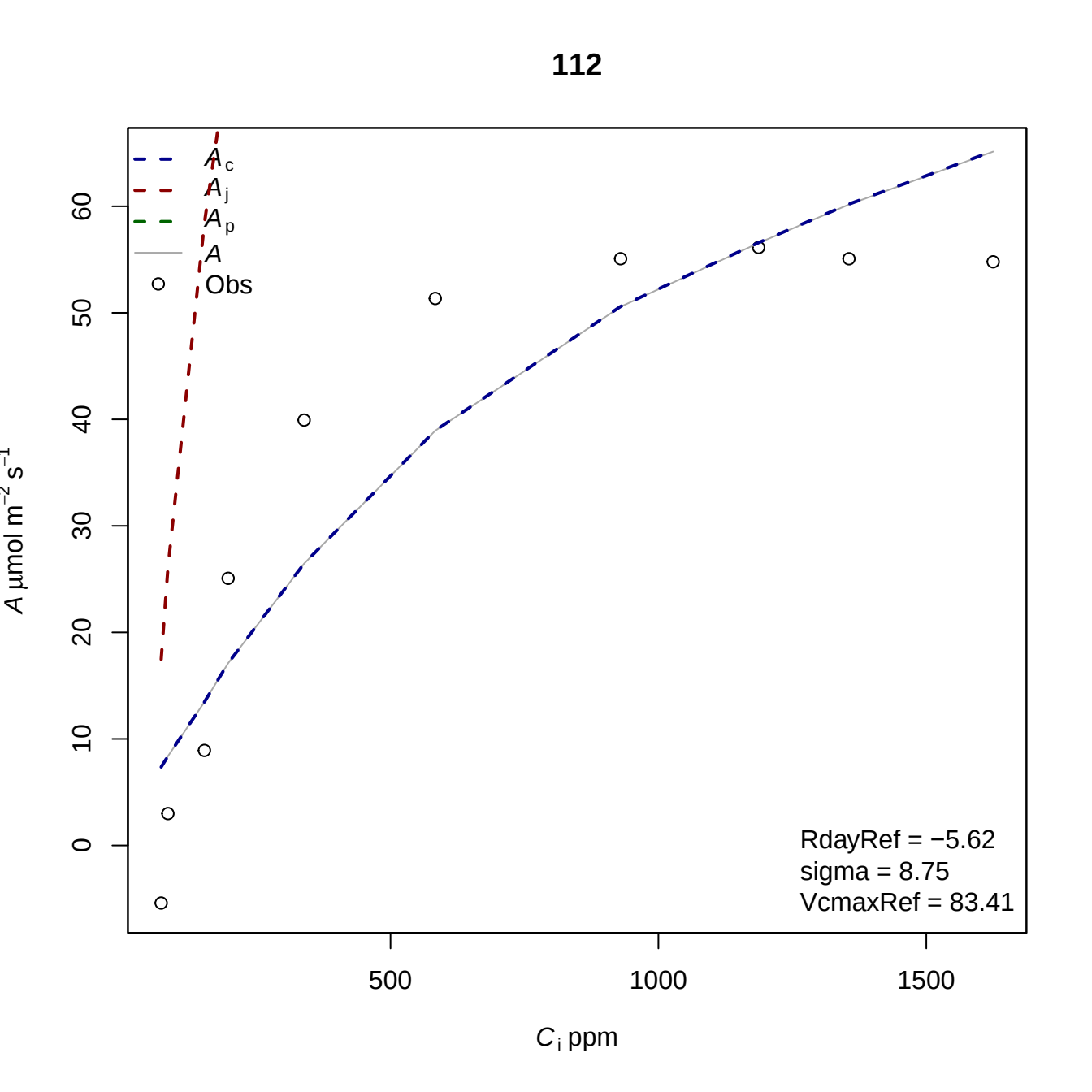

106
A_c
A_j
A_p
A
Obs
RdayRef = −5.49
sigma = 8.37
VcmaxRef = 82.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

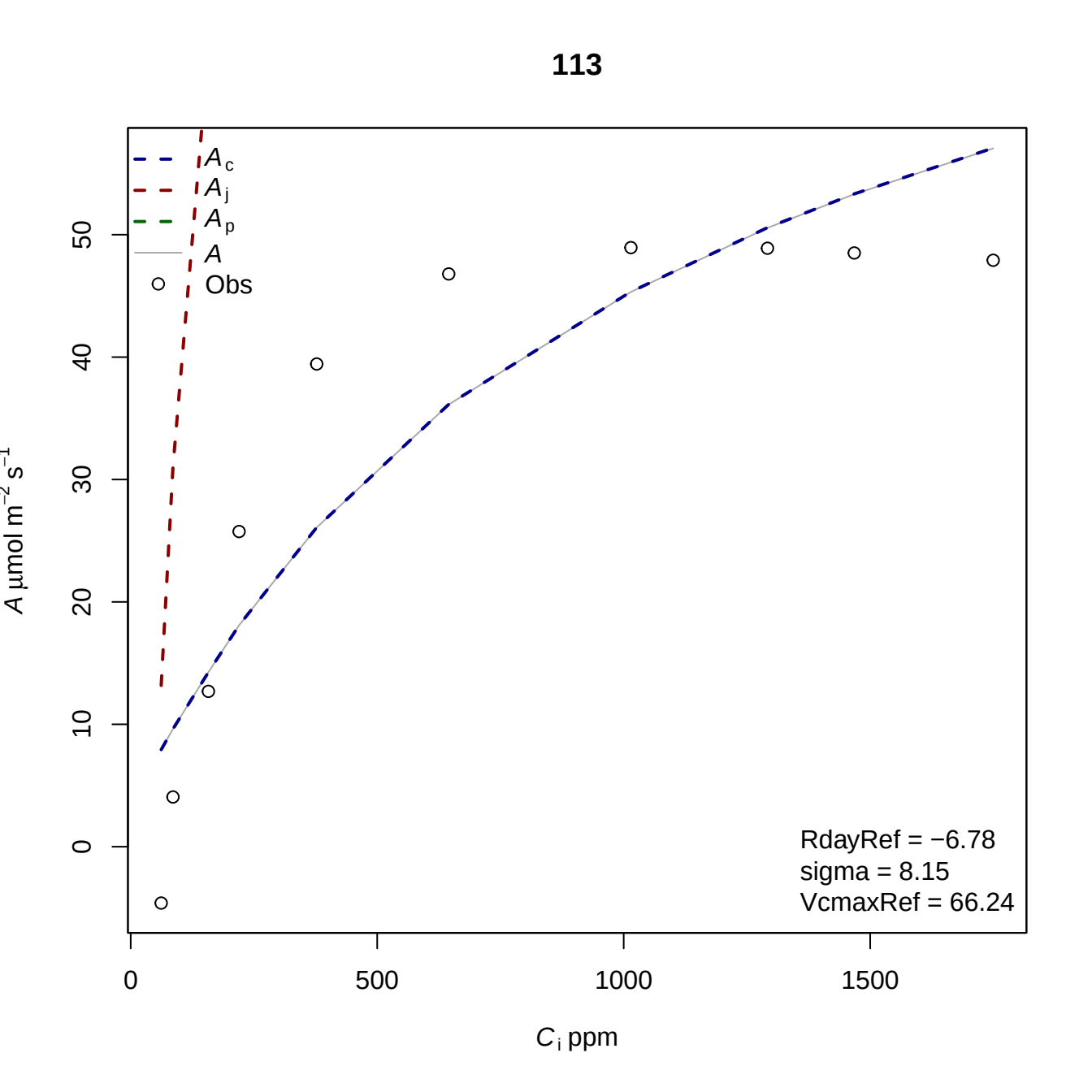

107
A_c
A_j
A_p
A
Obs
RdayRef = −6.96
sigma = 8.92
VcmaxRef = 73.24
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

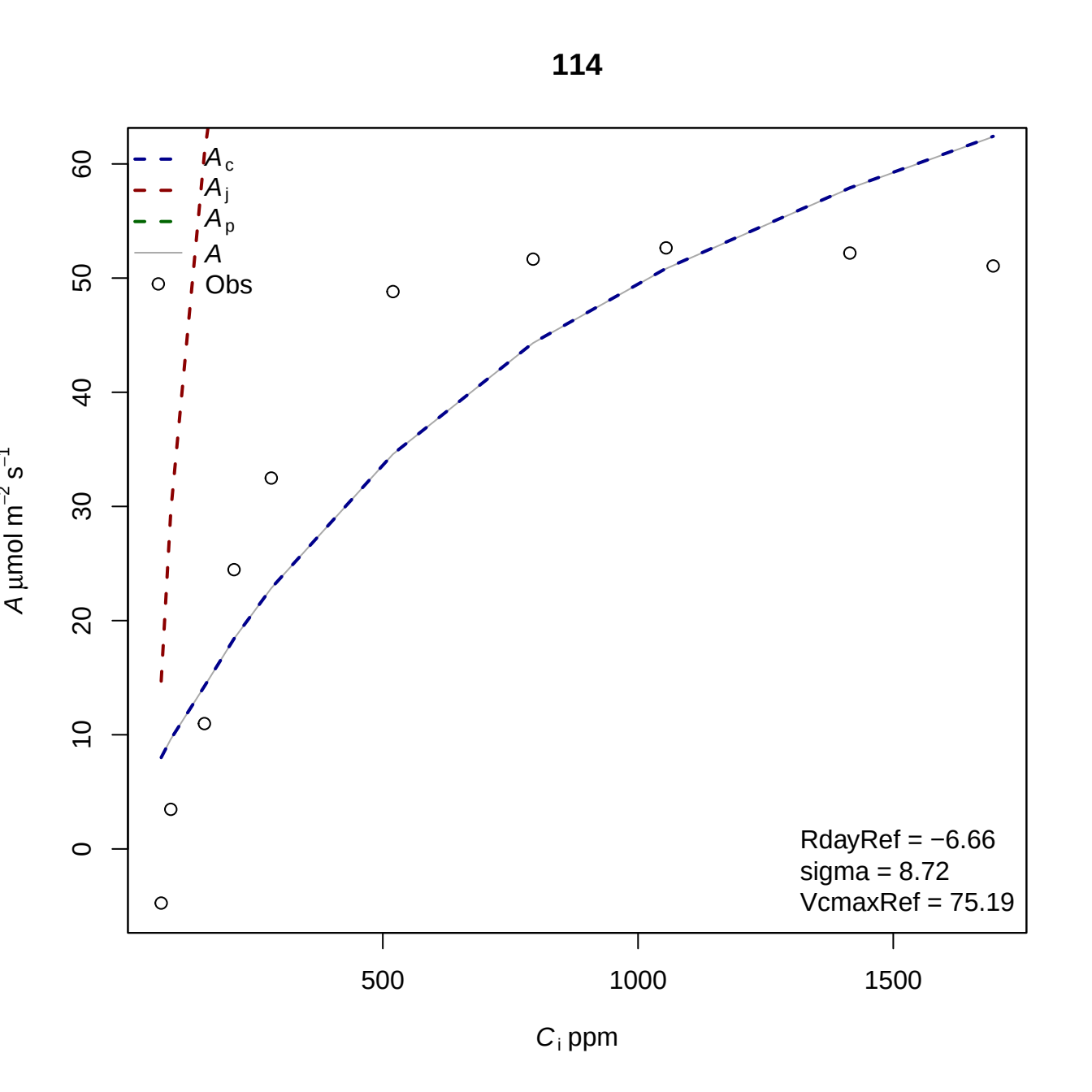

108
A_c
A_j
A_p
A
Obs
RdayRef = −7.74
sigma = 9.42
VcmaxRef = 76.7
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

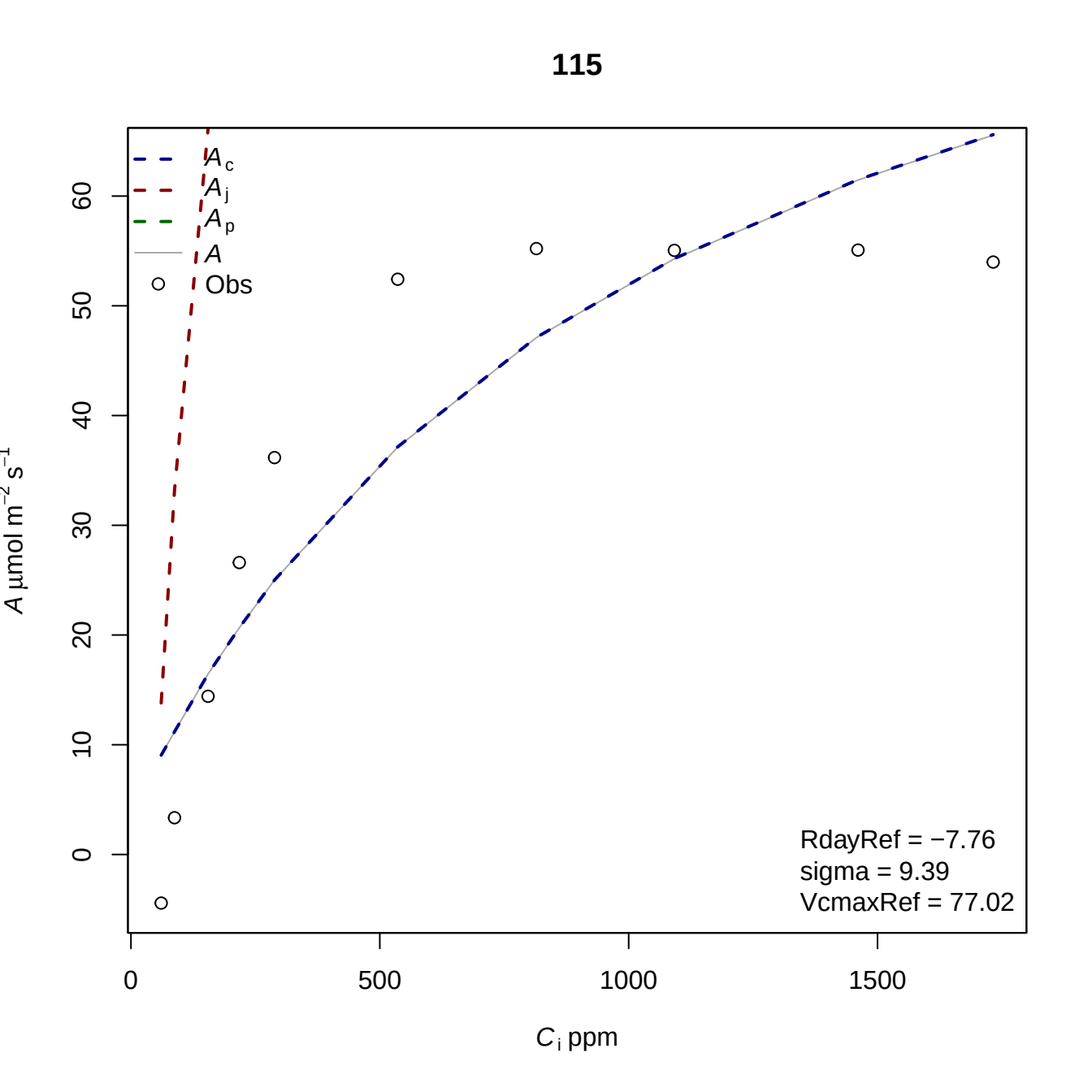

109
A_c
A_j
A_p
A
Obs
RdayRef = −7.62
sigma = 9.4
VcmaxRef = 74.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

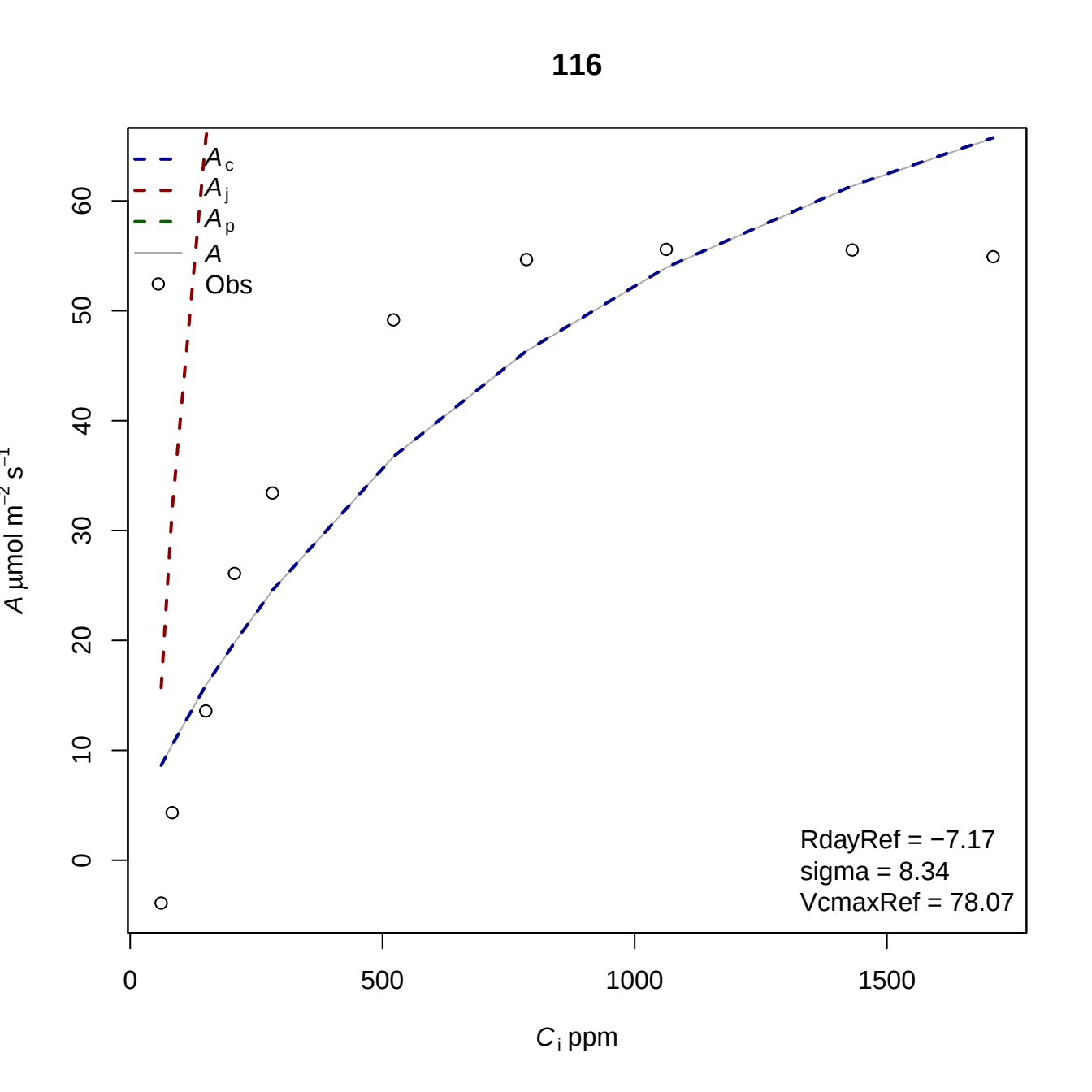

110
A_c
A_j
A_p
A
Obs
RdayRef = −8.65
sigma = 9.84
VcmaxRef = 73
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

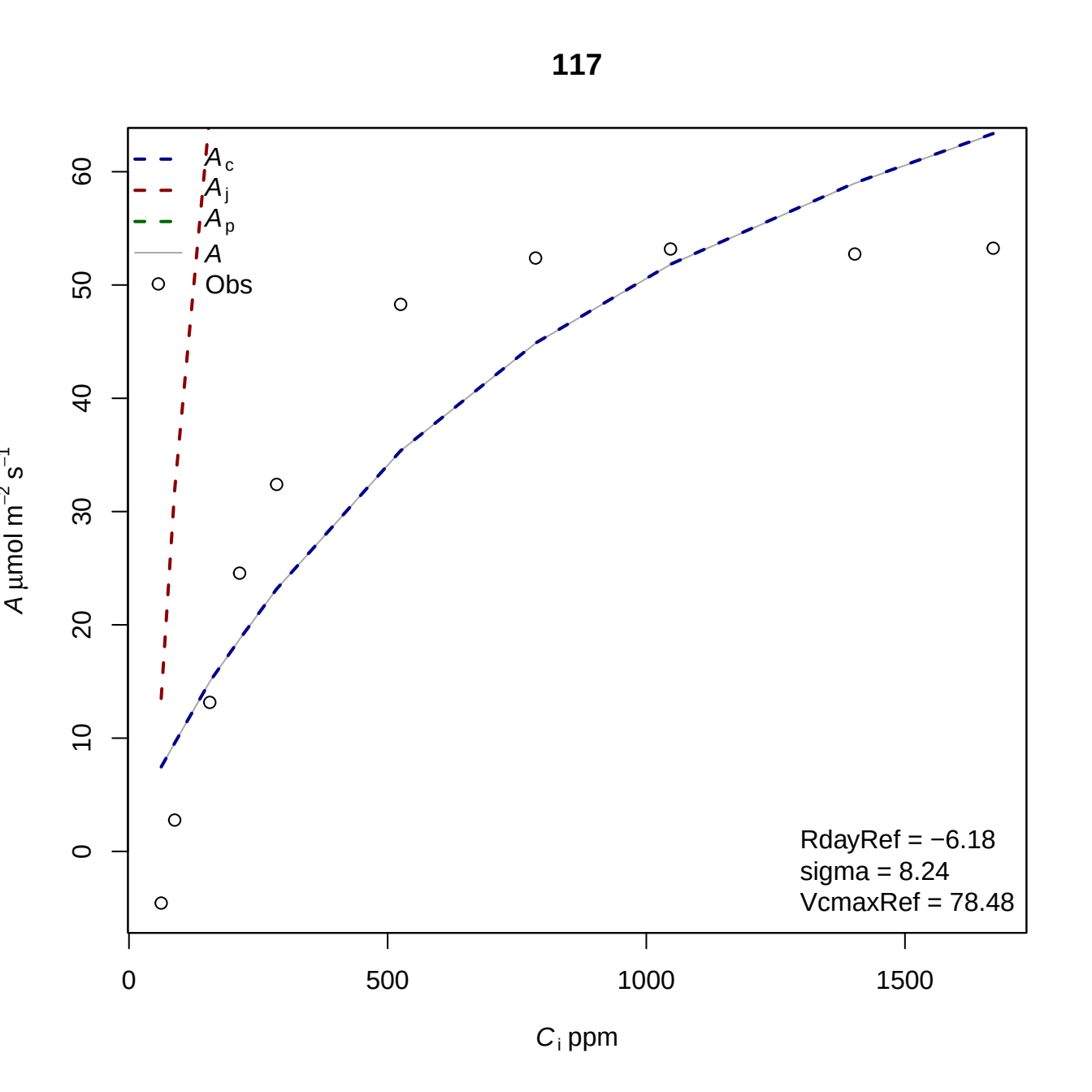

112
A_c
A_j
A_p
A
Obs
RdayRef = −5.62
sigma = 8.75
VcmaxRef = 83.41
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

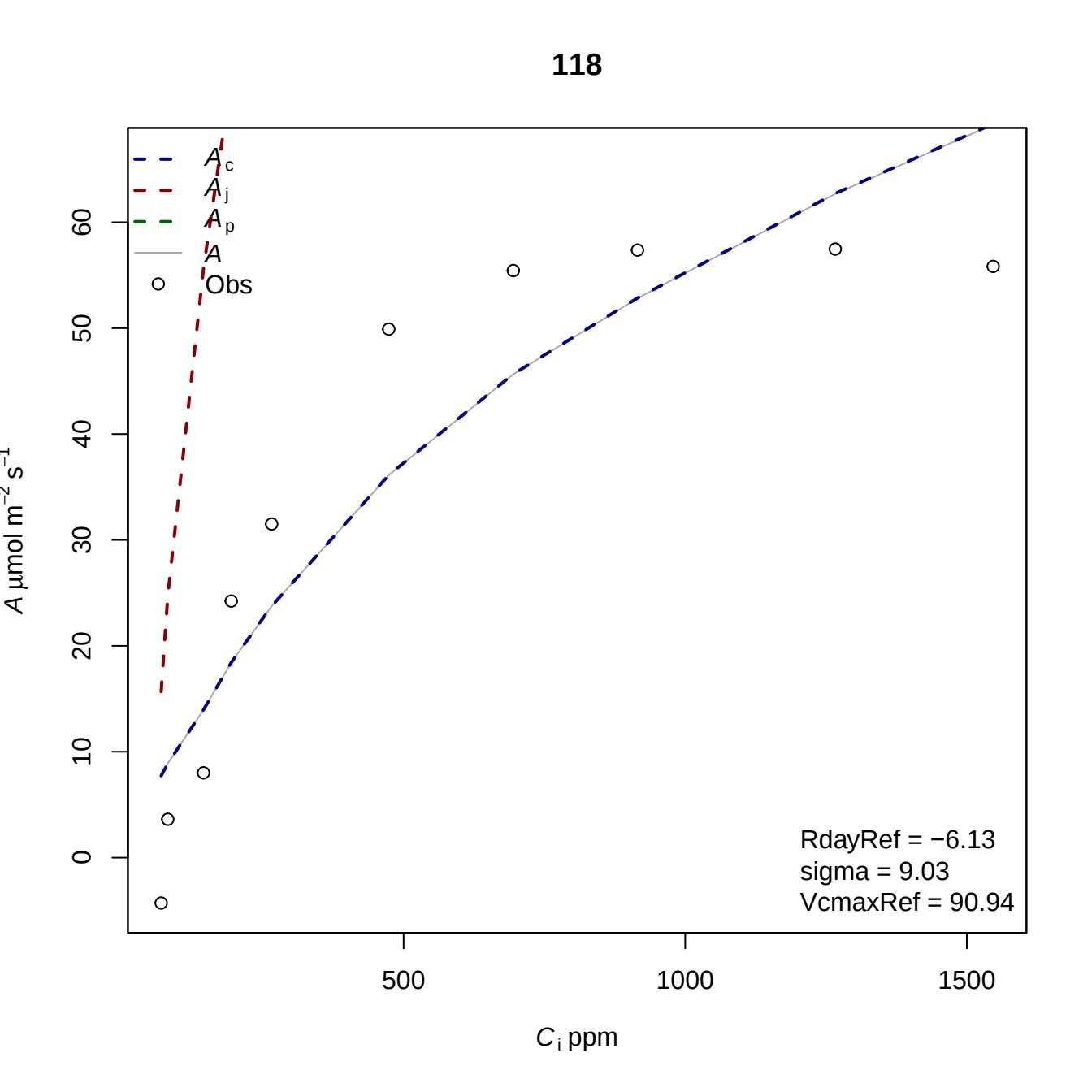

113
A_c
A_j
A_p
A
Obs
RdayRef = −6.78
sigma = 8.15
VcmaxRef = 66.24
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

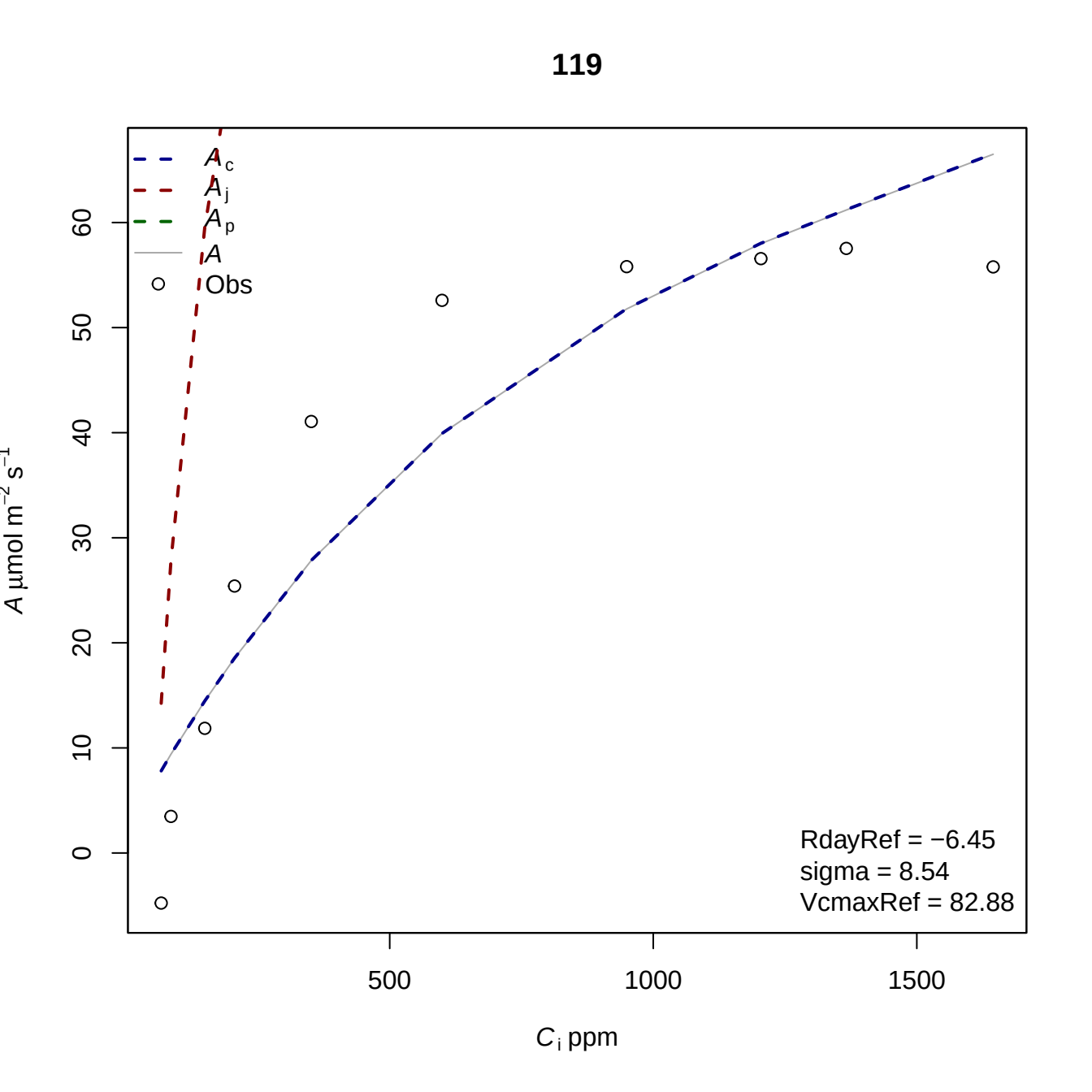

114
A_c
A_j
A_p
A
Obs
RdayRef = −6.66
sigma = 8.72
VcmaxRef = 75.19
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

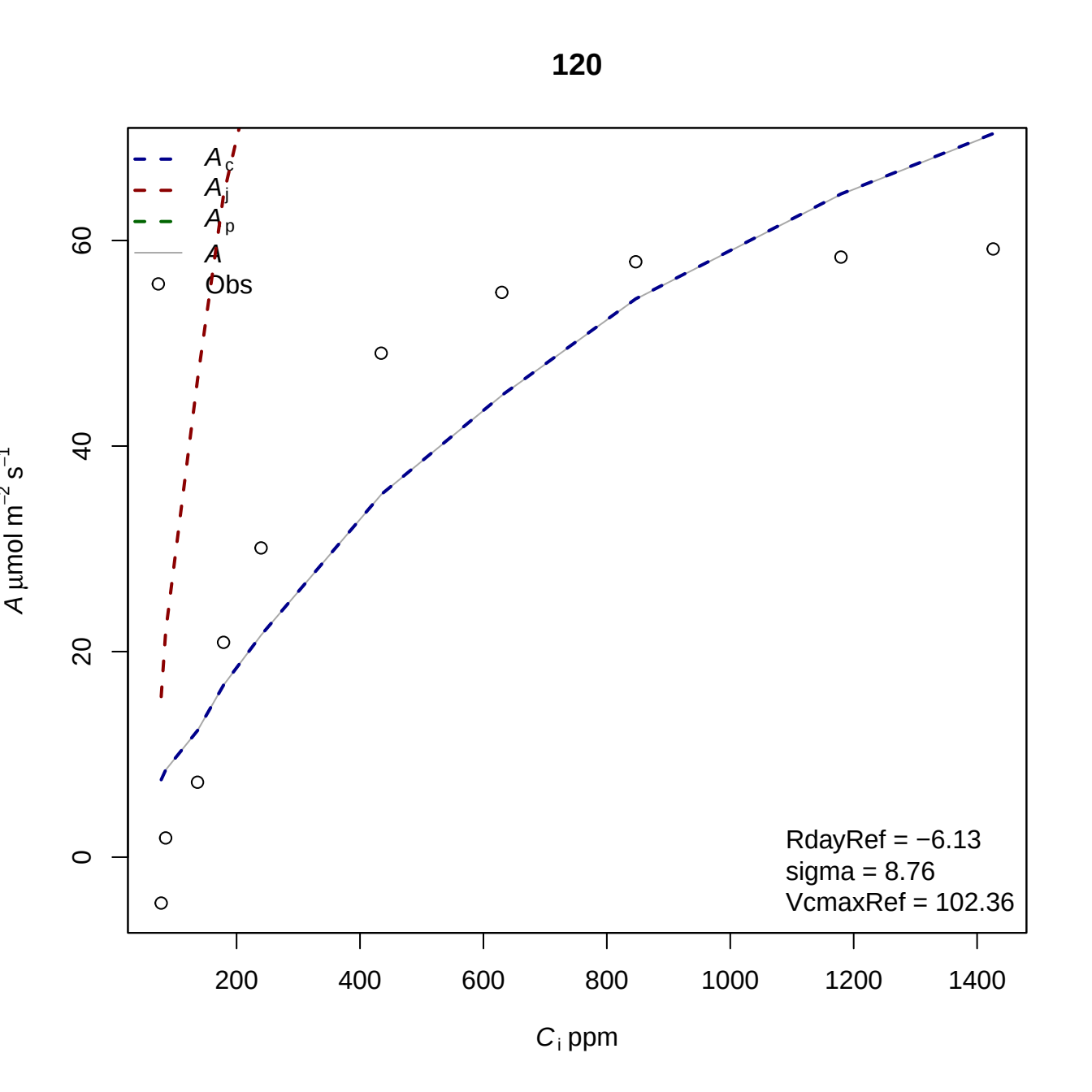

115
A_c
A_j
A_p
A
Obs
RdayRef = −7.76
sigma = 9.39
VcmaxRef = 77.02
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

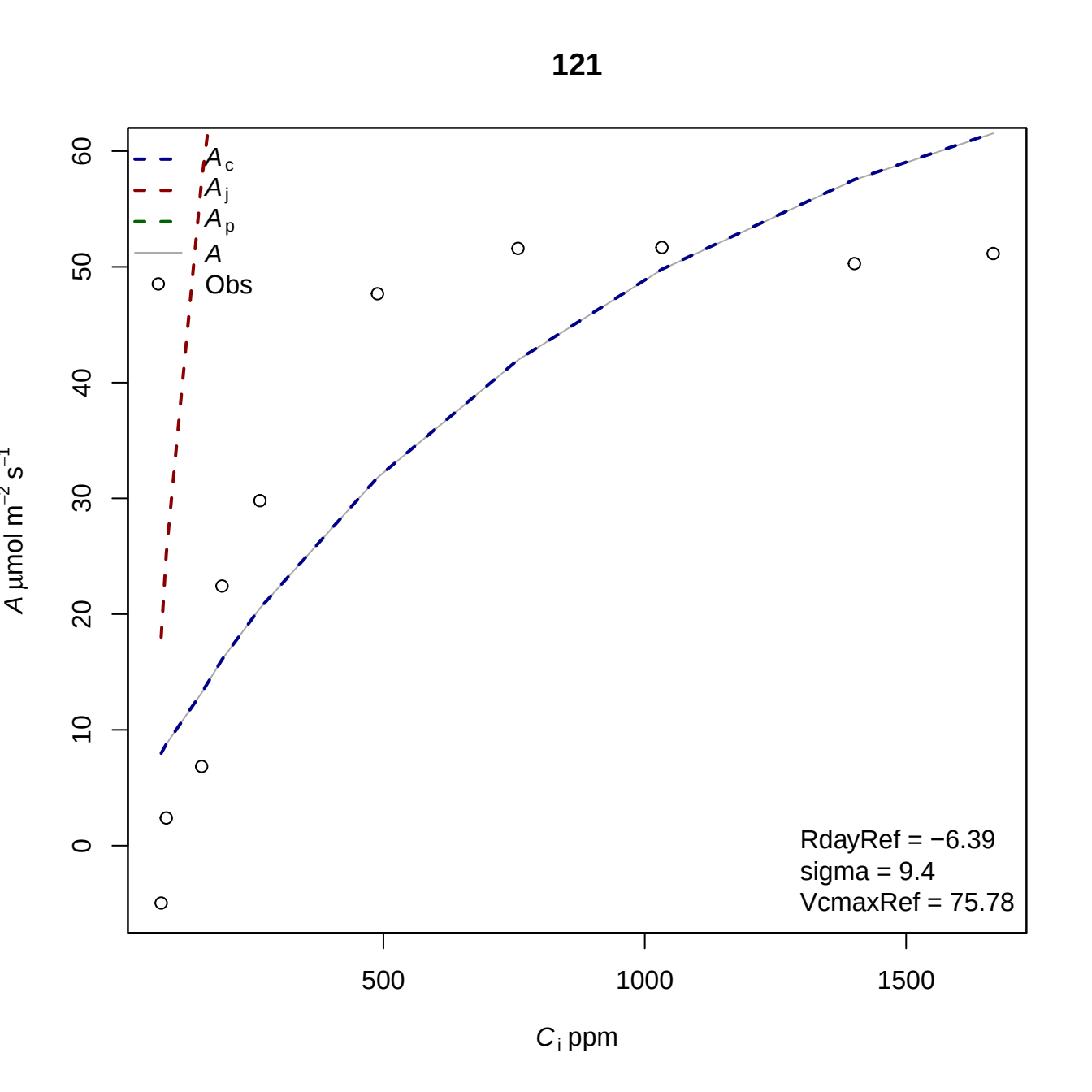

116
A_c
A_j
A_p
A
Obs
RdayRef = −7.17
sigma = 8.34
VcmaxRef = 78.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

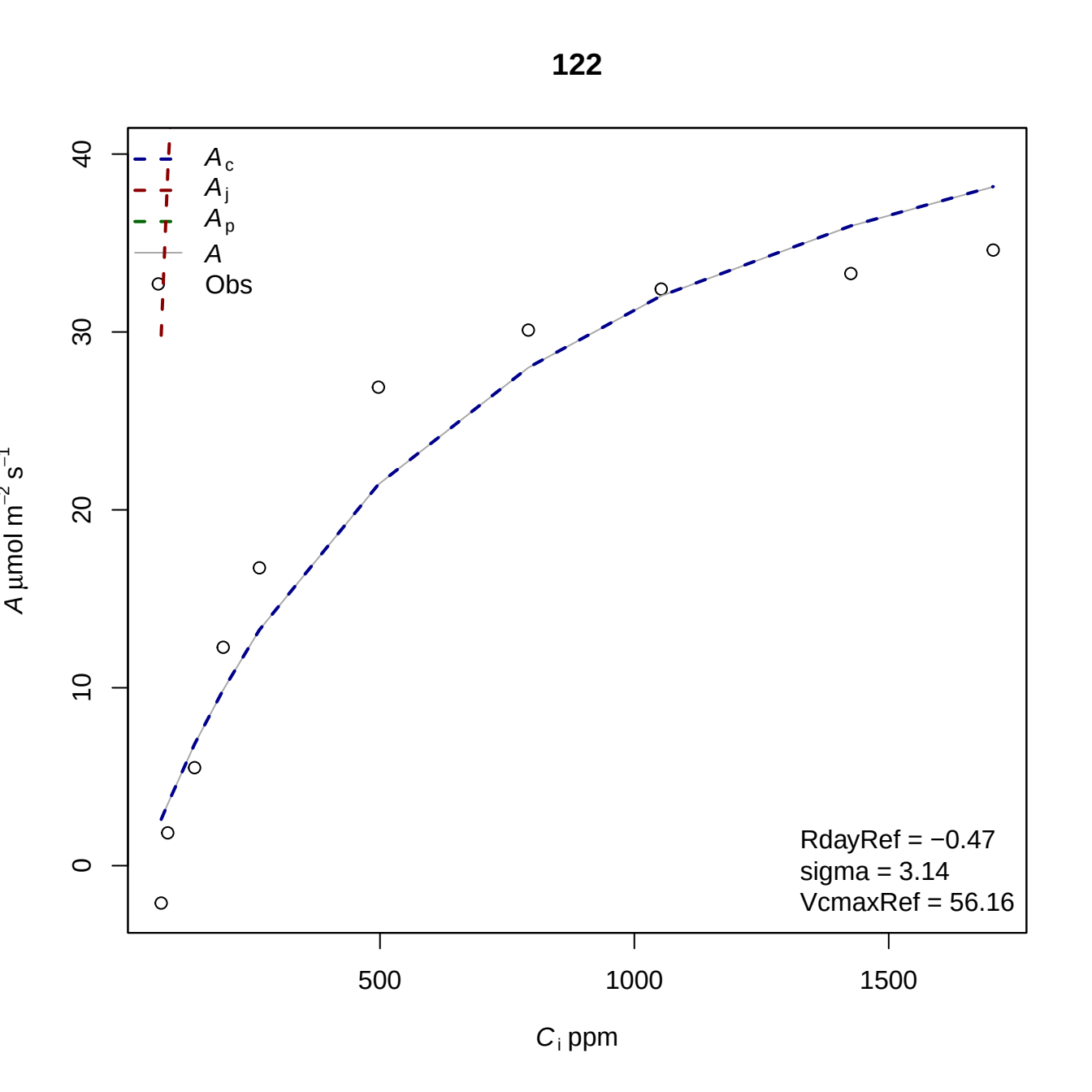

117
A_c
A_j
A_p
A
Obs
RdayRef = −6.18
sigma = 8.24
VcmaxRef = 78.48
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

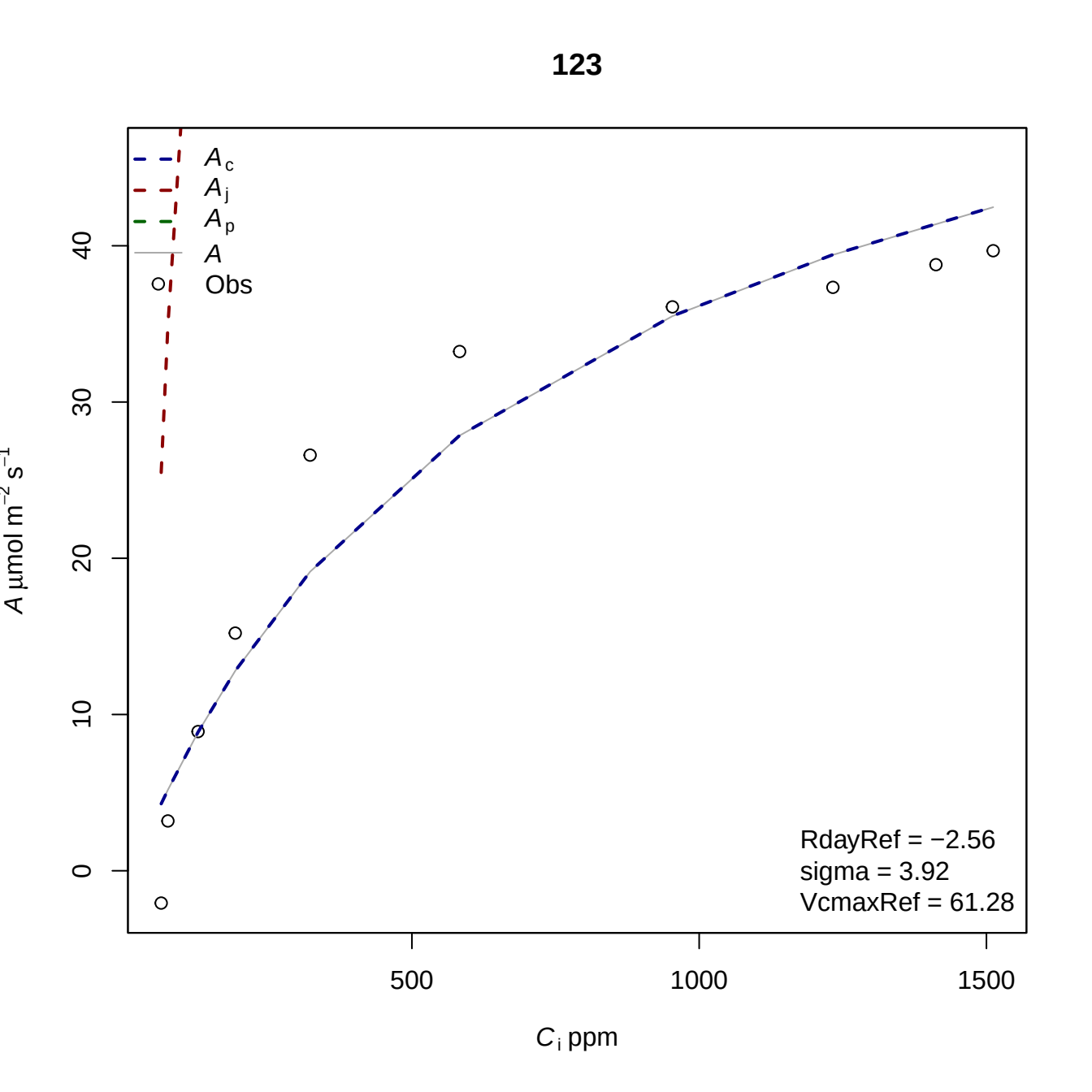

118
A_c
A_j
A_p
A
Obs
RdayRef = −6.13
sigma = 9.03
VcmaxRef = 90.94
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

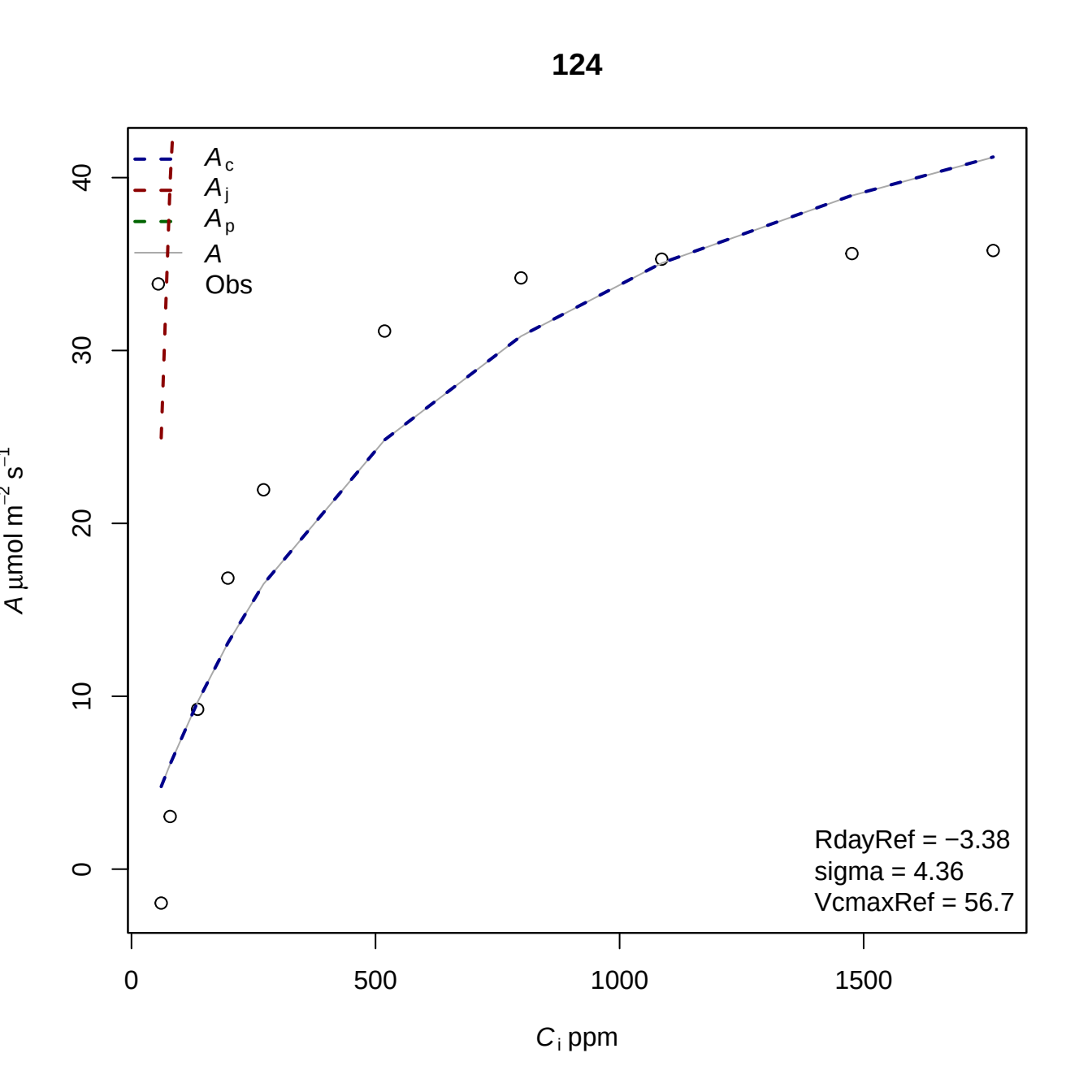

119
A_c
A_j
A_p
A
Obs
RdayRef = −6.45
sigma = 8.54
VcmaxRef = 82.88
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

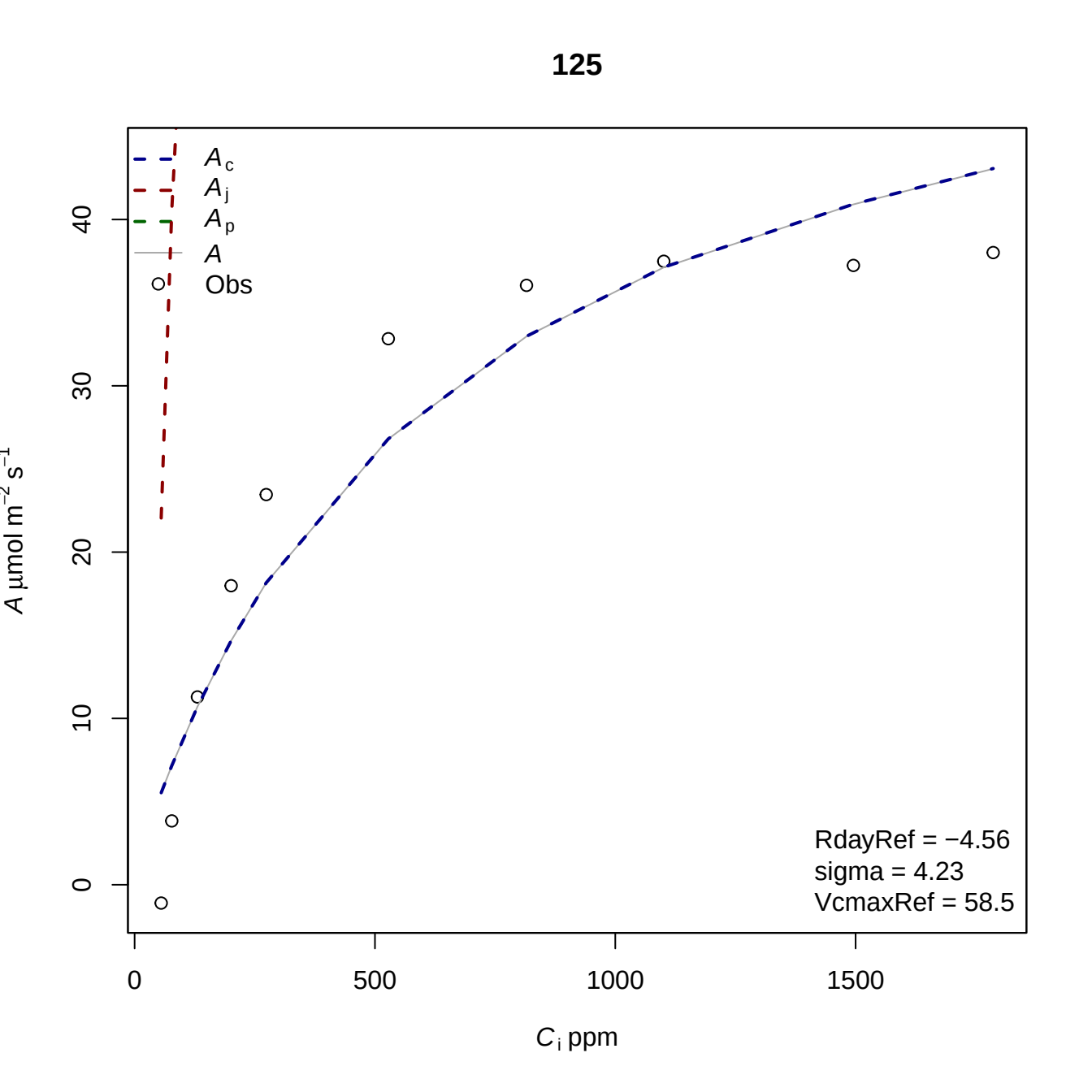

120
A_c
A_j
A_p
A
Obs
RdayRef = −6.13
sigma = 8.76
VcmaxRef = 102.36
0
20
40
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

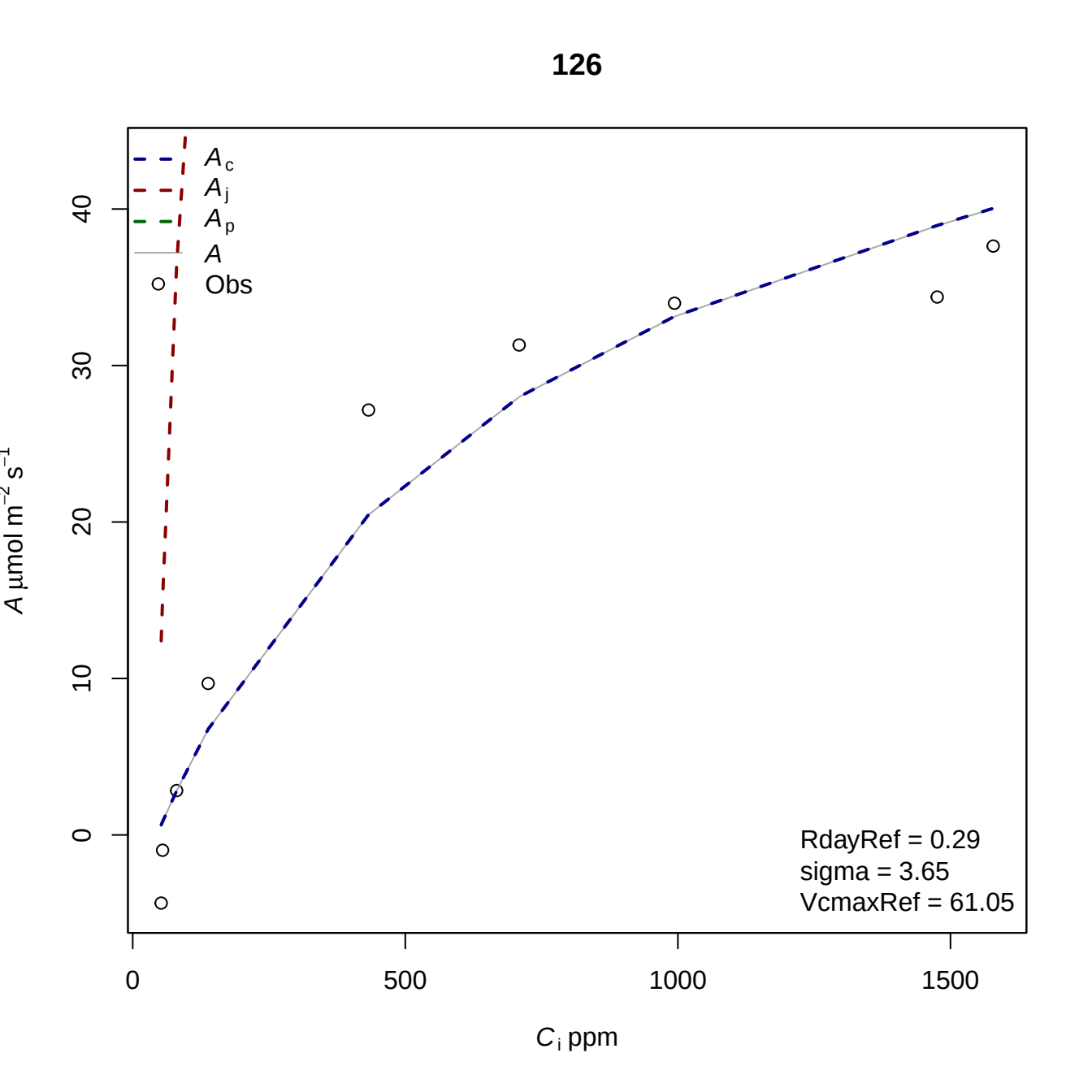

121
A_c
A_j
A_p
A
Obs
RdayRef = −6.39
sigma = 9.4
VcmaxRef = 75.78
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

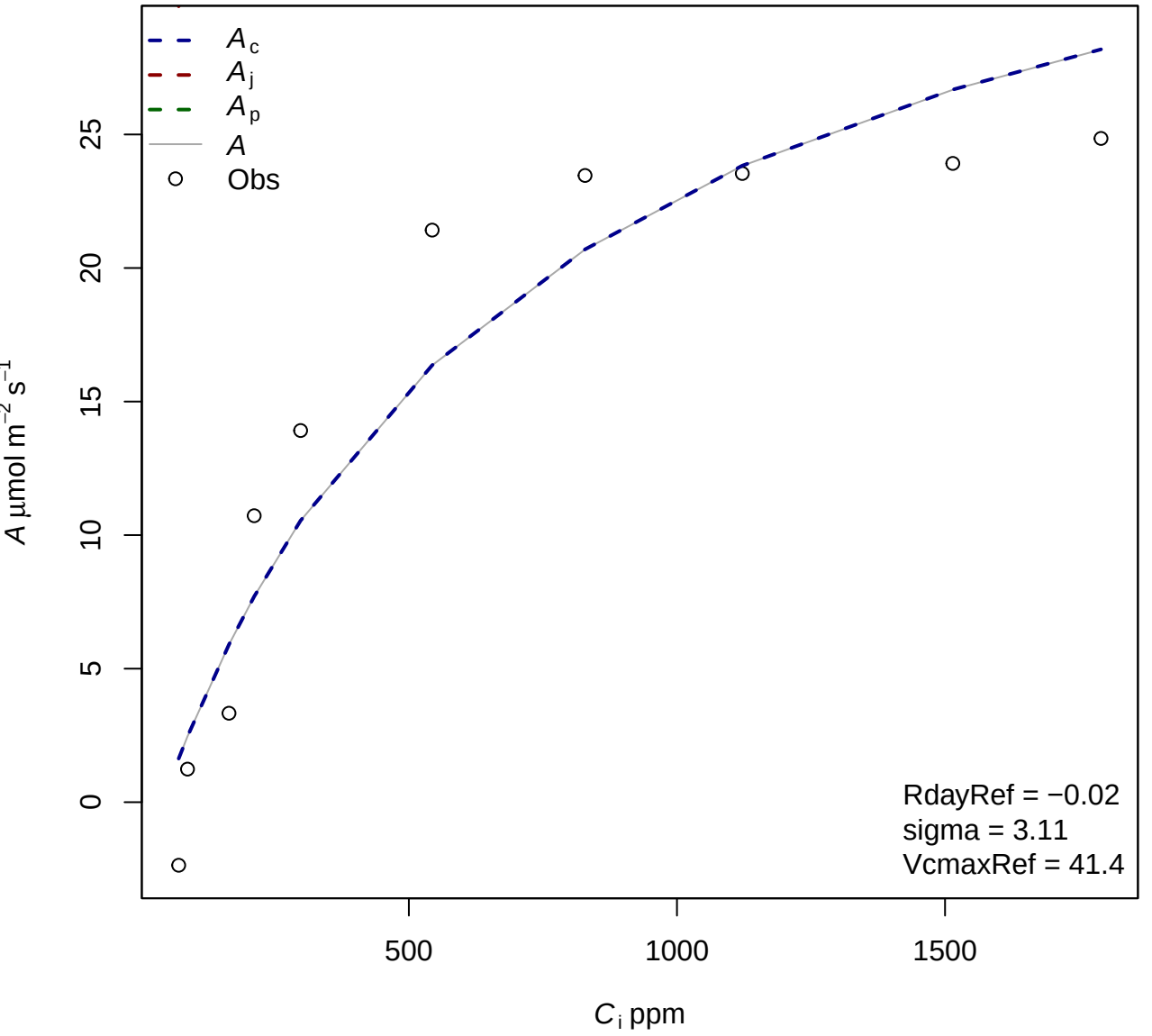

122
A_c
A_j
A_p
A
Obs
RdayRef = −0.47
sigma = 3.14
VcmaxRef = 56.16
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

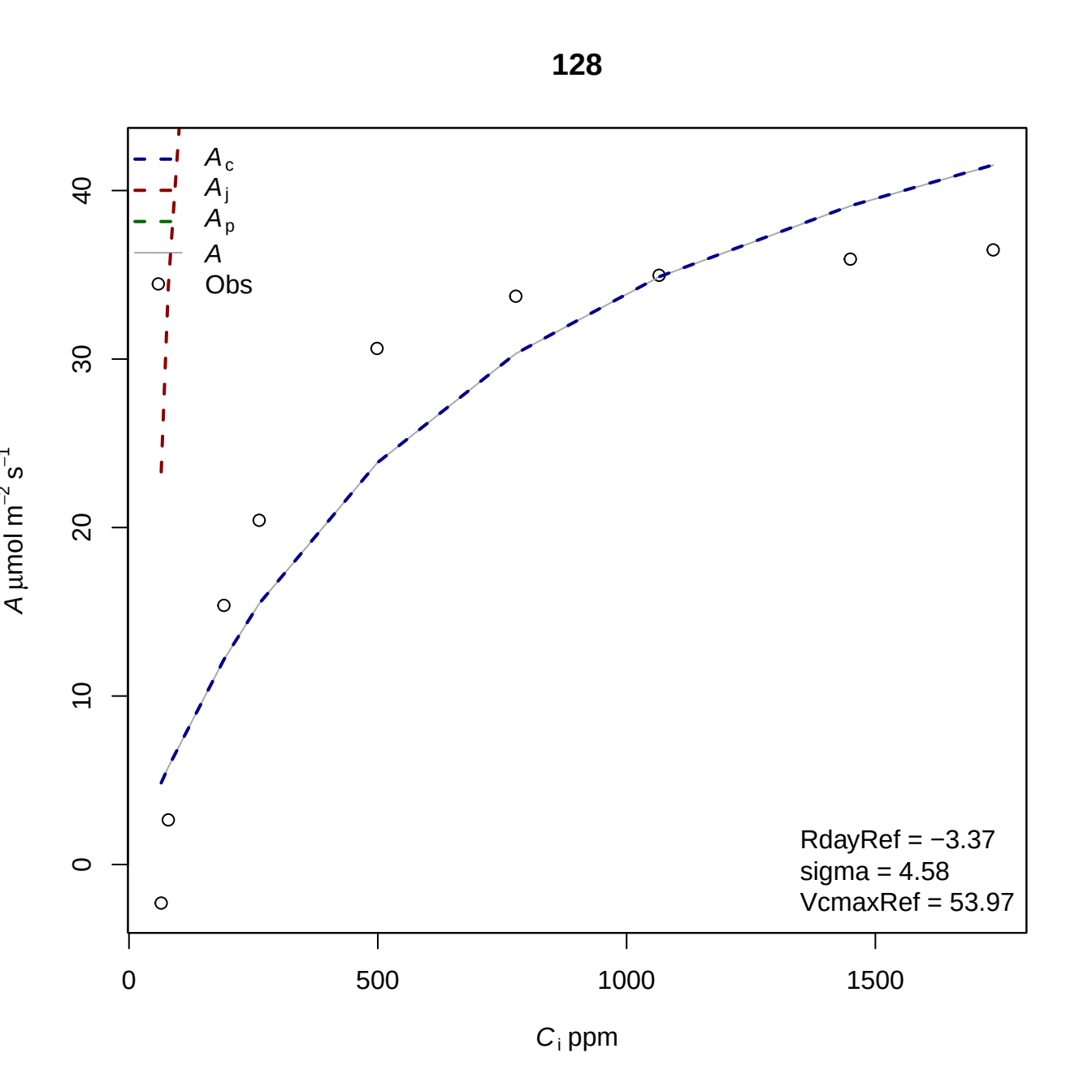

123
A_c
A_j
A_p
A
Obs
RdayRef = −2.56
sigma = 3.92
VcmaxRef = 61.28
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

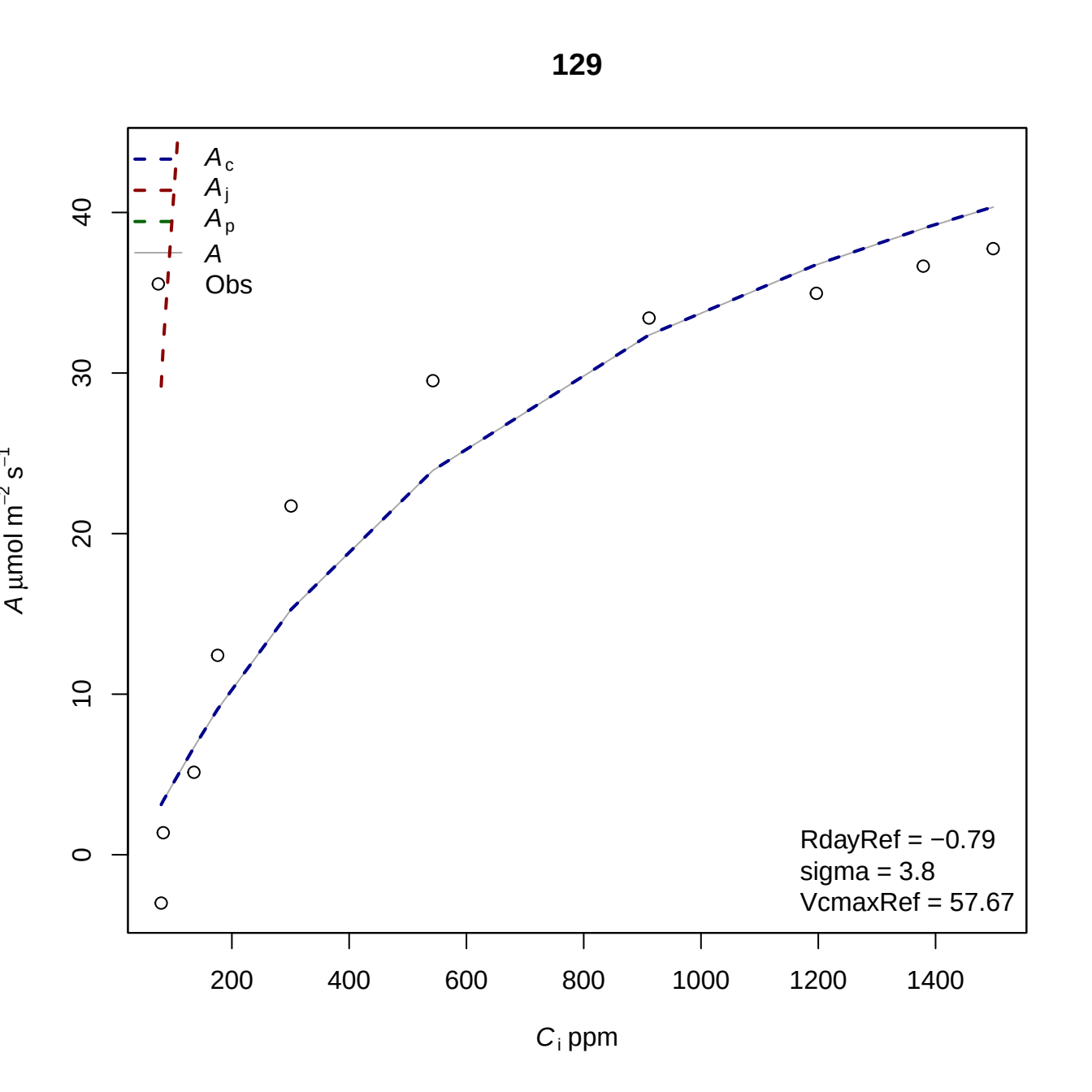

124
A_c
A_j
A_p
A
Obs
RdayRef = −3.38
sigma = 4.36
VcmaxRef = 56.7
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

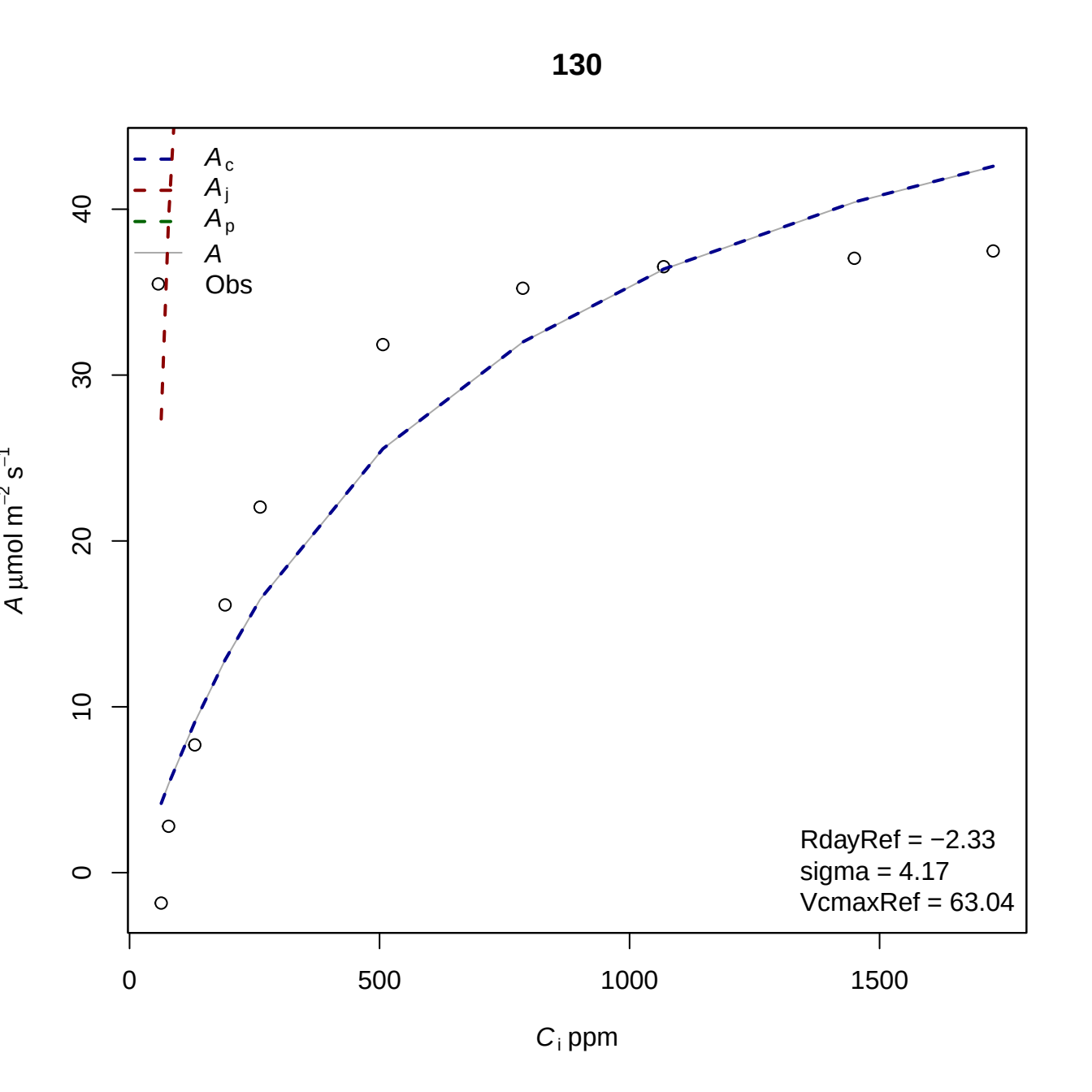

125
A_c
A_j
A_p
A
Obs
RdayRef = −4.56
sigma = 4.23
VcmaxRef = 58.5
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

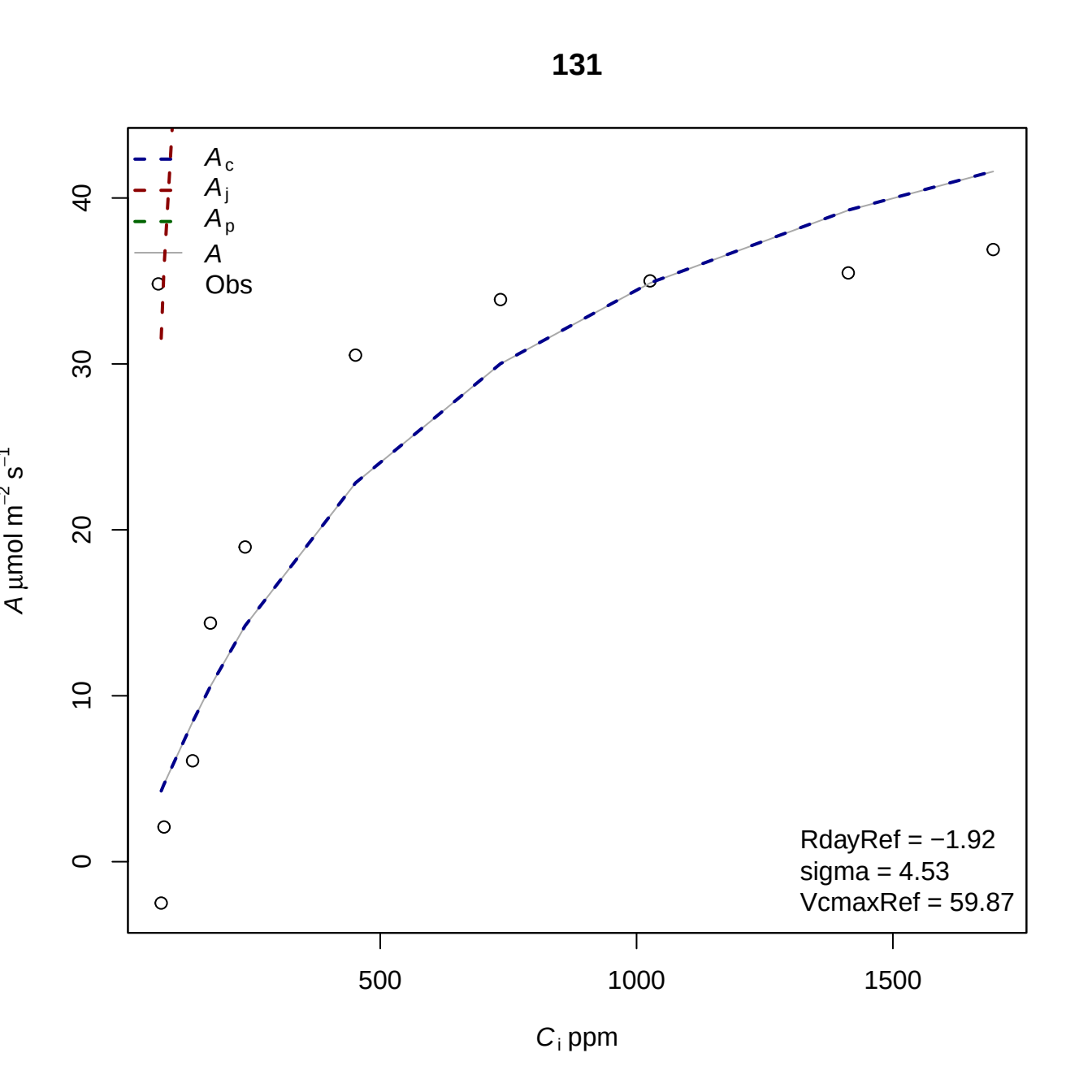

126
A_c
A_j
A_p
A
Obs
RdayRef = 0.29
sigma = 3.65
VcmaxRef = 61.05
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

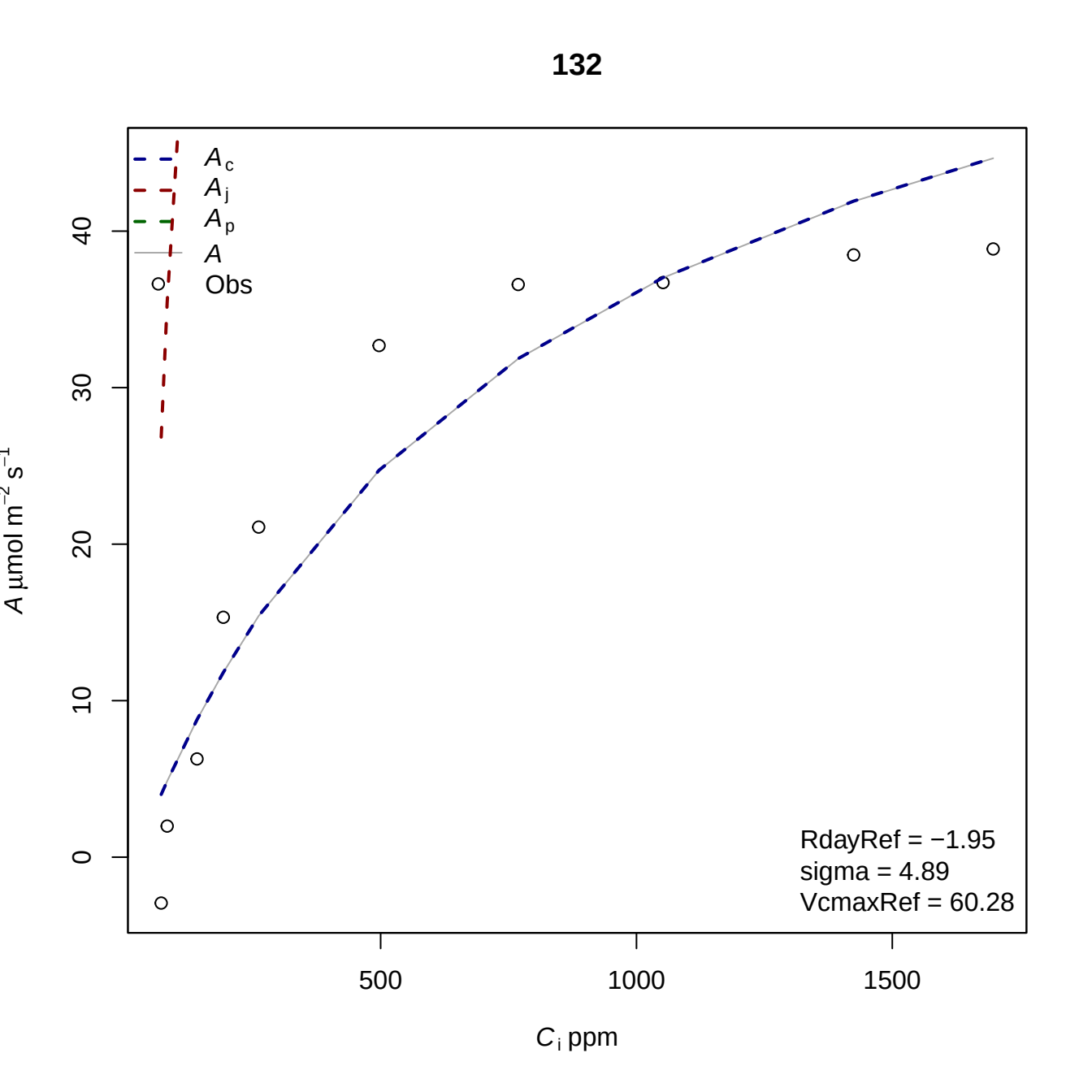

A_c
A_j
A_p
A
Obs
RdayRef = −0.02
sigma = 3.11
VcmaxRef = 41.4
0
5
10
15
20
25
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

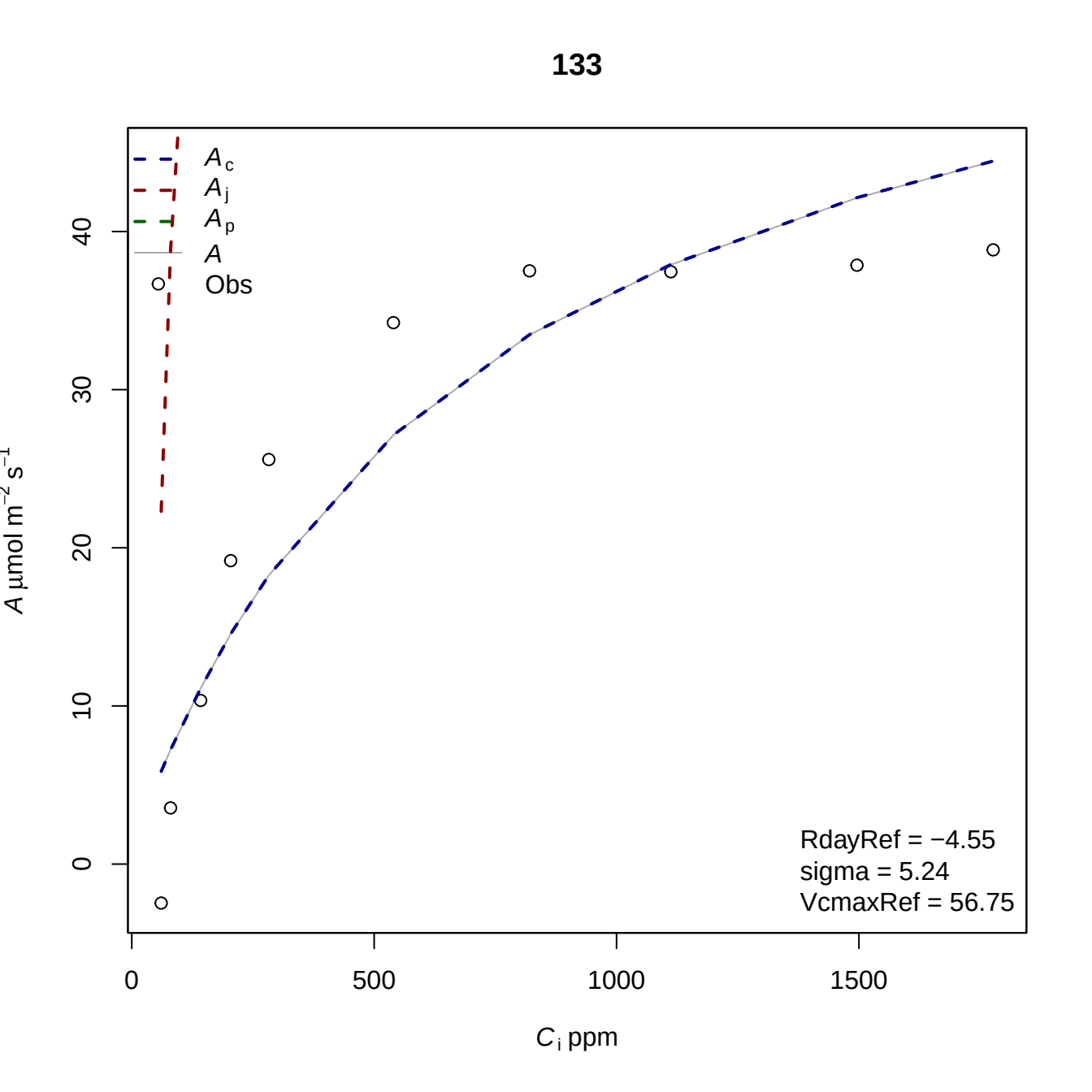

128
A_c
A_j
A_p
A
Obs
RdayRef = −3.37
sigma = 4.58
VcmaxRef = 53.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

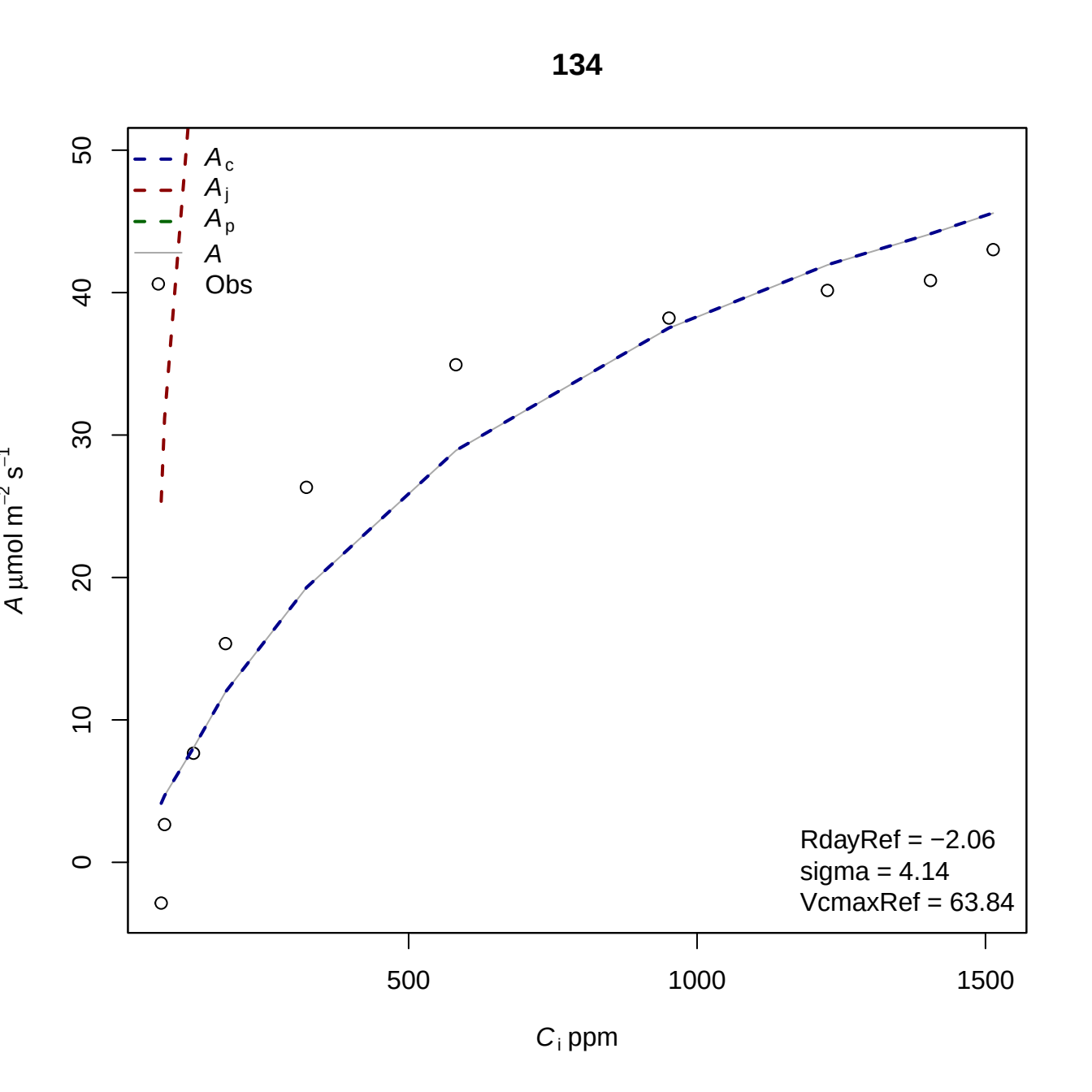

129
A_c
A_j
A_p
A
Obs
RdayRef = −0.79
sigma = 3.8
VcmaxRef = 57.67
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200
1400

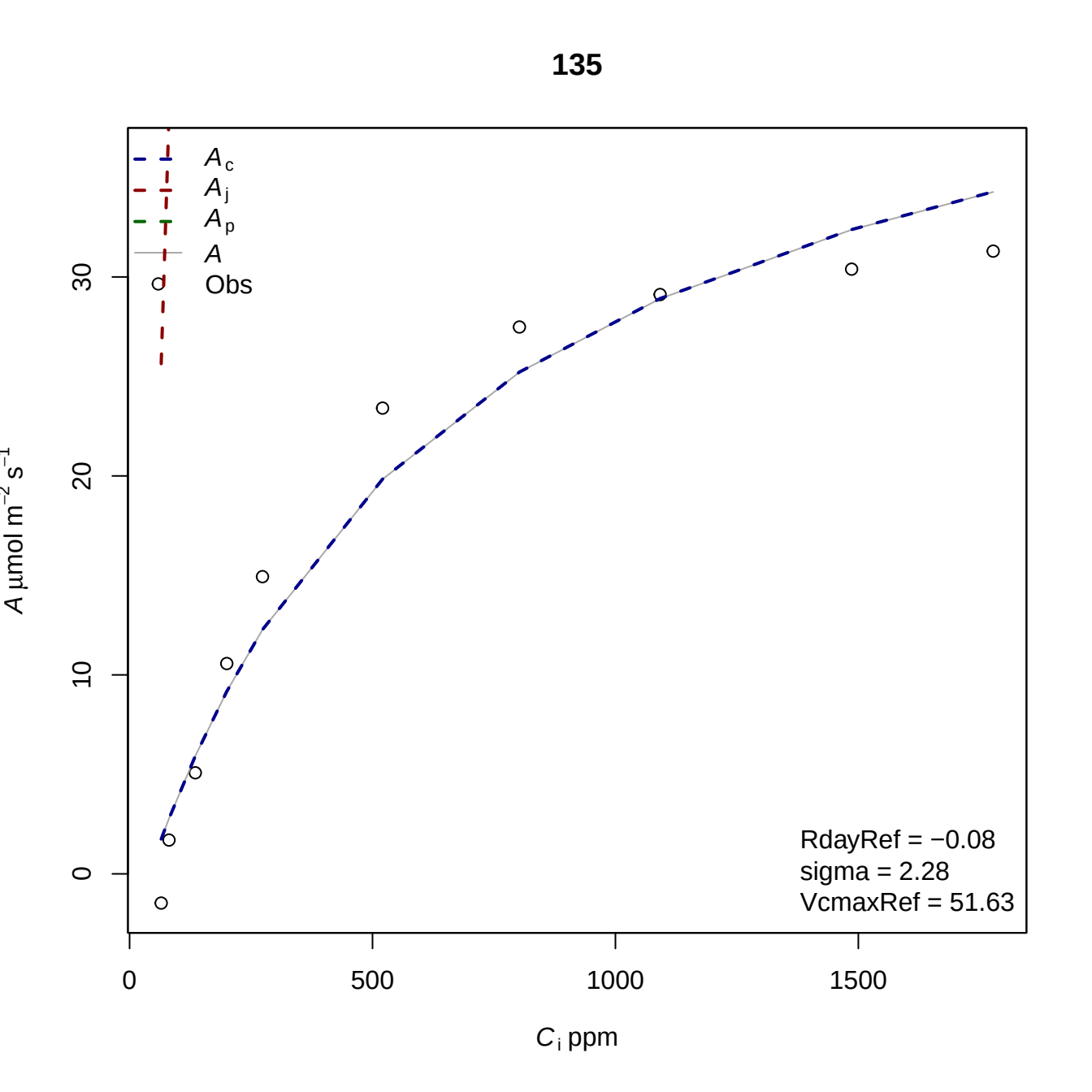

130
A_c
A_j
A_p
A
Obs
RdayRef = −2.33
sigma = 4.17
VcmaxRef = 63.04
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

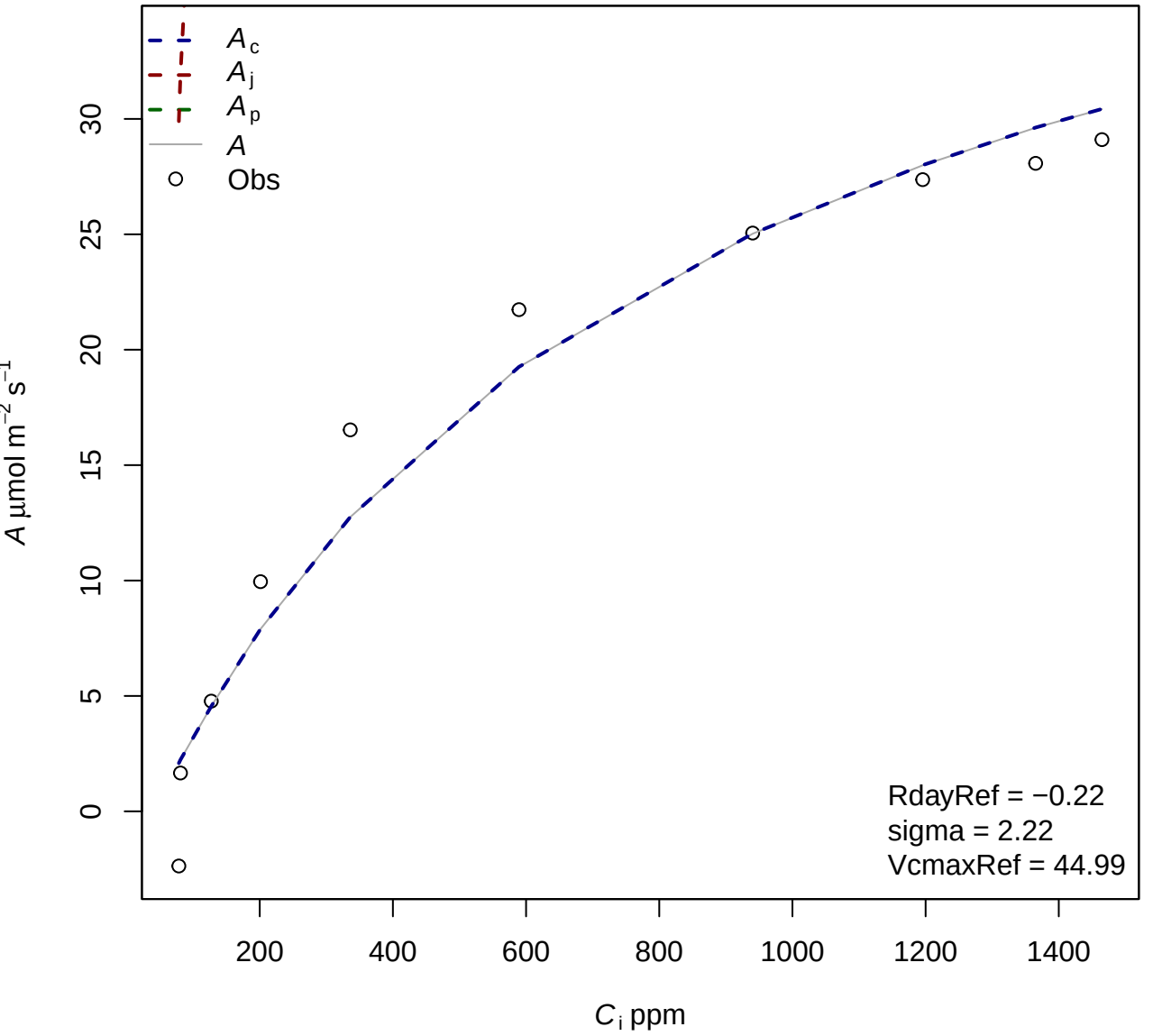

131
A_c
A_j
A_p
A
Obs
RdayRef = −1.92
sigma = 4.53
VcmaxRef = 59.87
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

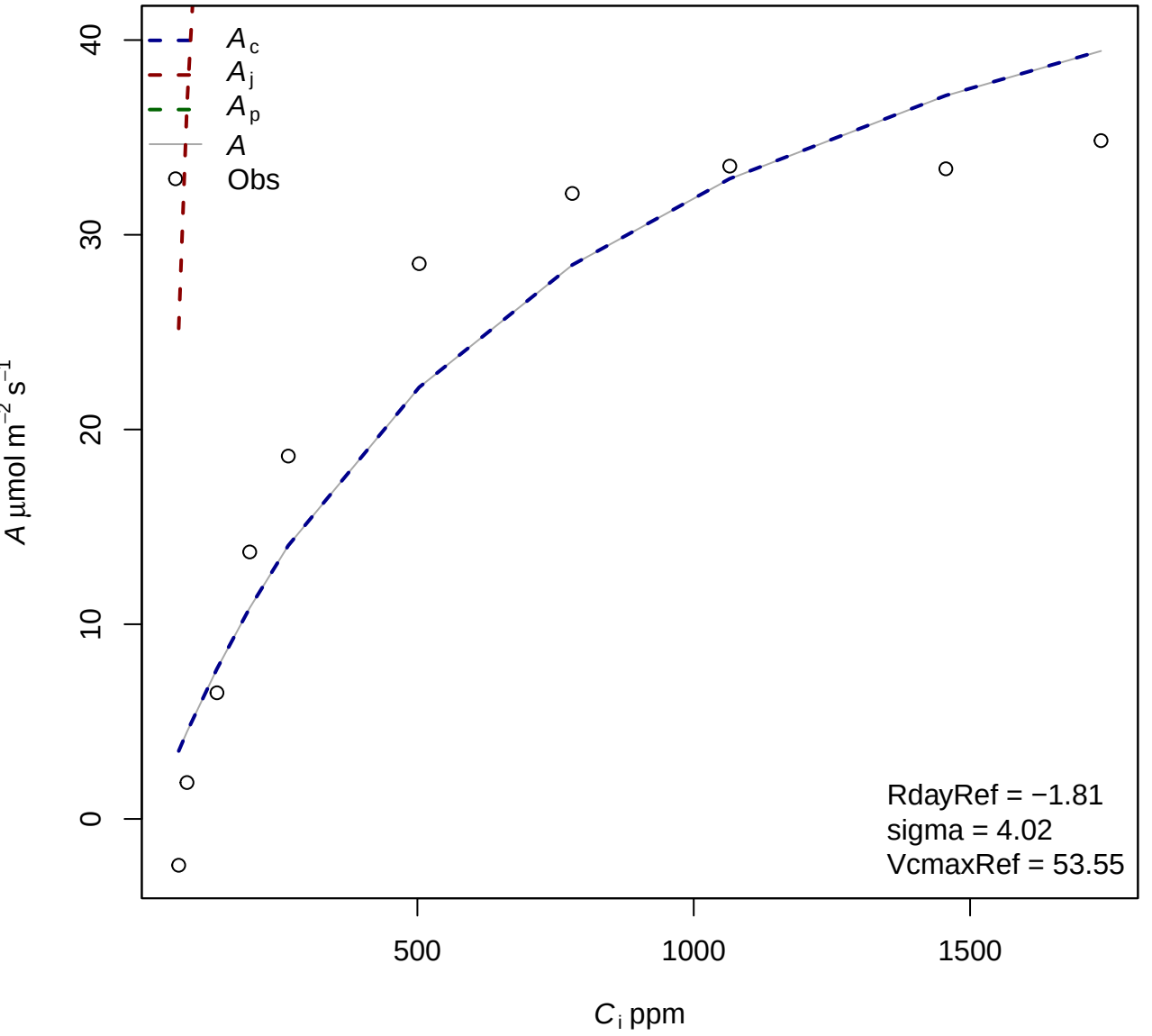

132
A_c
A_j
A_p
A
Obs
RdayRef = −1.95
sigma = 4.89
VcmaxRef = 60.28
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

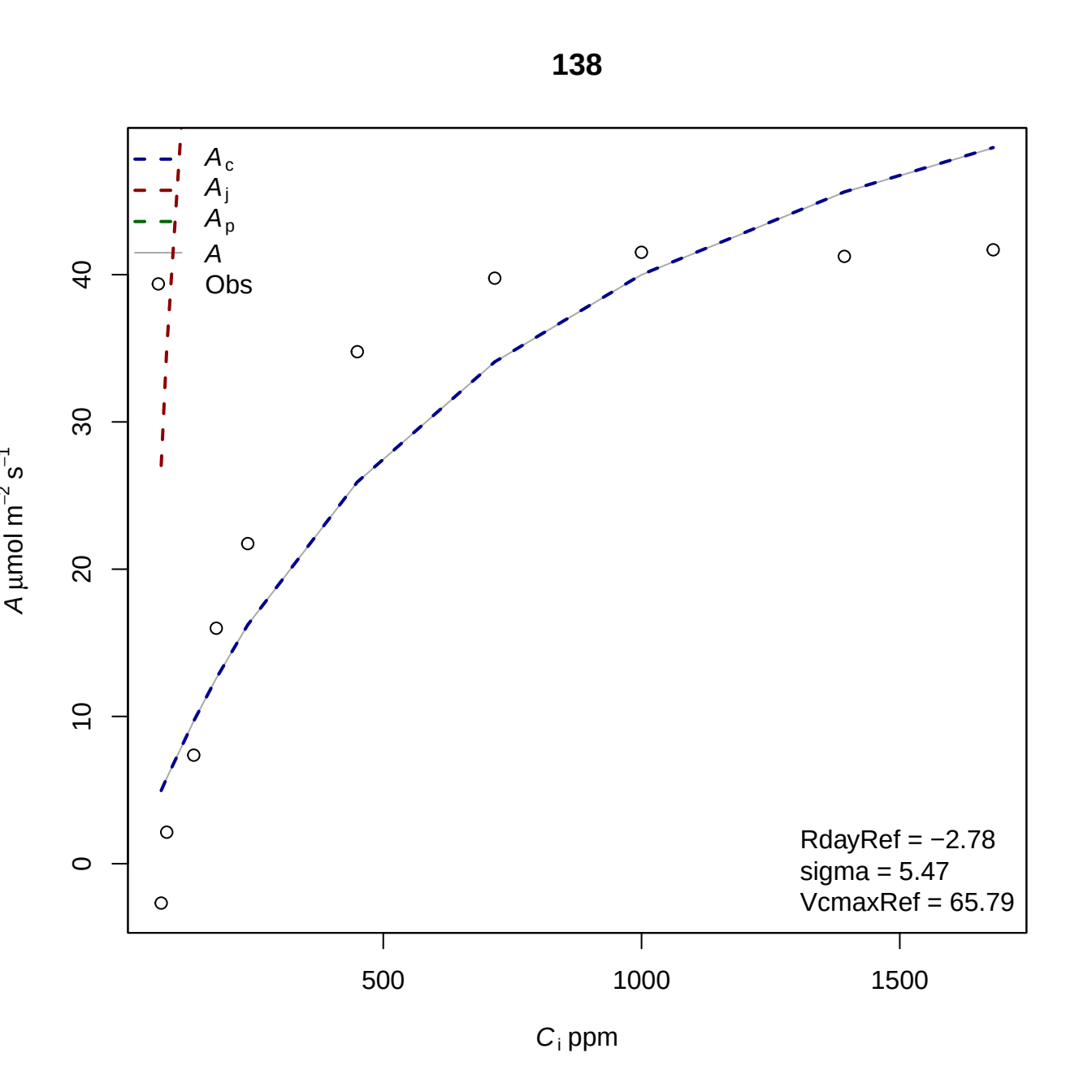

133
A_c
A_j
A_p
A
Obs
RdayRef = −4.55
sigma = 5.24
VcmaxRef = 56.75
0
10
20
30
40
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm


134
A_c
A_j
A_p
A
Obs
RdayRef = −2.06
sigma = 4.14
VcmaxRef = 63.84
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
500
1000
1500

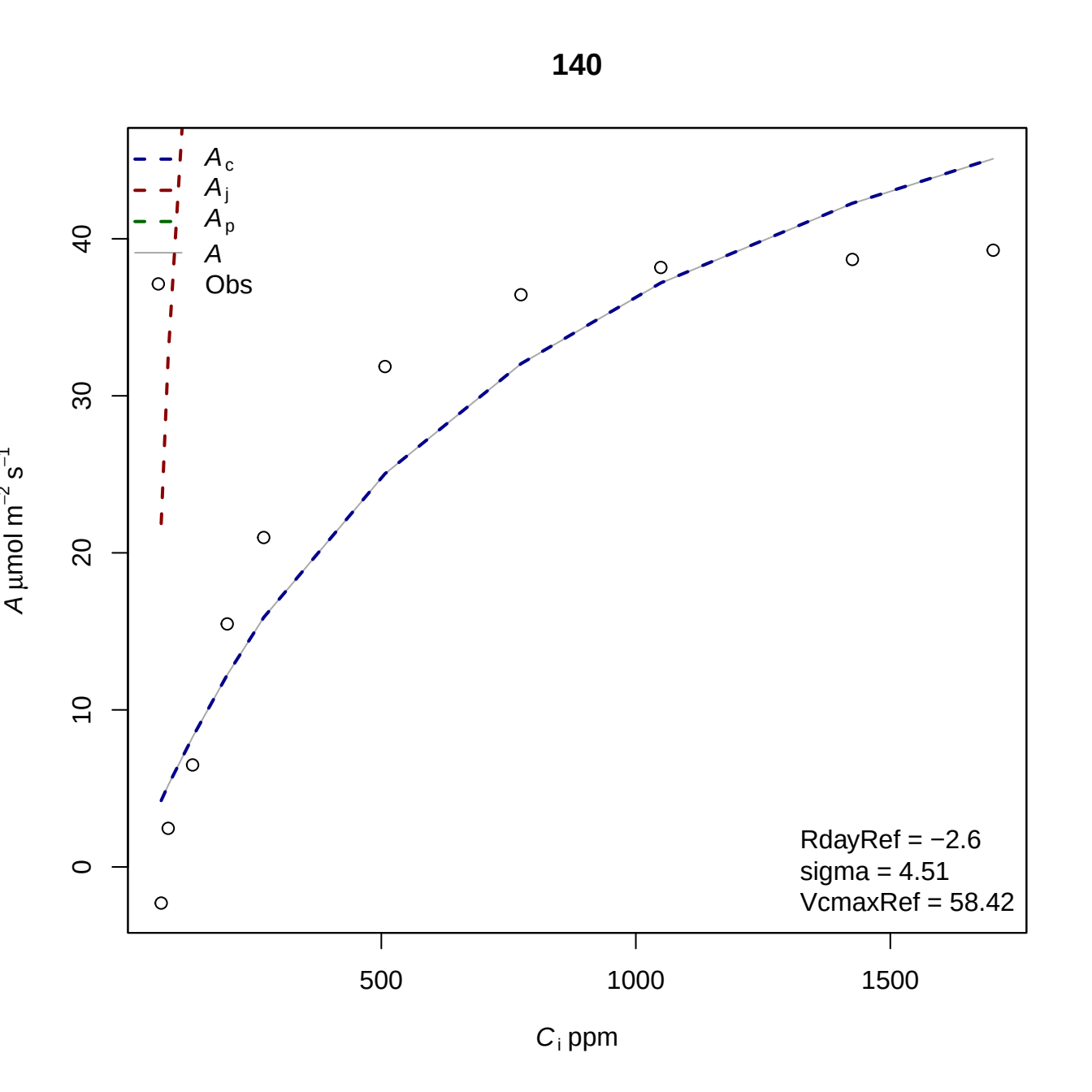

135
A_c
A_j
A_p
A
Obs
RdayRef = −0.08
sigma = 2.28
VcmaxRef = 51.63
0
10
20
30
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm

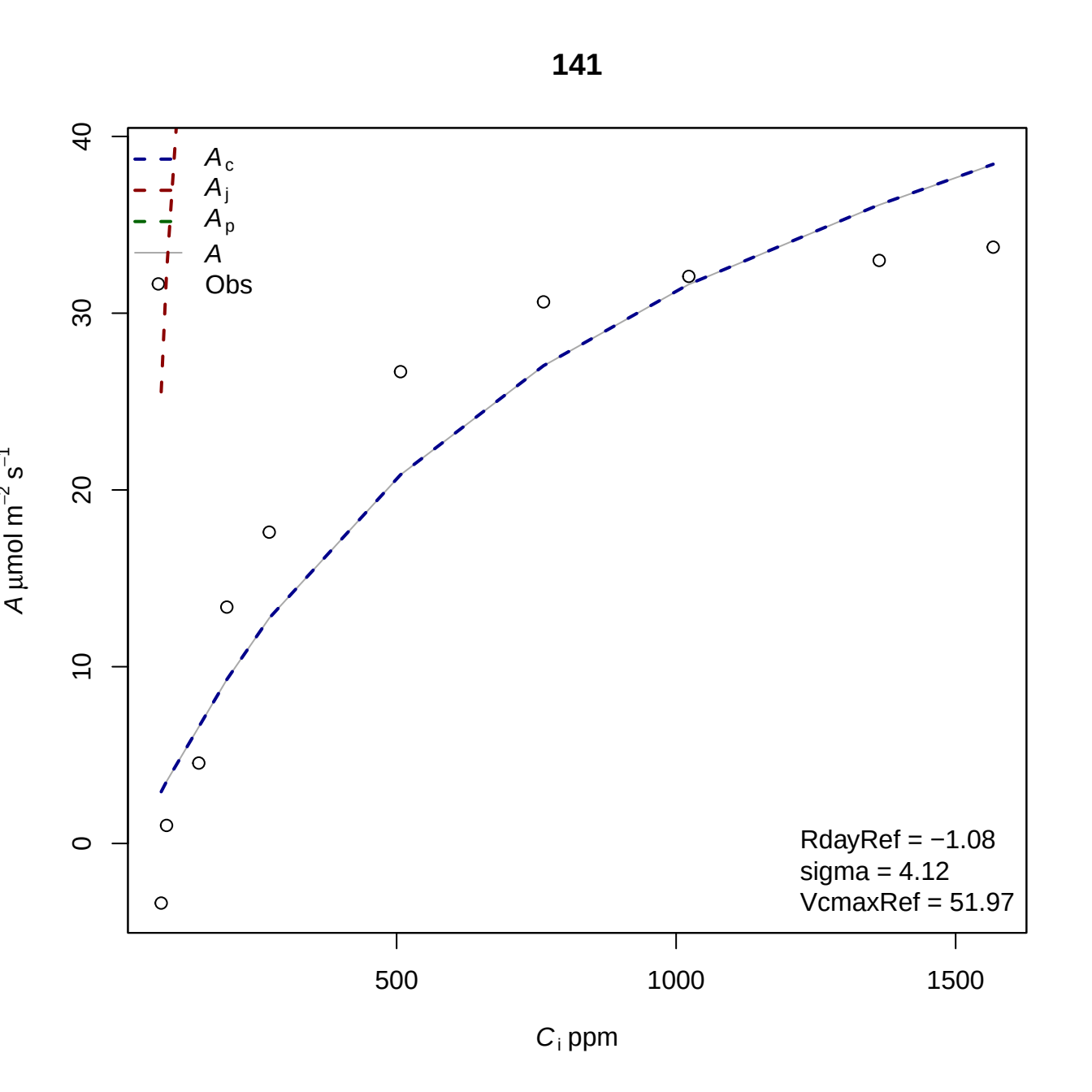

A_c
A_j
A_p
A
Obs
RdayRef = −0.22
sigma = 2.22
VcmaxRef = 44.99
A µmol m^{-2} s^{-1}
C_i ppm
0
5
10
15
20
25
30
200
400
600
800
1000
1200
1400

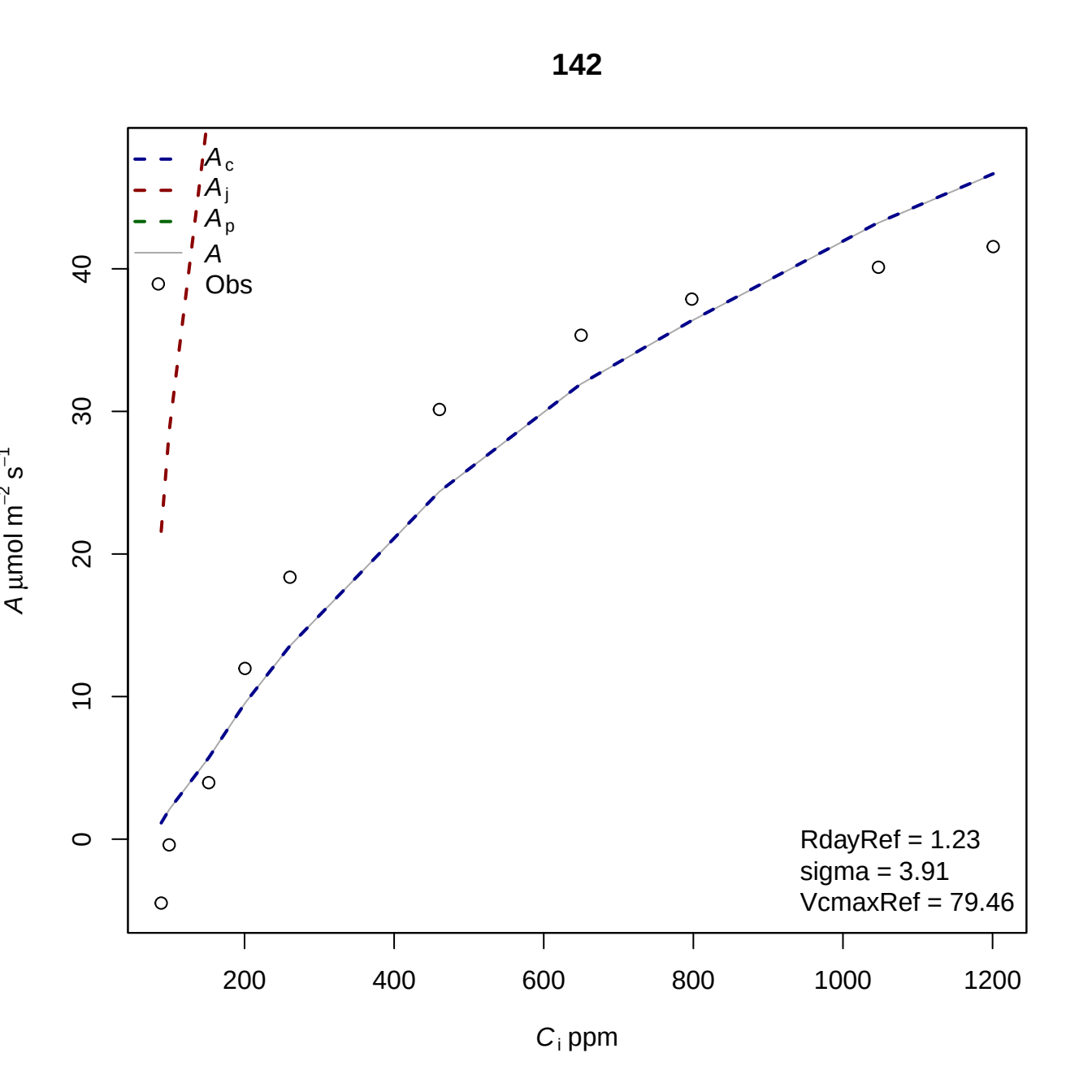

A_c
A_j
A_p
A
Obs
RdayRef = −1.81
sigma = 4.02
VcmaxRef = 53.55
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm



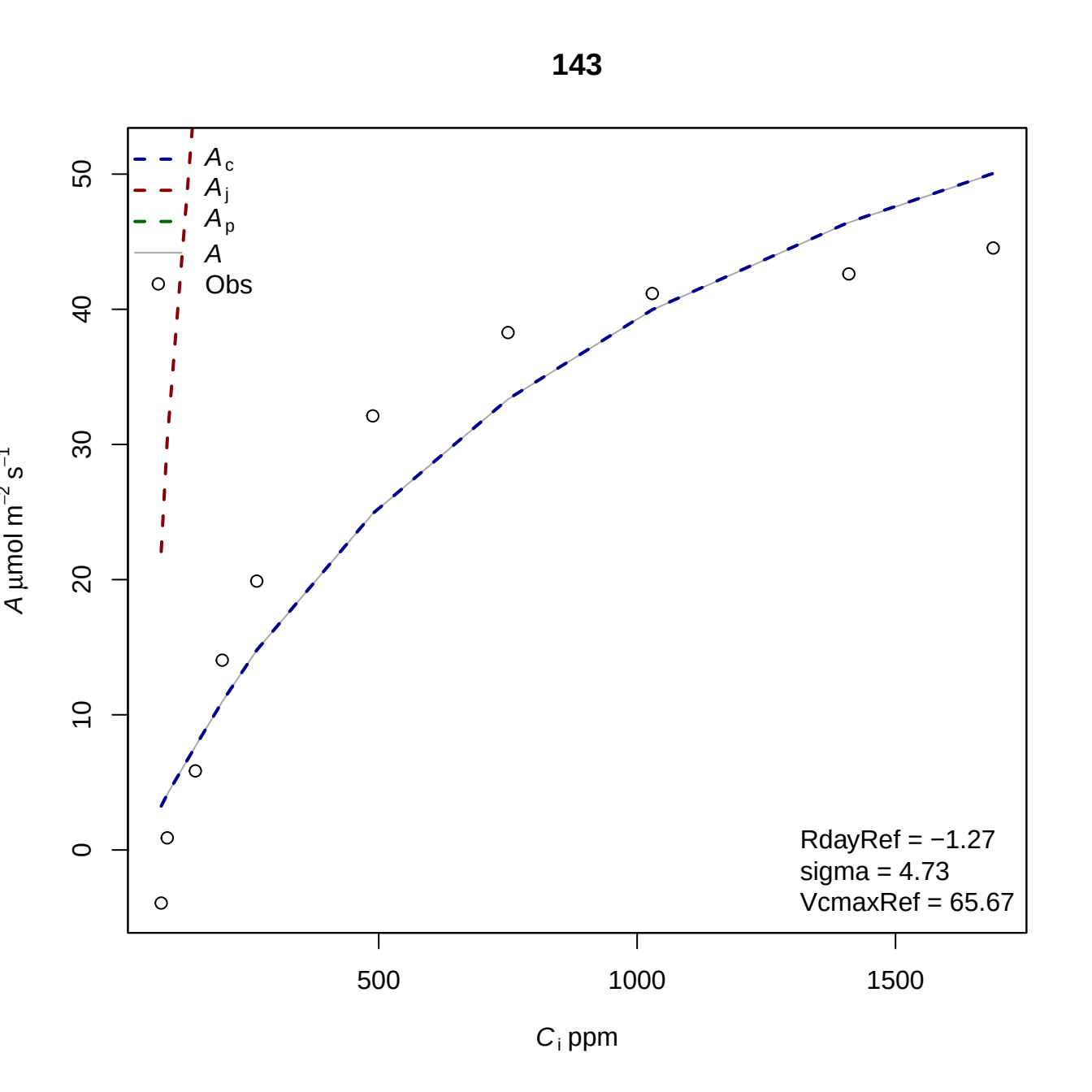
138
A_c
A_j
A_p
A
Obs
RdayRef = −2.78
sigma = 5.47
VcmaxRef = 65.79
A µmol m^{-2} s^{-1}
0
10
20
30
40
500
1000
1500
C_i ppm

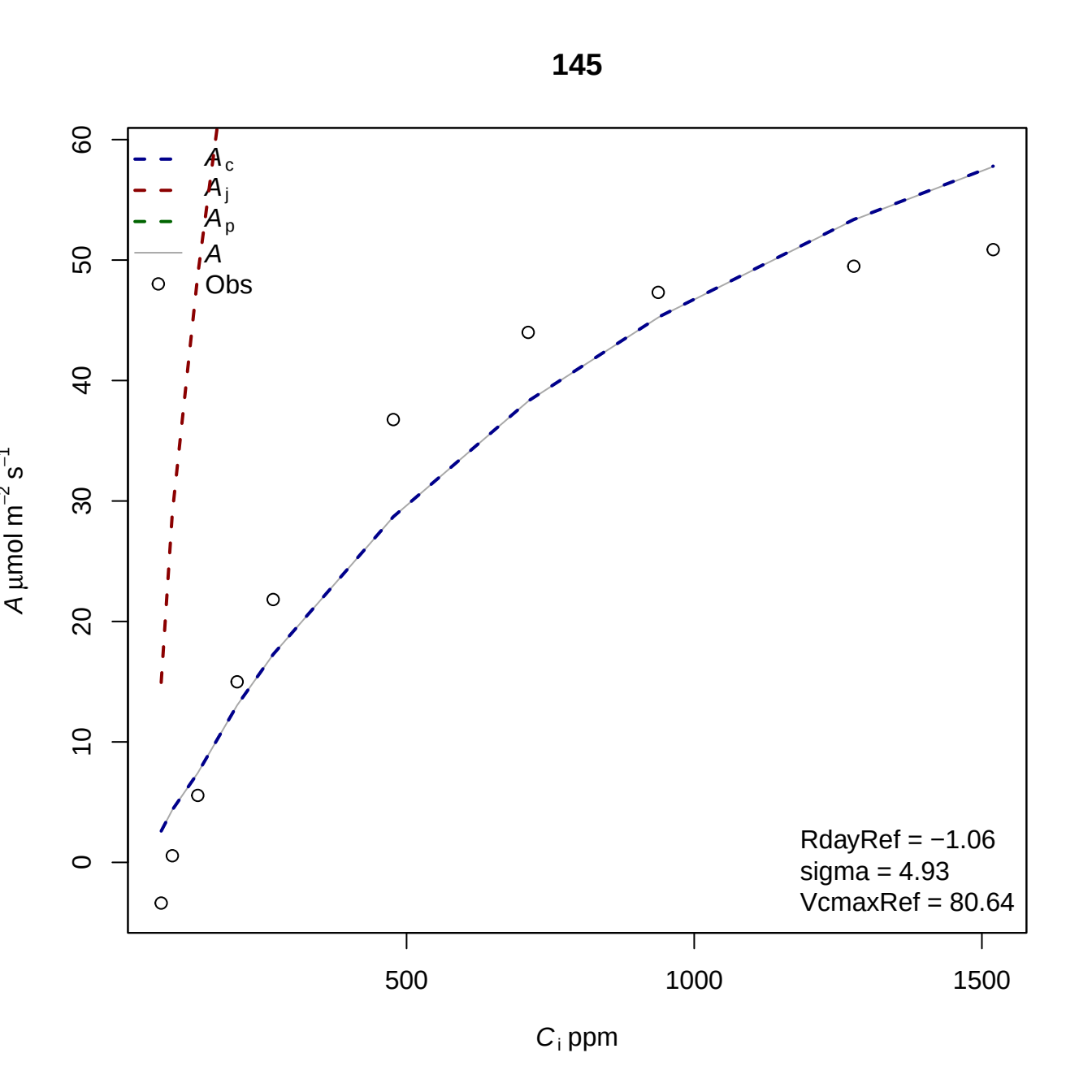

140
A_c
A_j
A_p
A
Obs
RdayRef = −2.6
sigma = 4.51
VcmaxRef = 58.42
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

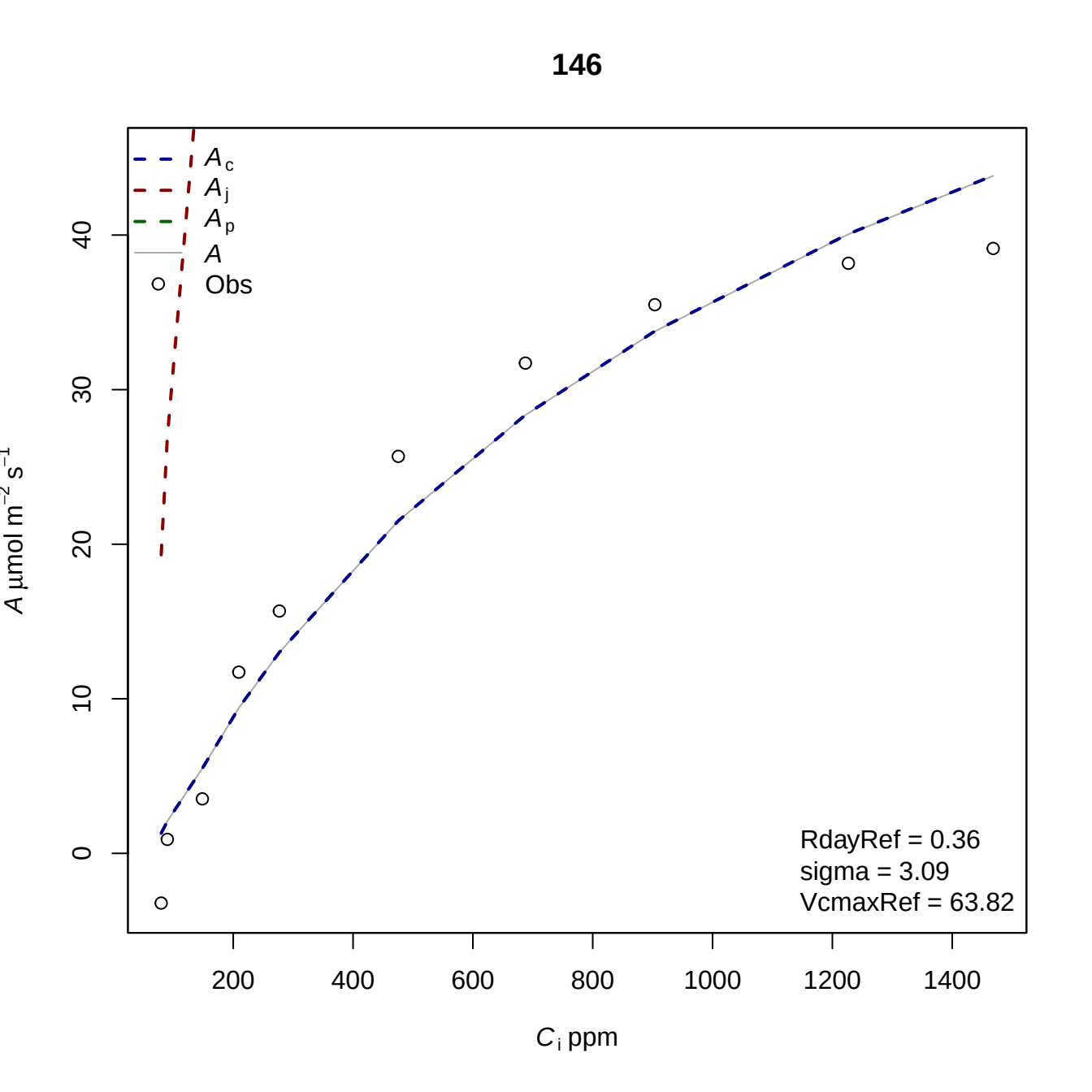

141
A_c
A_j
A_p
A
Obs
RdayRef = −1.08
sigma = 4.12
VcmaxRef = 51.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
500
1000
1500

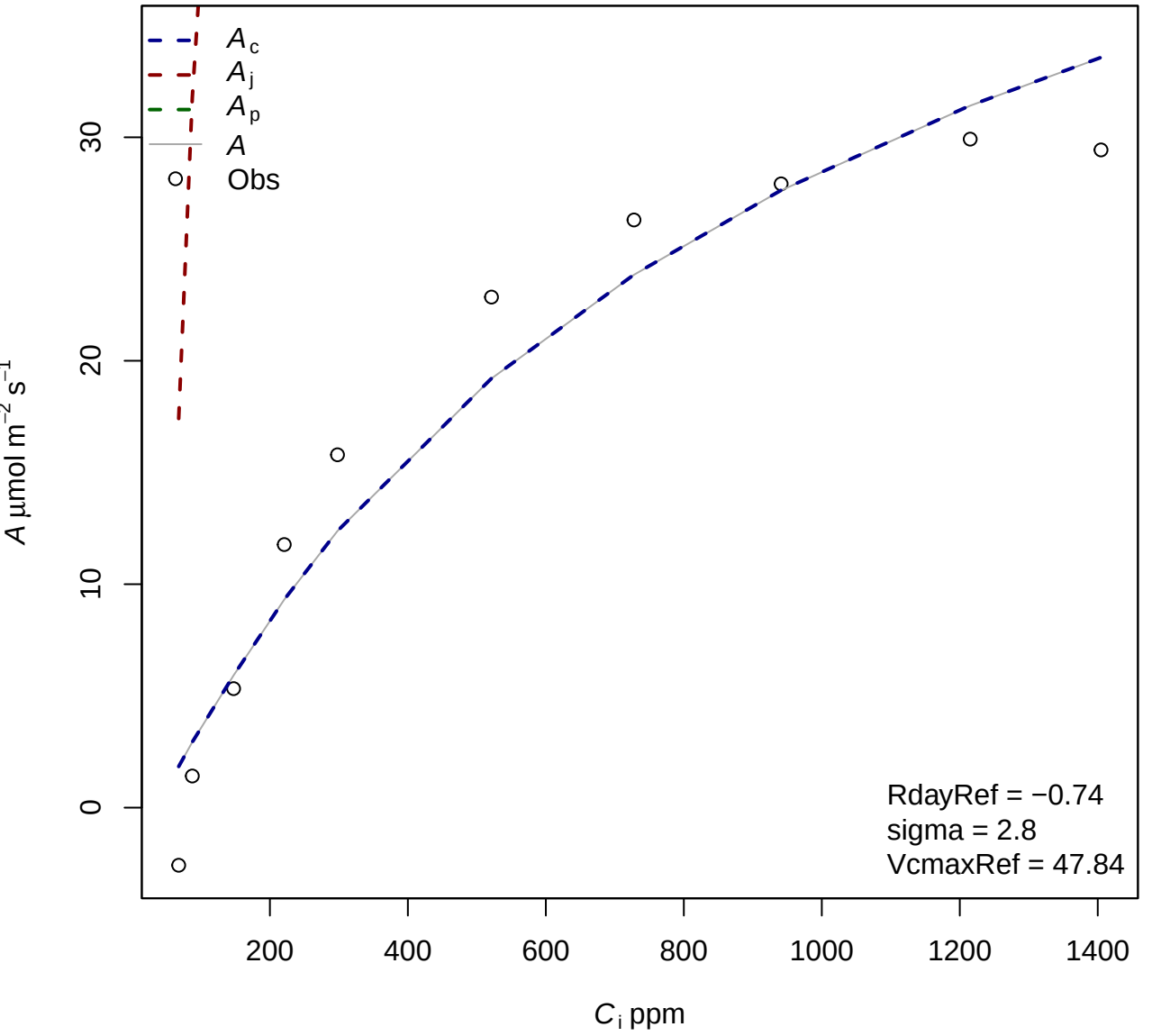


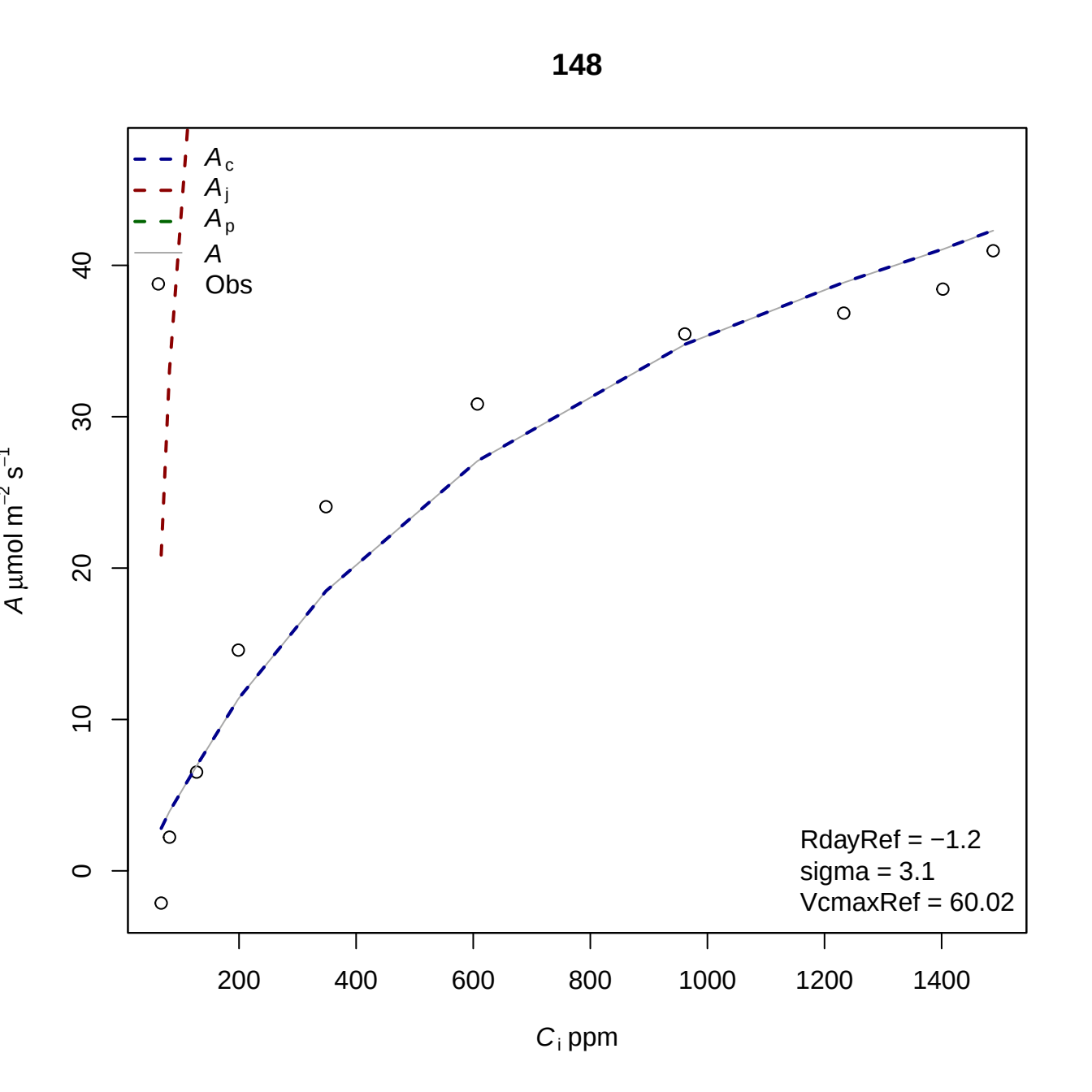
142
A_c
A_j
A_p
A
Obs
RdayRef = 1.23
sigma = 3.91
VcmaxRef = 79.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200

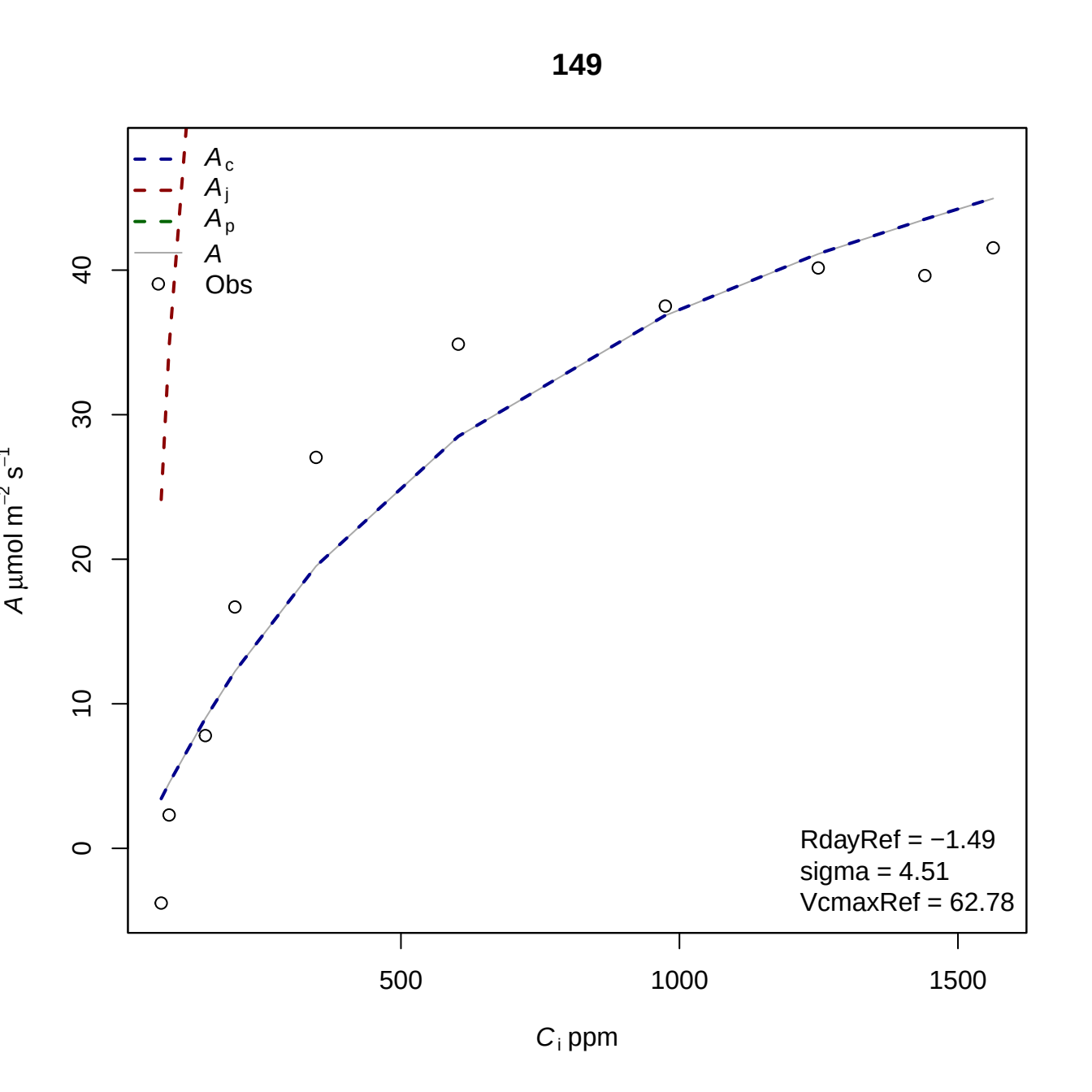

143
A_c
A_j
A_p
A
Obs
RdayRef = −1.27
sigma = 4.73
VcmaxRef = 65.67
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

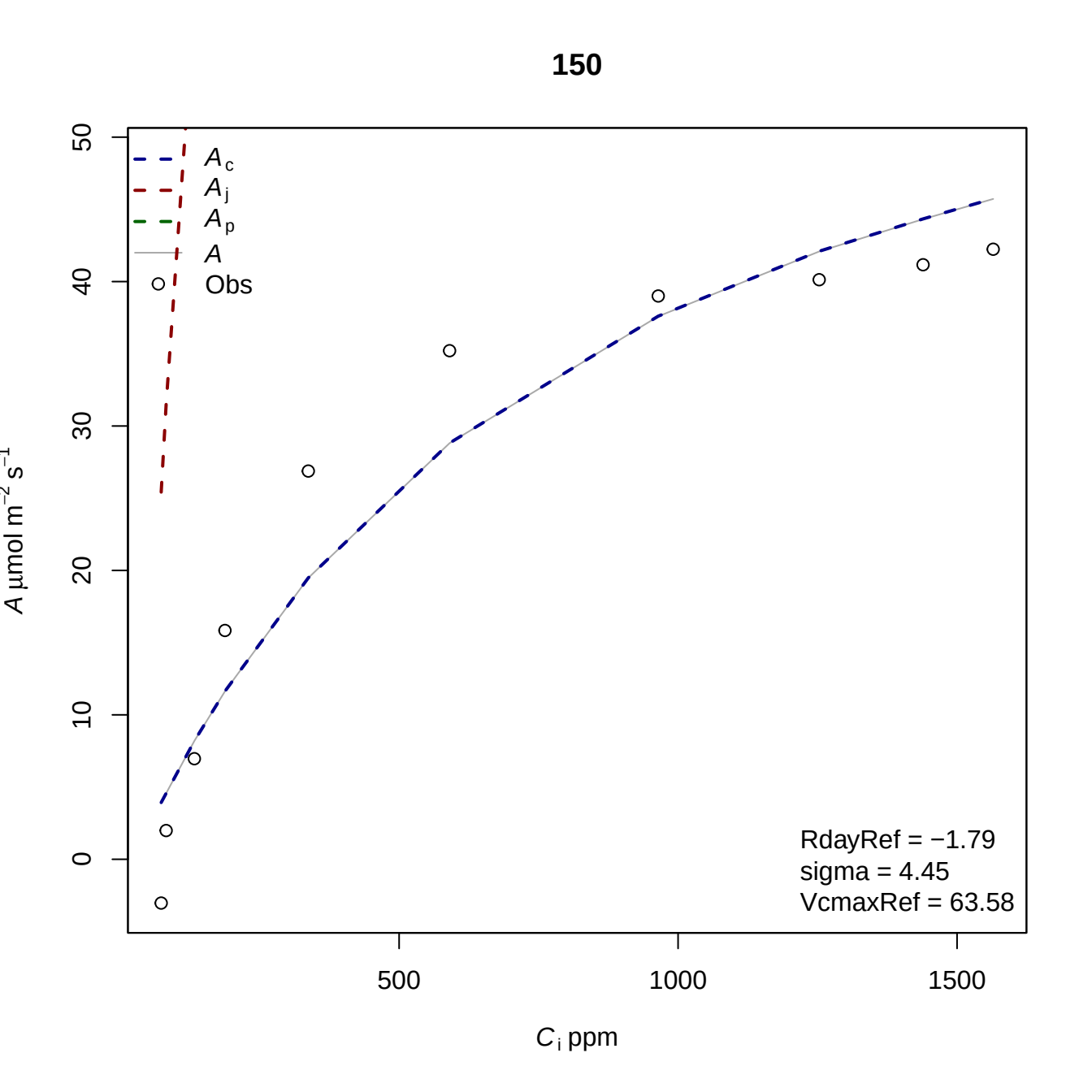

145
A_c
A_j
A_p
A
Obs
RdayRef = −1.06
sigma = 4.93
VcmaxRef = 80.64
0
10
20
30
40
50
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

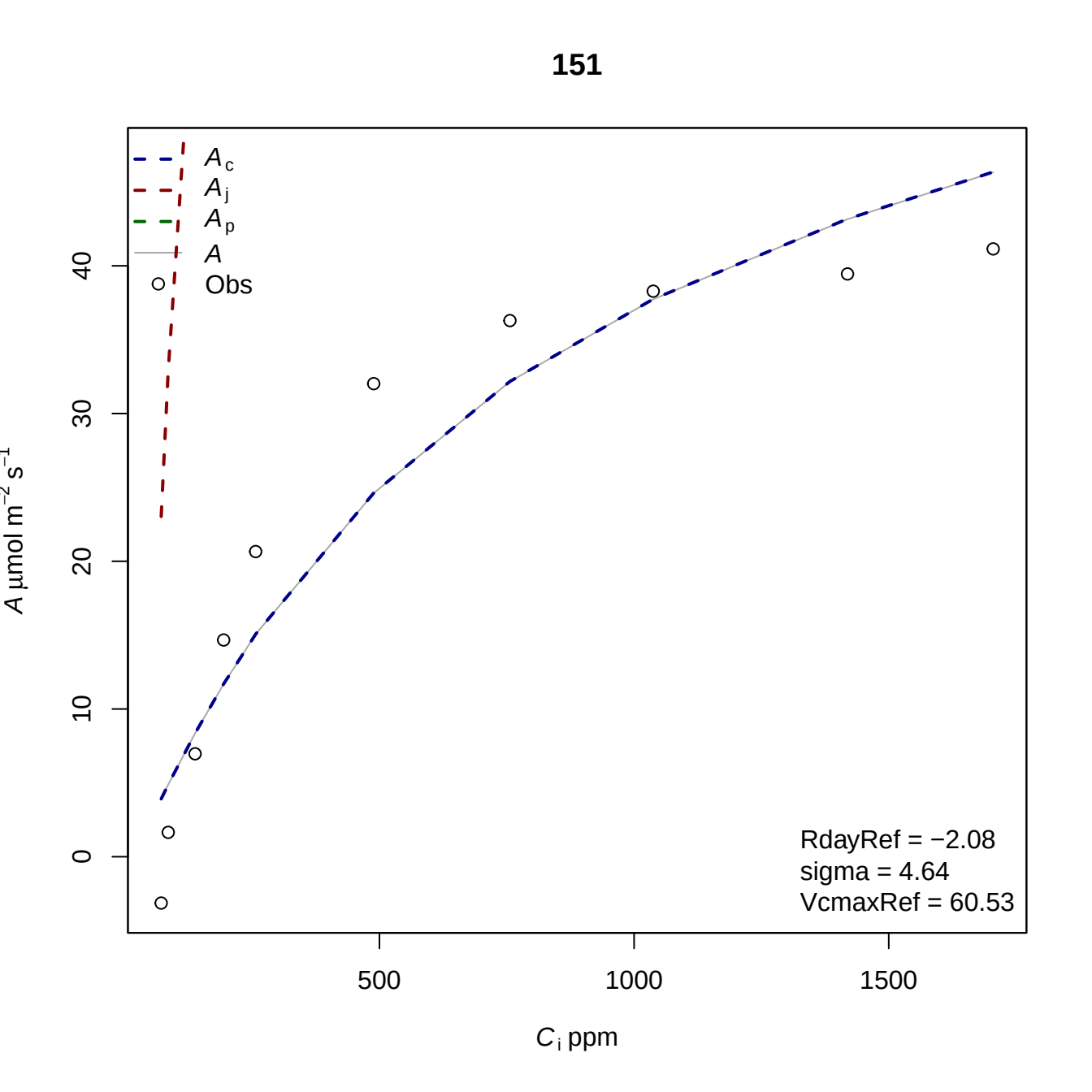

146
A_c
A_j
A_p
A
Obs
RdayRef = 0.36
sigma = 3.09
VcmaxRef = 63.82
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200
1400

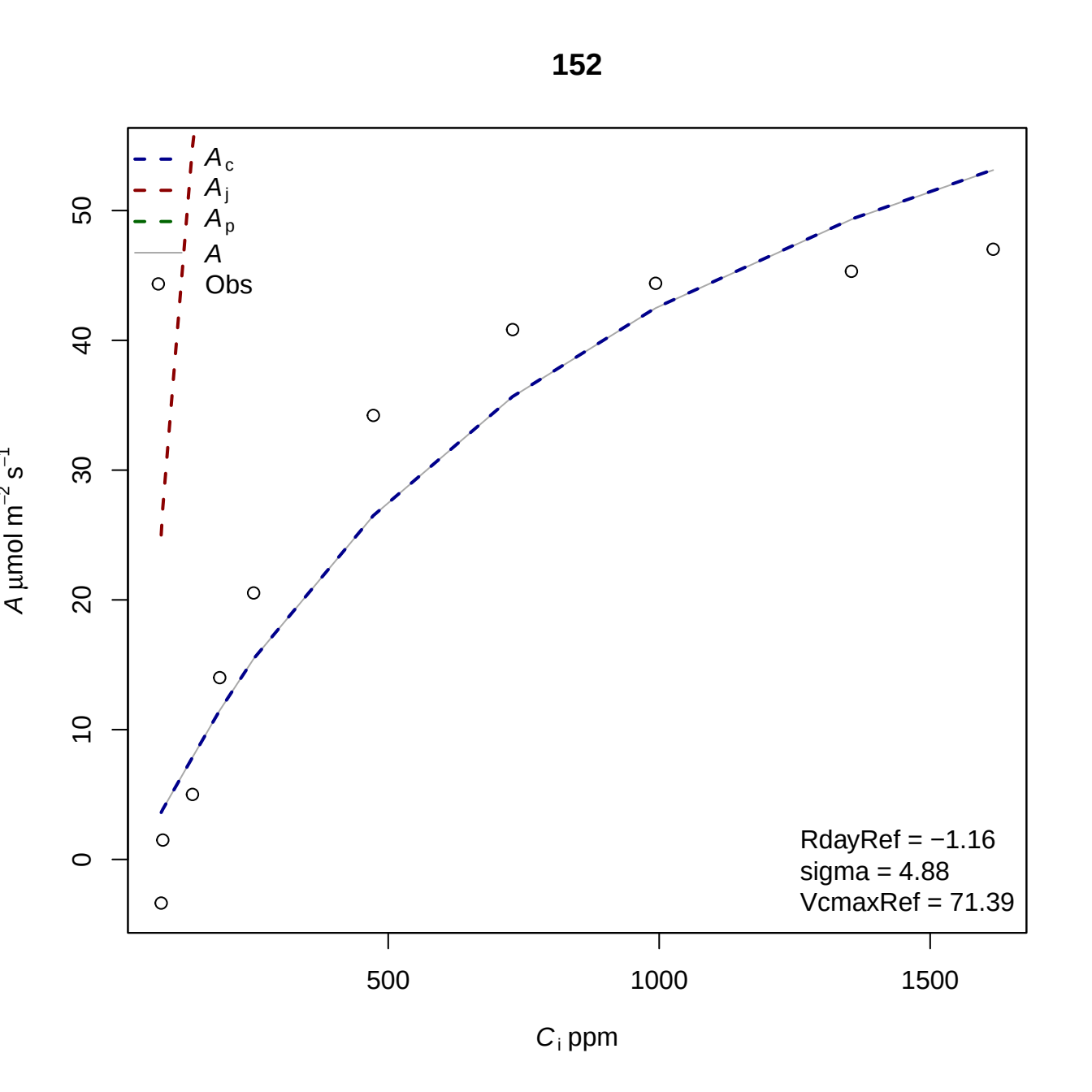

A_c
A_j
A_p
A
Obs
RdayRef = −0.74
sigma = 2.8
VcmaxRef = 47.84
0
10
20
30
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

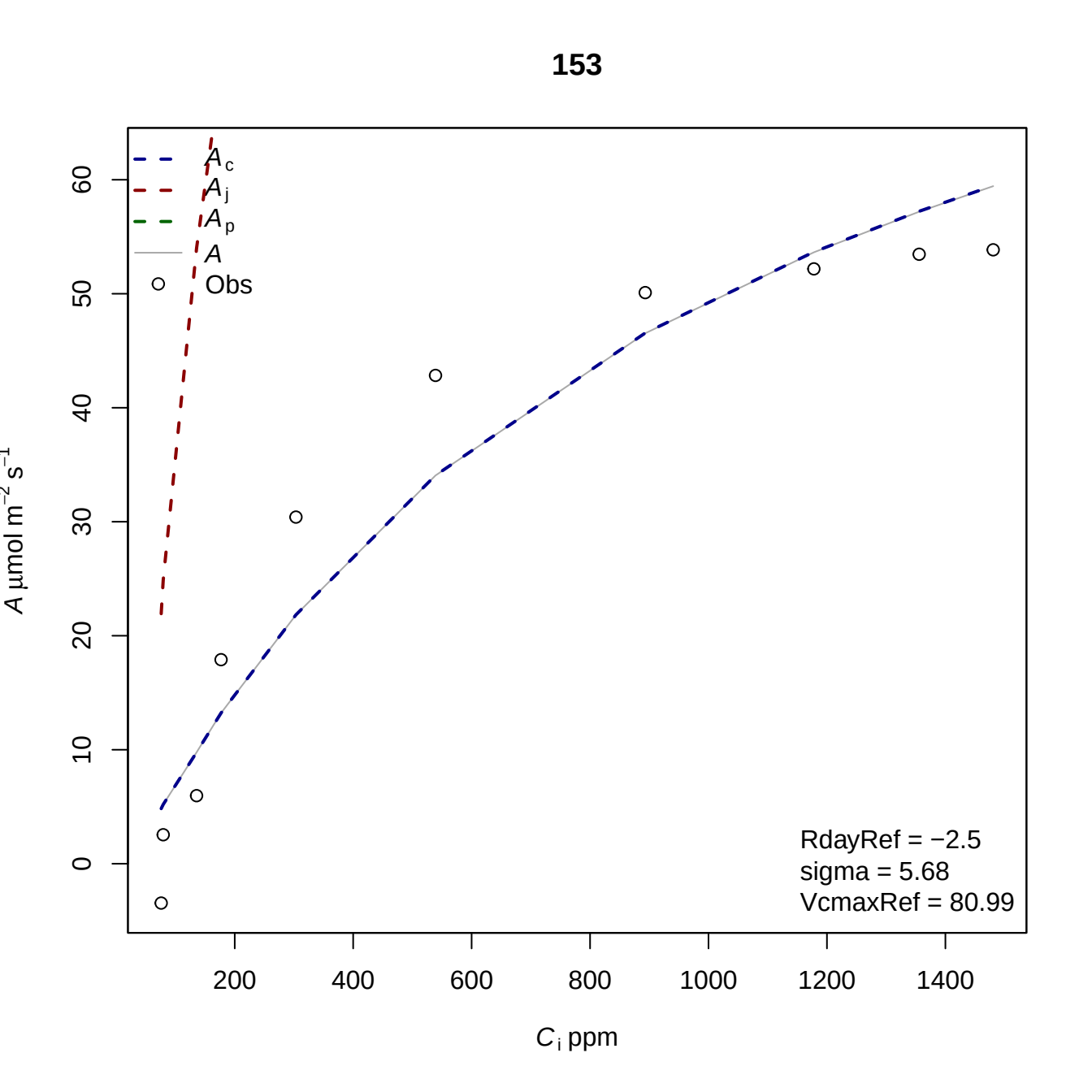

148
A_c
A_j
A_p
A
Obs
RdayRef = −1.2
sigma = 3.1
VcmaxRef = 60.02
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200
1400

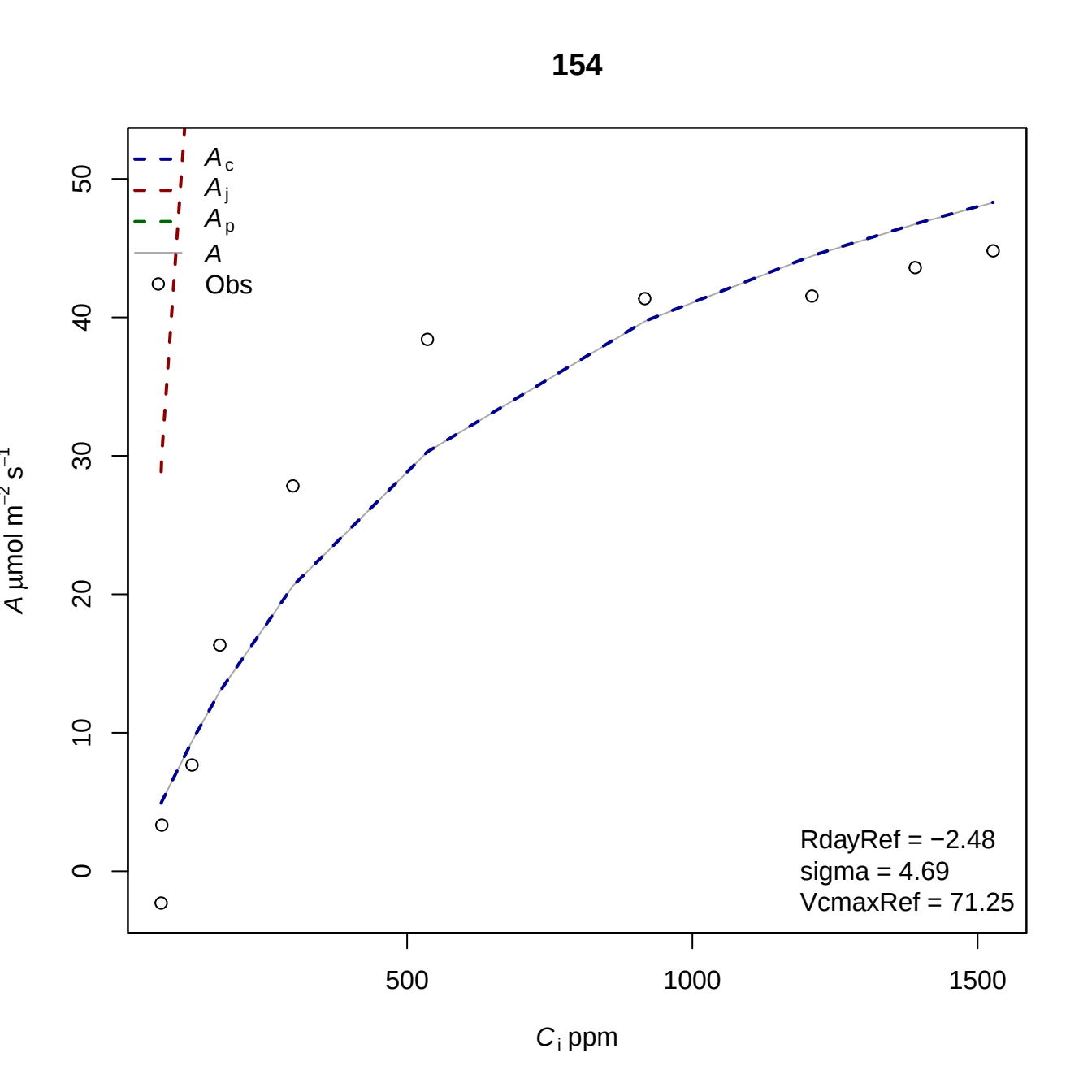

149
A_c
A_j
A_p
A
Obs
RdayRef = −1.49
sigma = 4.51
VcmaxRef = 62.78
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

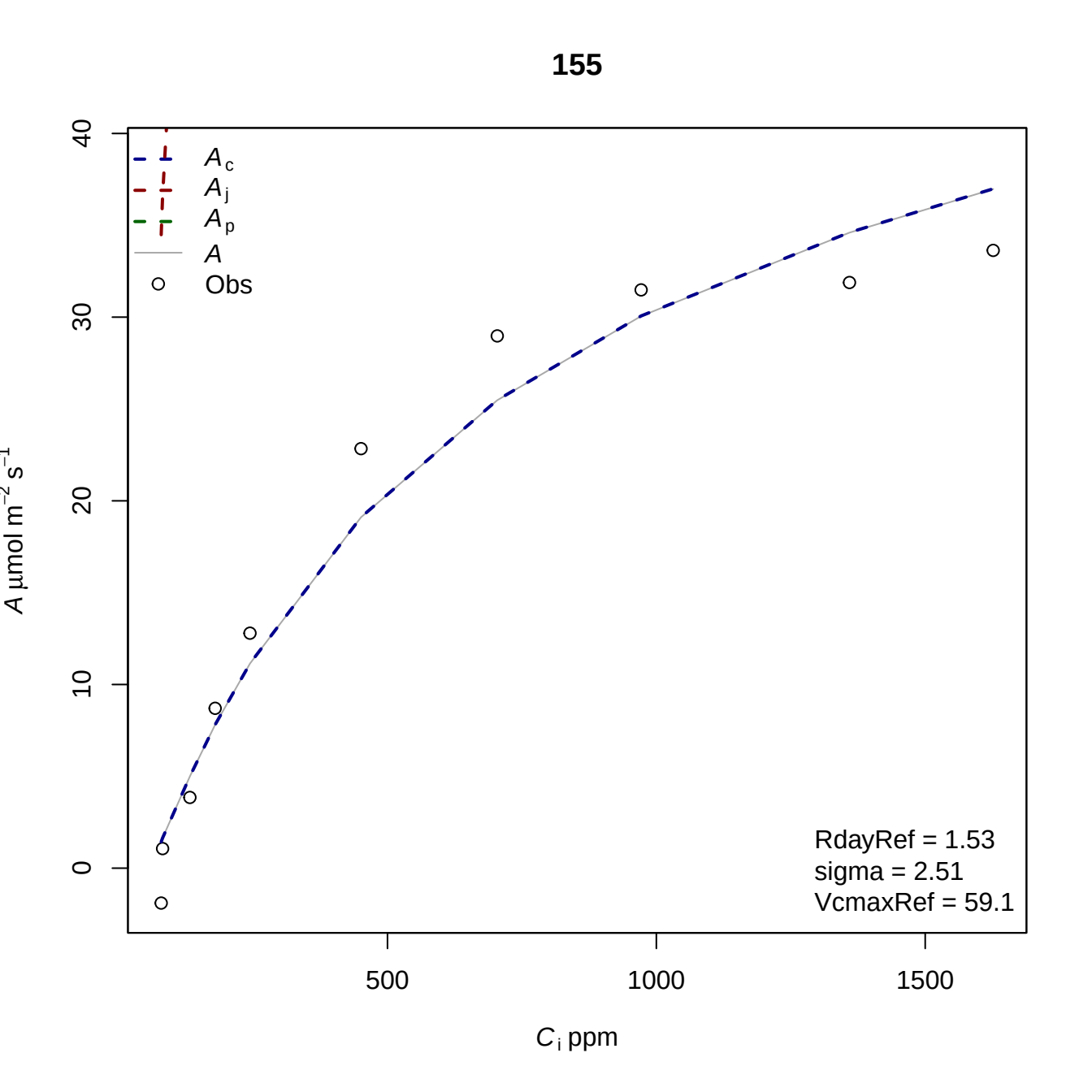

150
A_c
A_j
A_p
A
Obs
RdayRef = −1.79
sigma = 4.45
VcmaxRef = 63.58
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

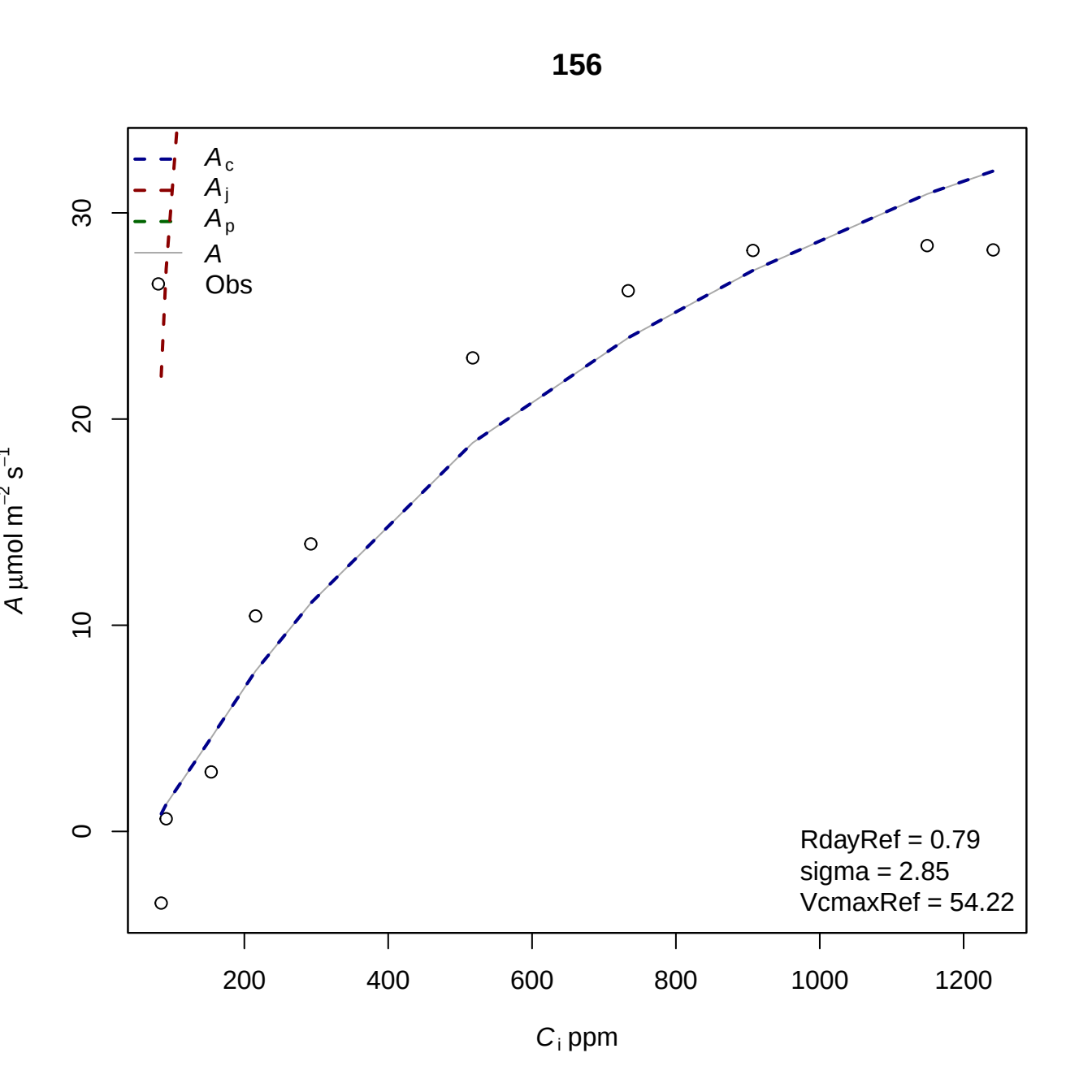

151
A_c
A_j
A_p
A
Obs
RdayRef = −2.08
sigma = 4.64
VcmaxRef = 60.53
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

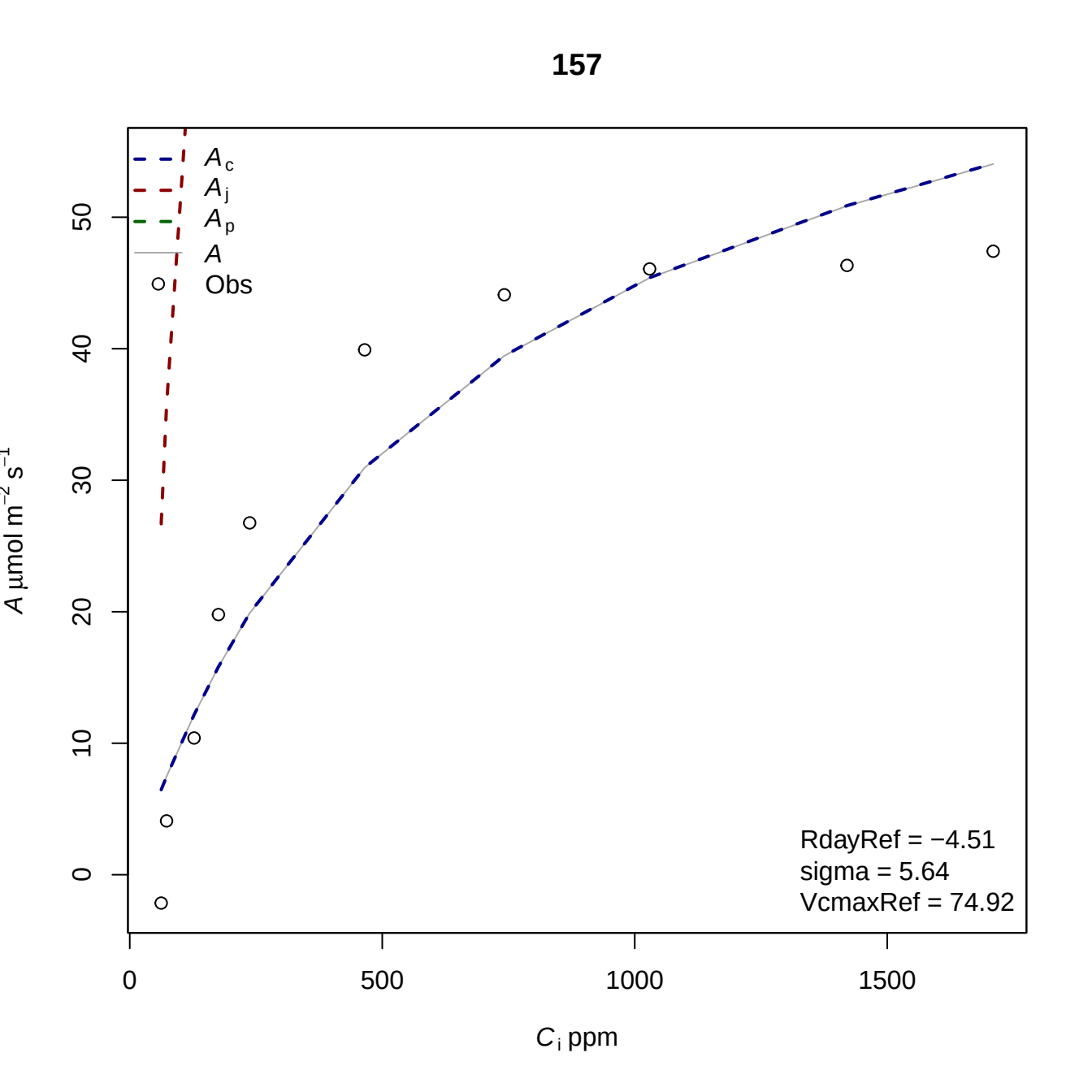

152
A_c
A_j
A_p
A
Obs
RdayRef = −1.16
sigma = 4.88
VcmaxRef = 71.39
A µmol m^{-2} s^{-1}
0
10
20
30
40
50
500
1000
1500
C_i ppm

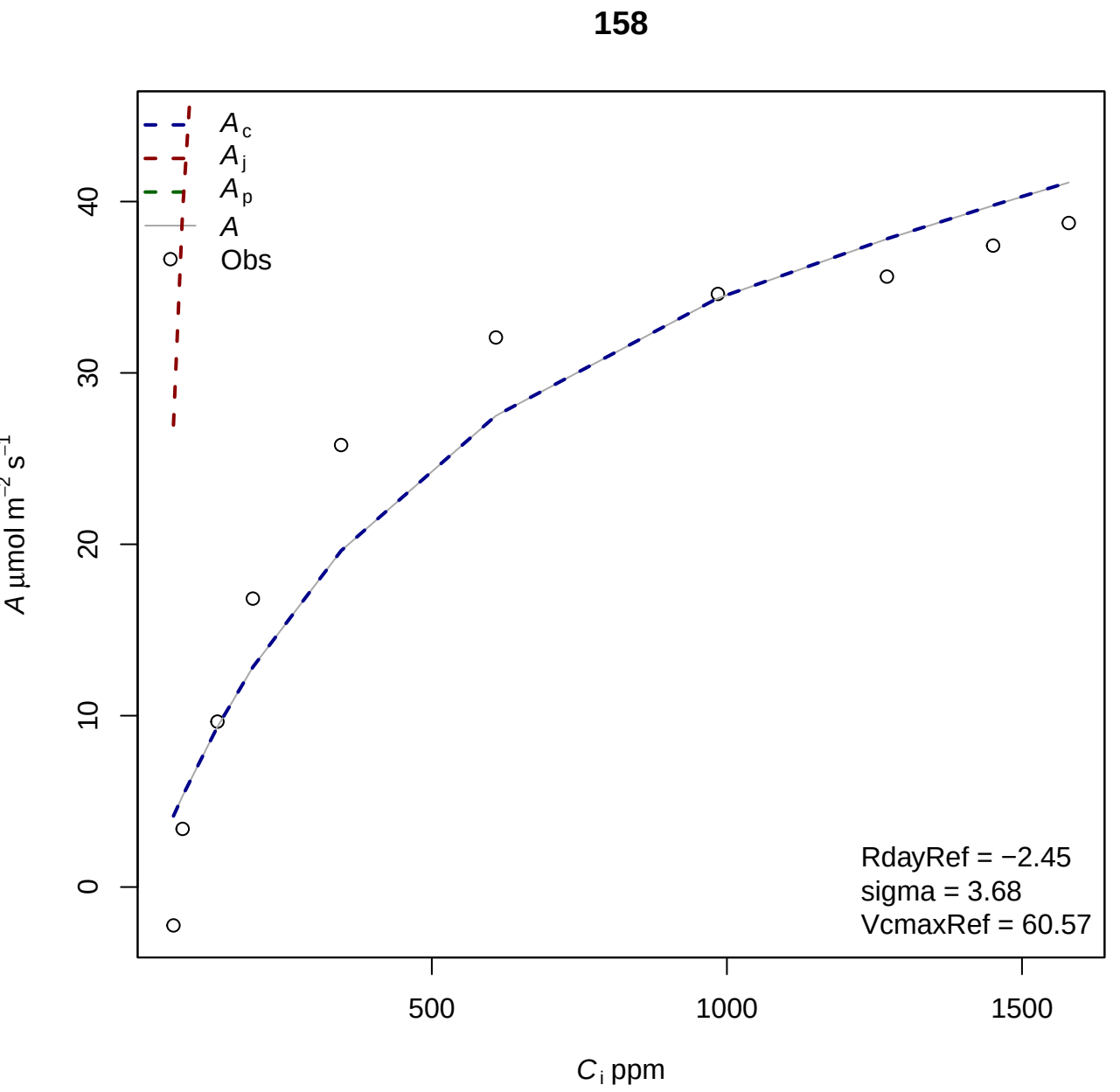

153
A_c
A_j
A_p
A
Obs
RdayRef = −2.5
sigma = 5.68
VcmaxRef = 80.99
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

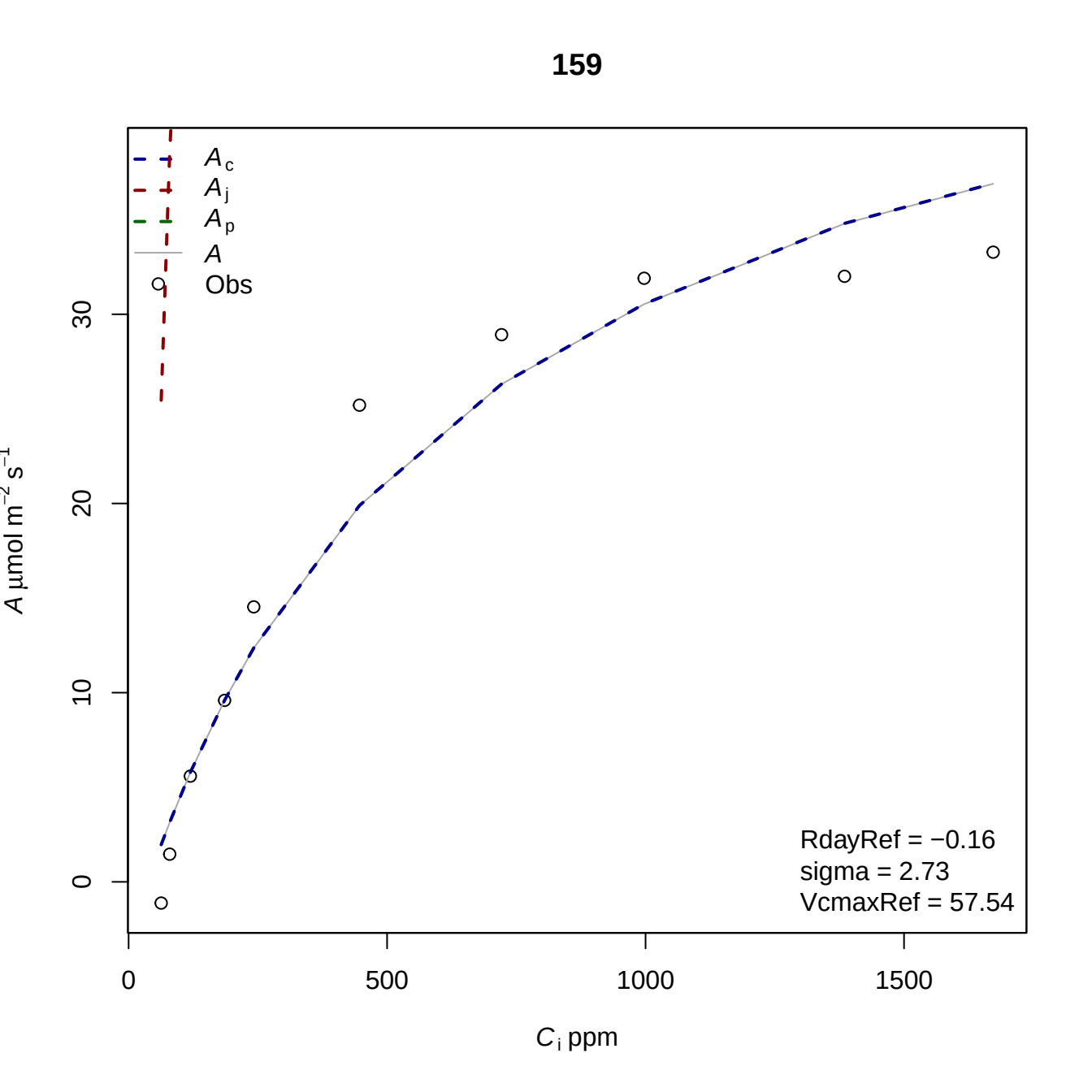

154
A_c
A_j
A_p
A
Obs
RdayRef = −2.48
sigma = 4.69
VcmaxRef = 71.25
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

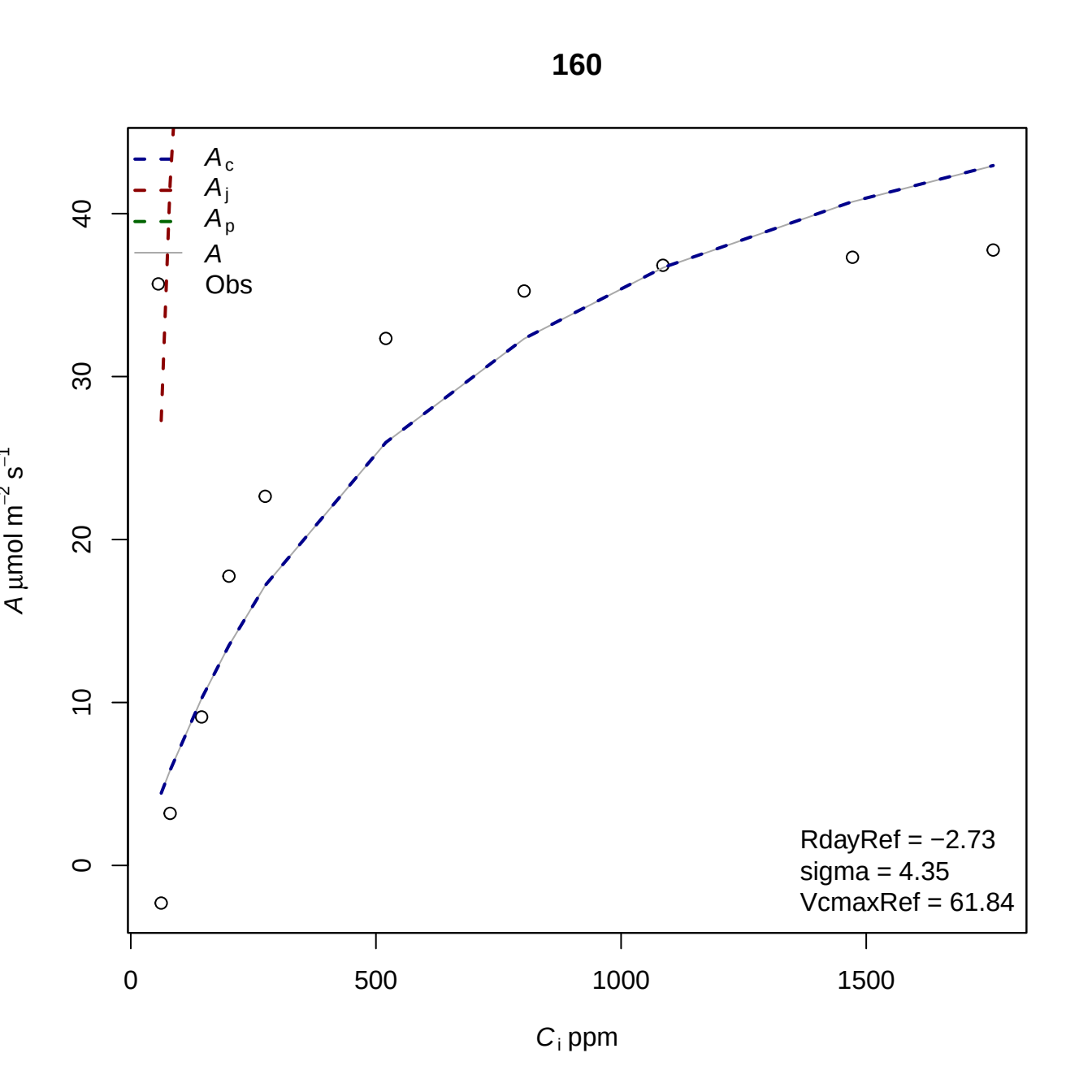

155
A_c
A_j
A_p
A
Obs
RdayRef = 1.53
sigma = 2.51
VcmaxRef = 59.1
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

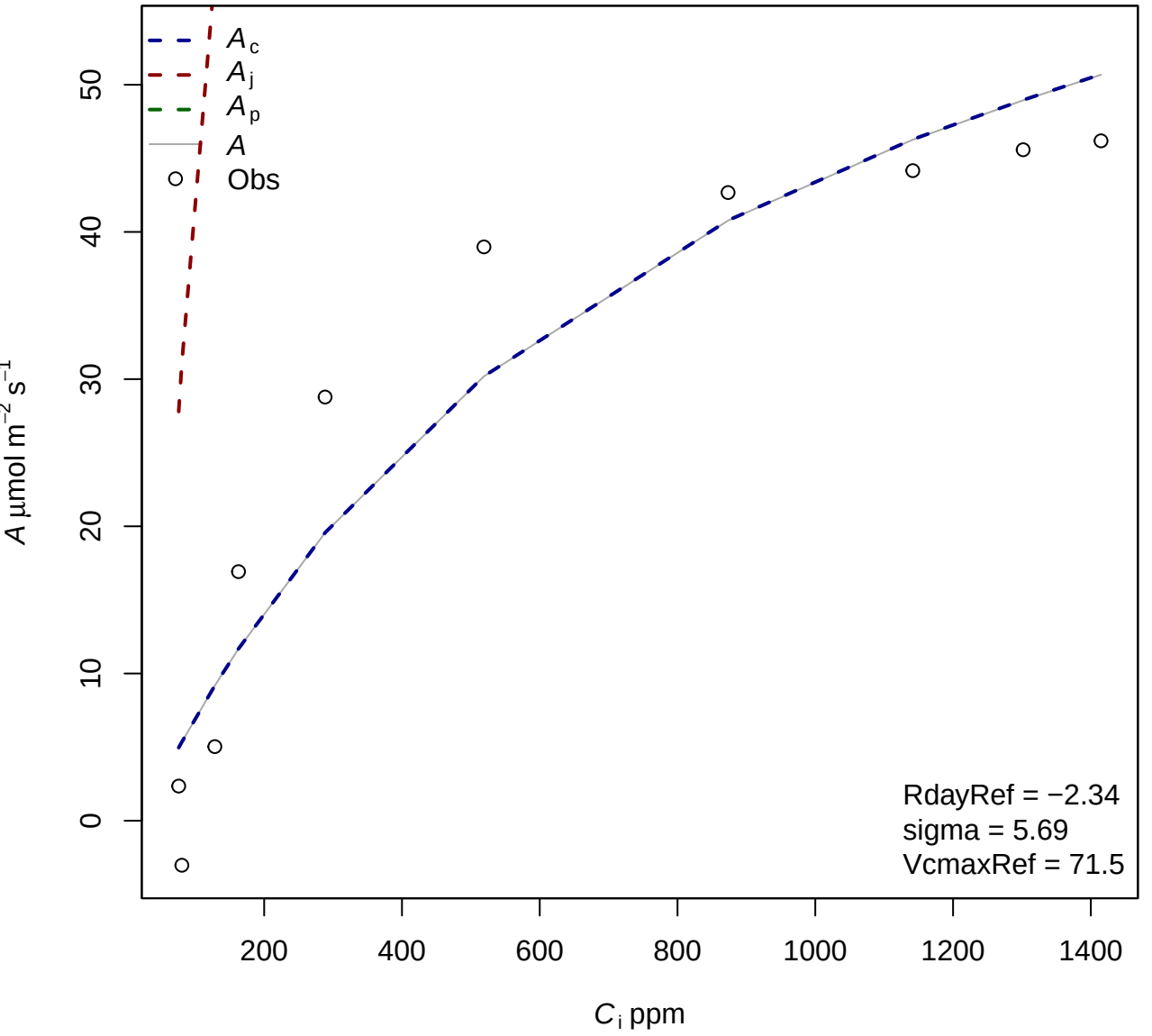

156
A_c
A_j
A_p
A
Obs
RdayRef = 0.79
sigma = 2.85
VcmaxRef = 54.22
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
200
400
600
800
1000
1200

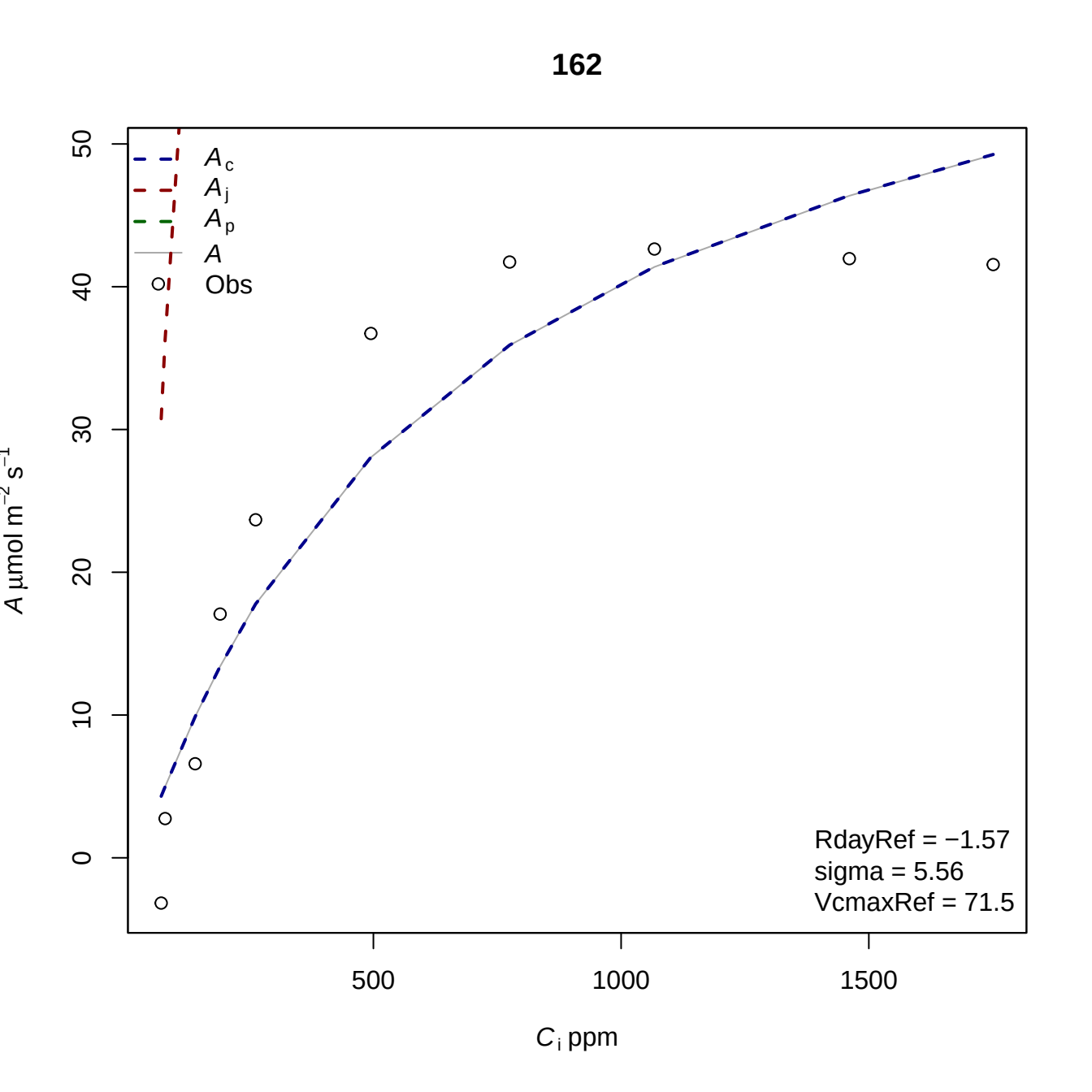

157
A_c
A_j
A_p
A
Obs
RdayRef = −4.51
sigma = 5.64
VcmaxRef = 74.92
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
0
500
1000
1500

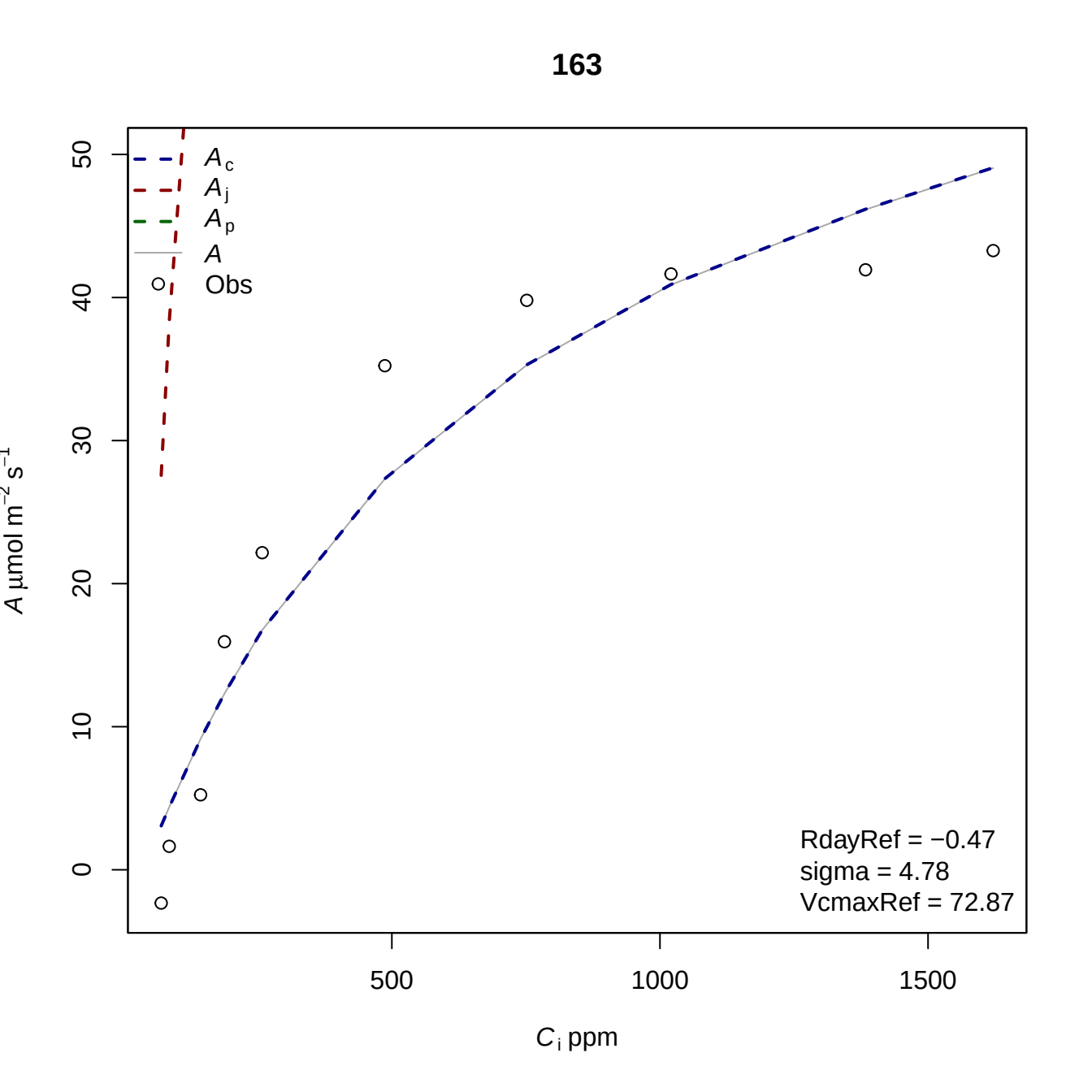

158
A_c
A_j
A_p
A
Obs
RdayRef = −2.45
sigma = 3.68
VcmaxRef = 60.57
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

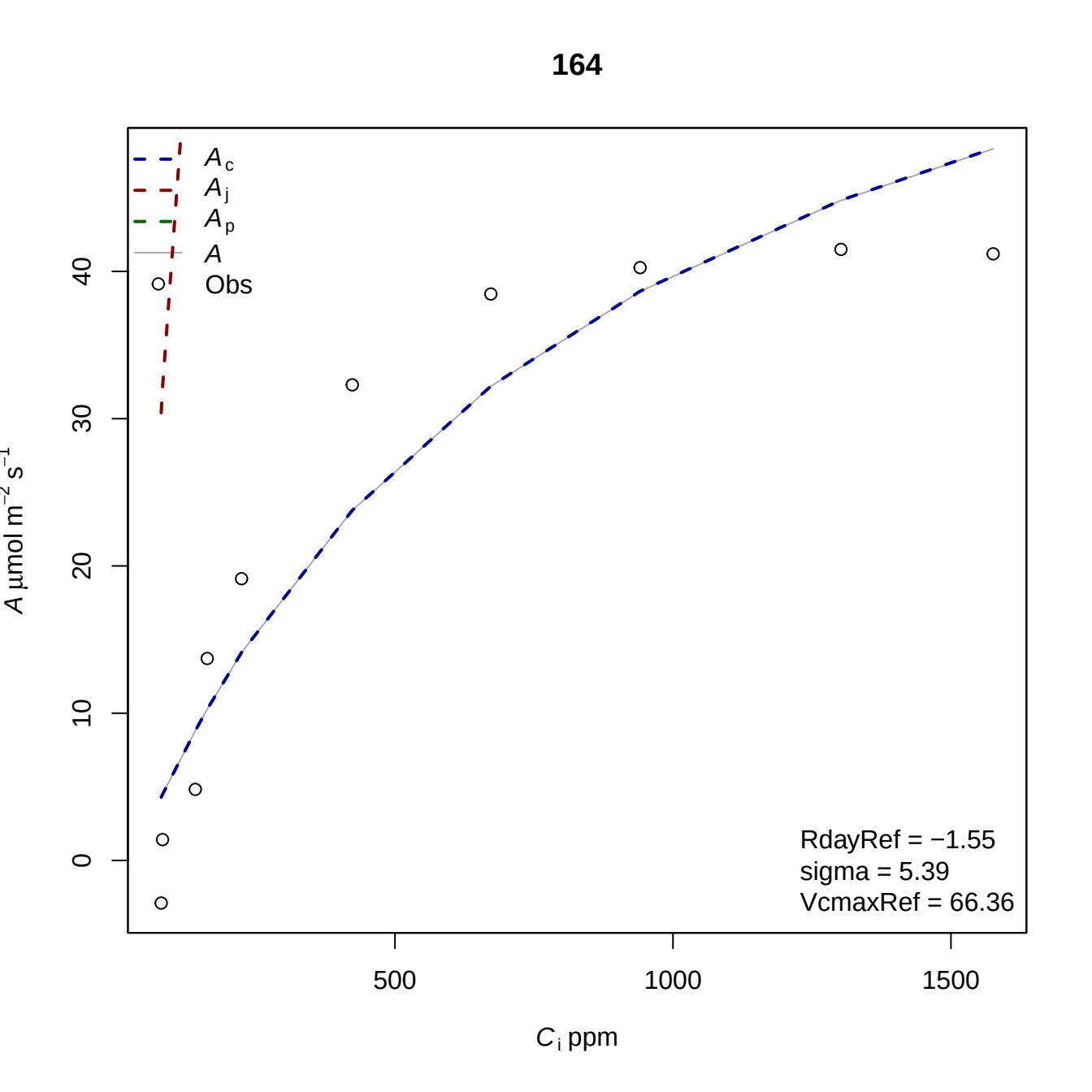

159
A_c
A_j
A_p
A
Obs
RdayRef = −0.16
sigma = 2.73
VcmaxRef = 57.54
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
0
500
1000
1500

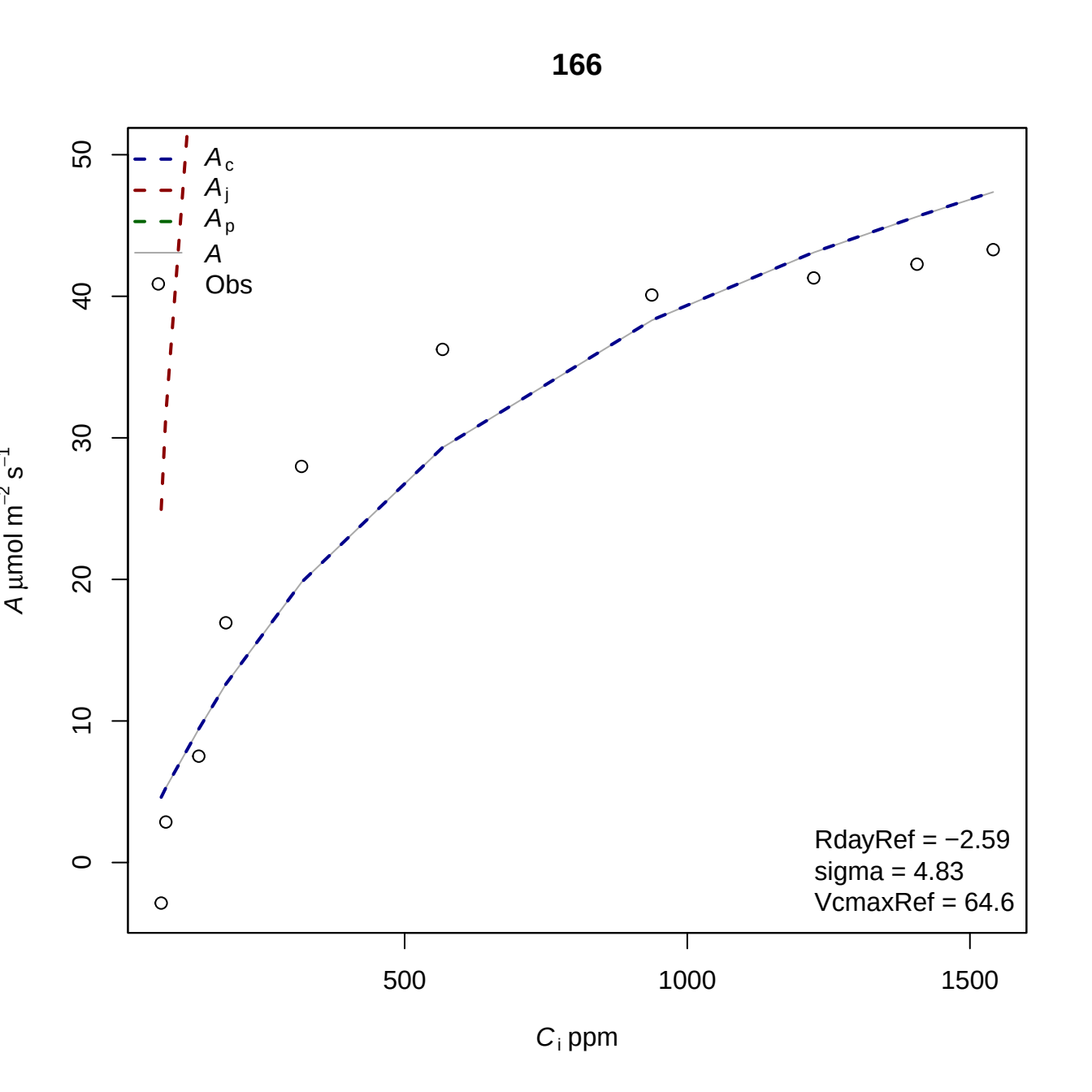

160
A_c
A_j
A_p
A
Obs
RdayRef = −2.73
sigma = 4.35
VcmaxRef = 61.84
0
10
20
30
40
A µmol m^{-2} s^{-1}
0
500
1000
1500
C_i ppm

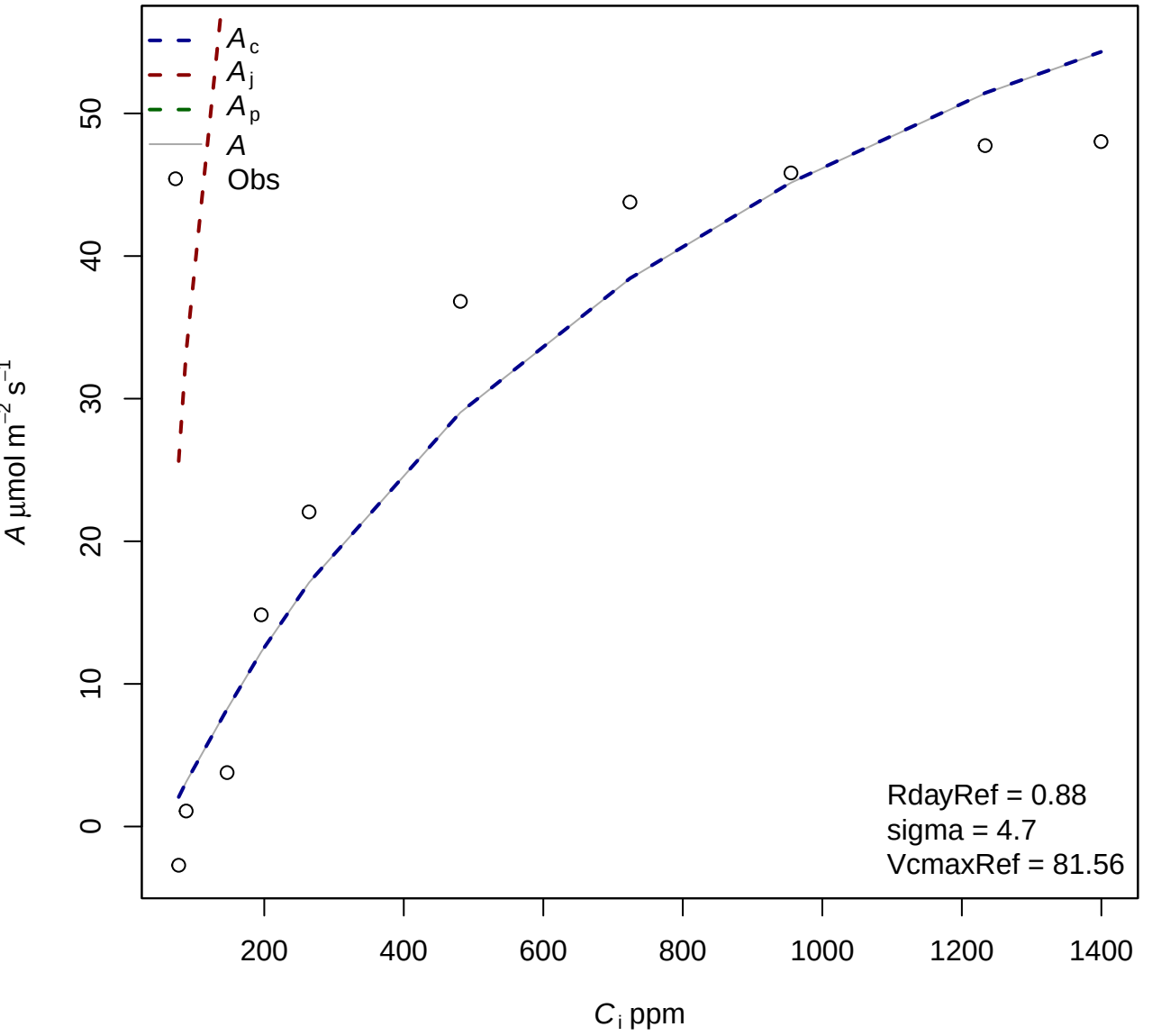

A_c
A_j
A_p
A
Obs
RdayRef = −2.34
sigma = 5.69
VcmaxRef = 71.5
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

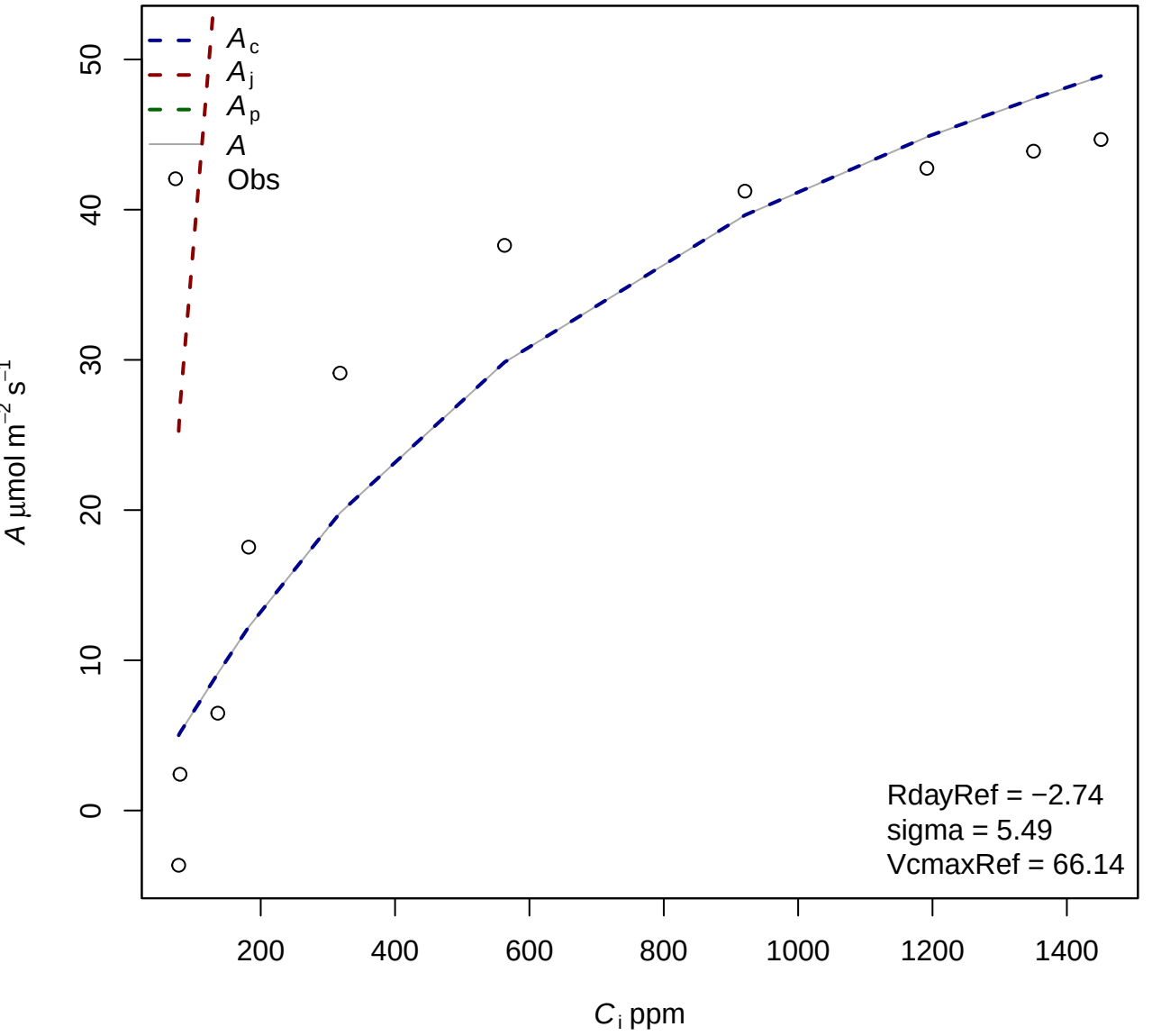

162
A_c
A_j
A_p
A
Obs
RdayRef = −1.57
sigma = 5.56
VcmaxRef = 71.5
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

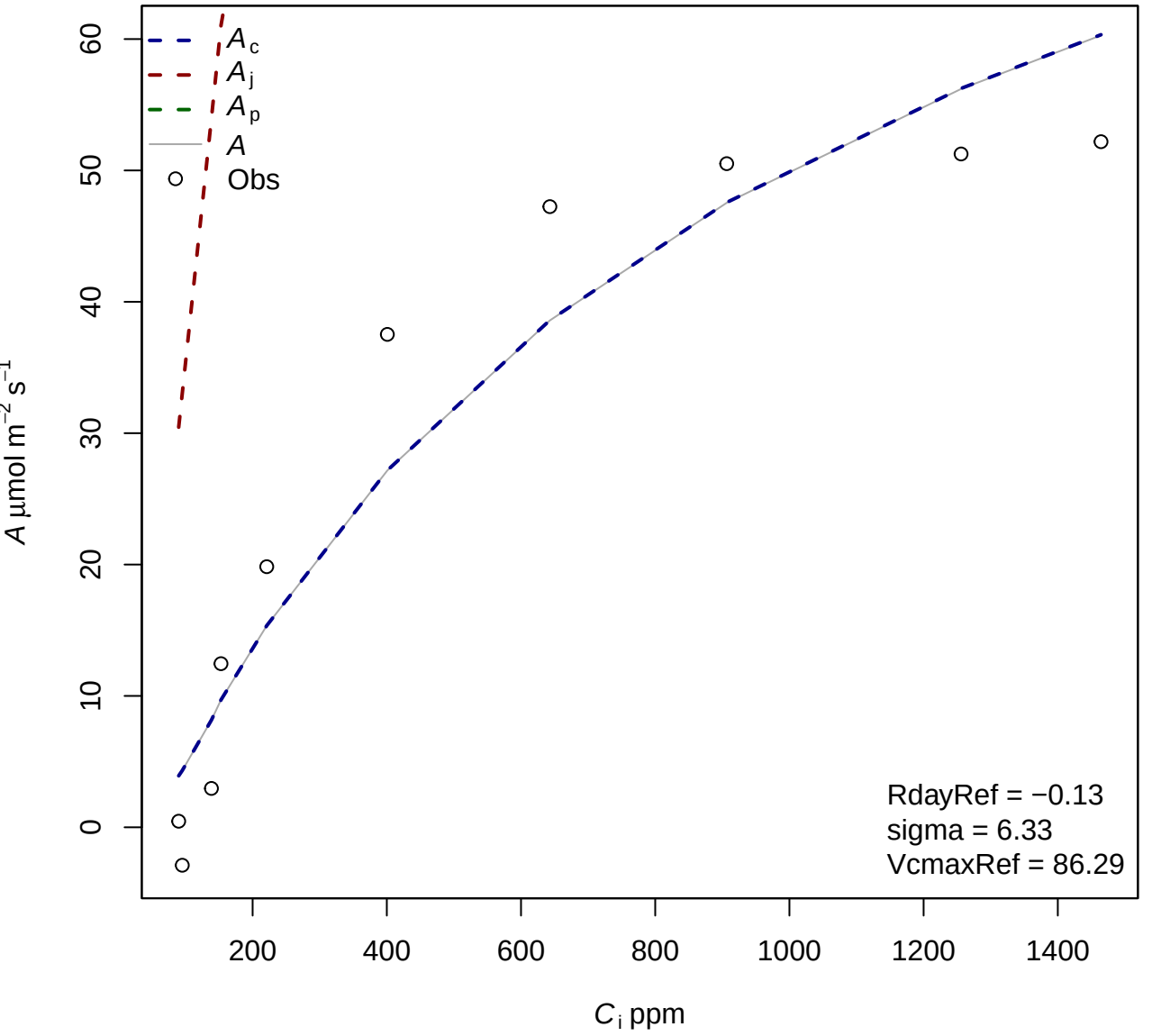

163
A_c
A_j
A_p
A
Obs
RdayRef = −0.47
sigma = 4.78
VcmaxRef = 72.87
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

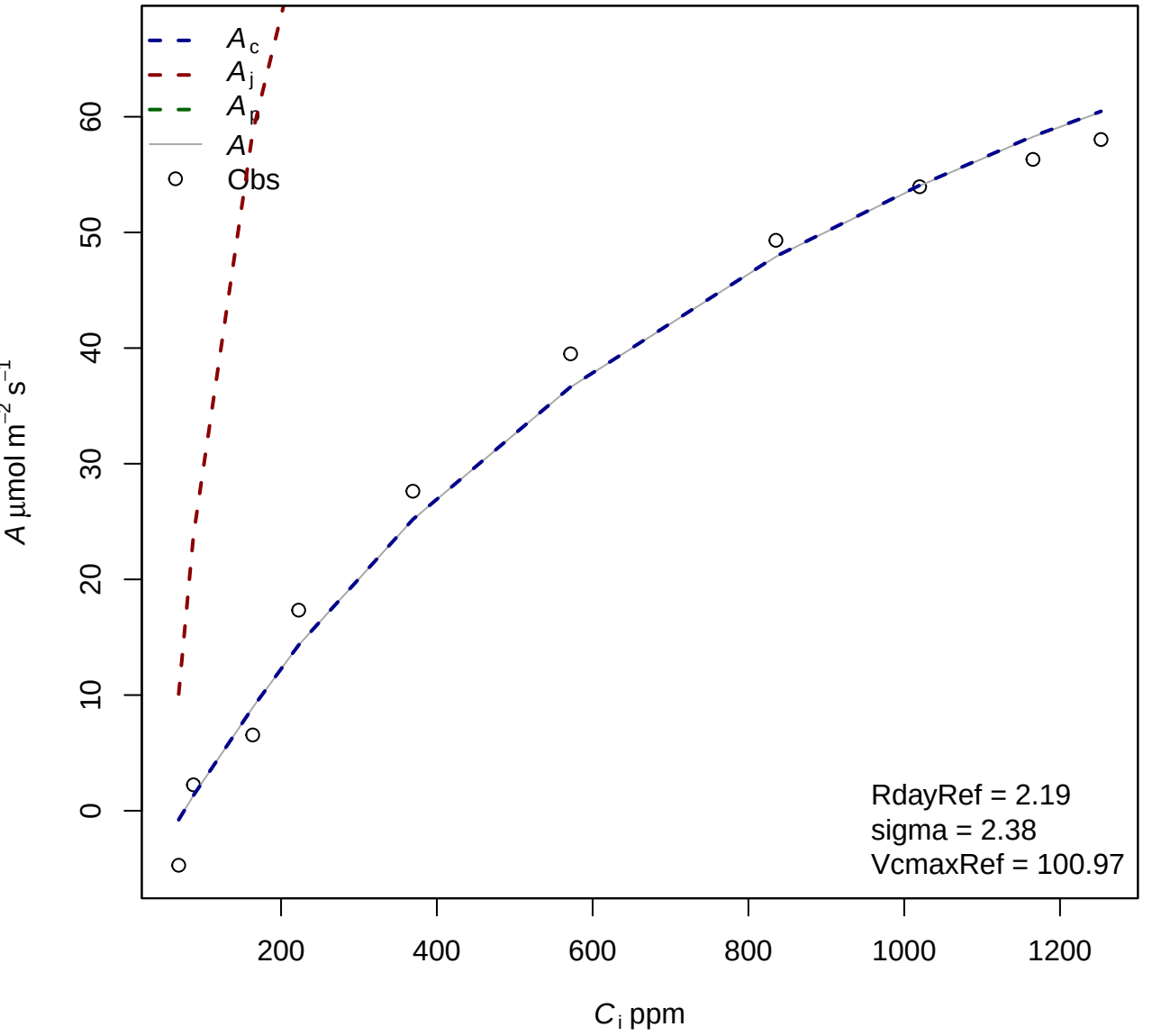

164
A_c
A_j
A_p
A
Obs
RdayRef = −1.55
sigma = 5.39
VcmaxRef = 66.36
0
10
20
30
40
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

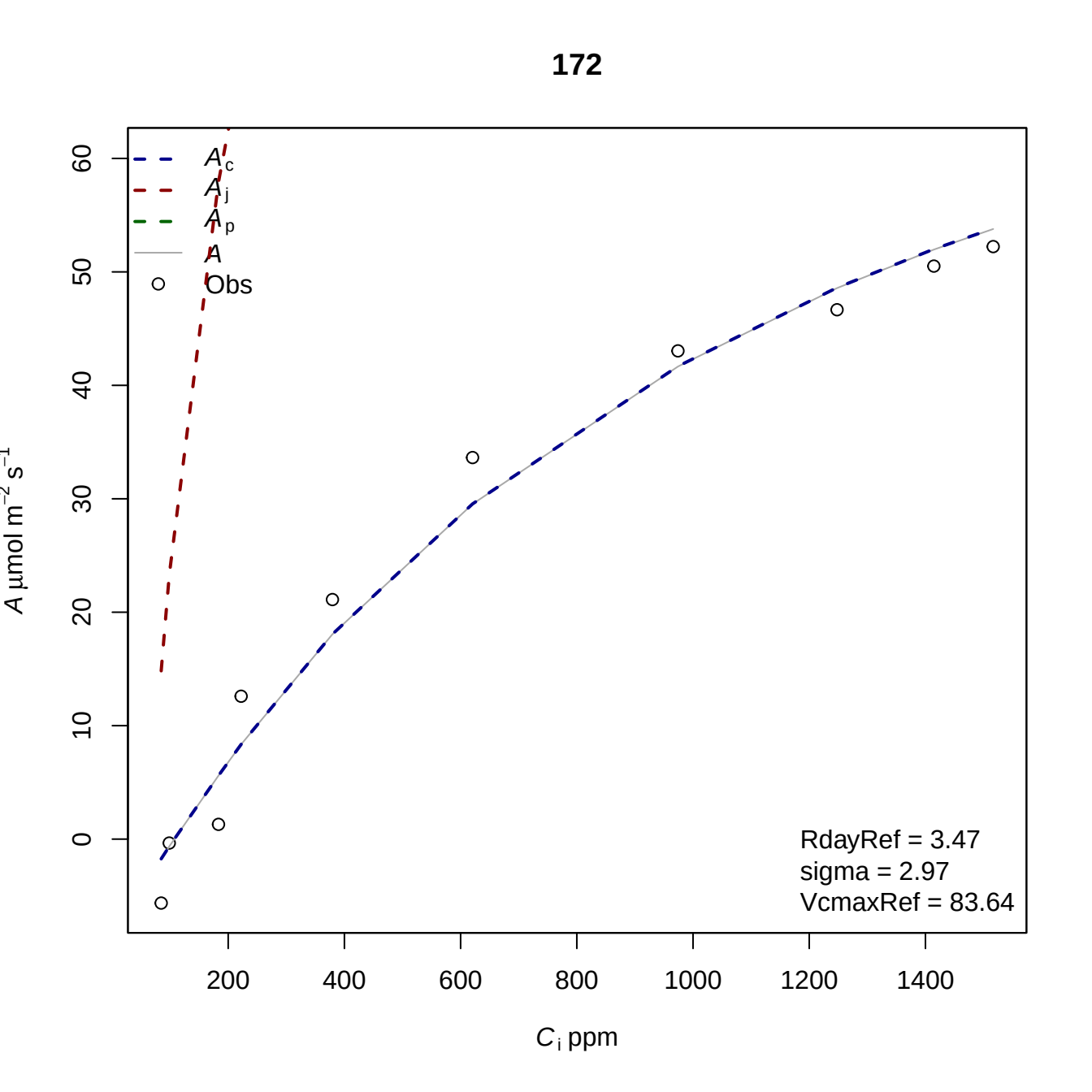

166
A_c
A_j
A_p
A
Obs
RdayRef = −2.59
sigma = 4.83
VcmaxRef = 64.6
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
500
1000
1500


A_c
A_j
A_p
A
Obs
RdayRef = 0.88
sigma = 4.7
VcmaxRef = 81.56
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

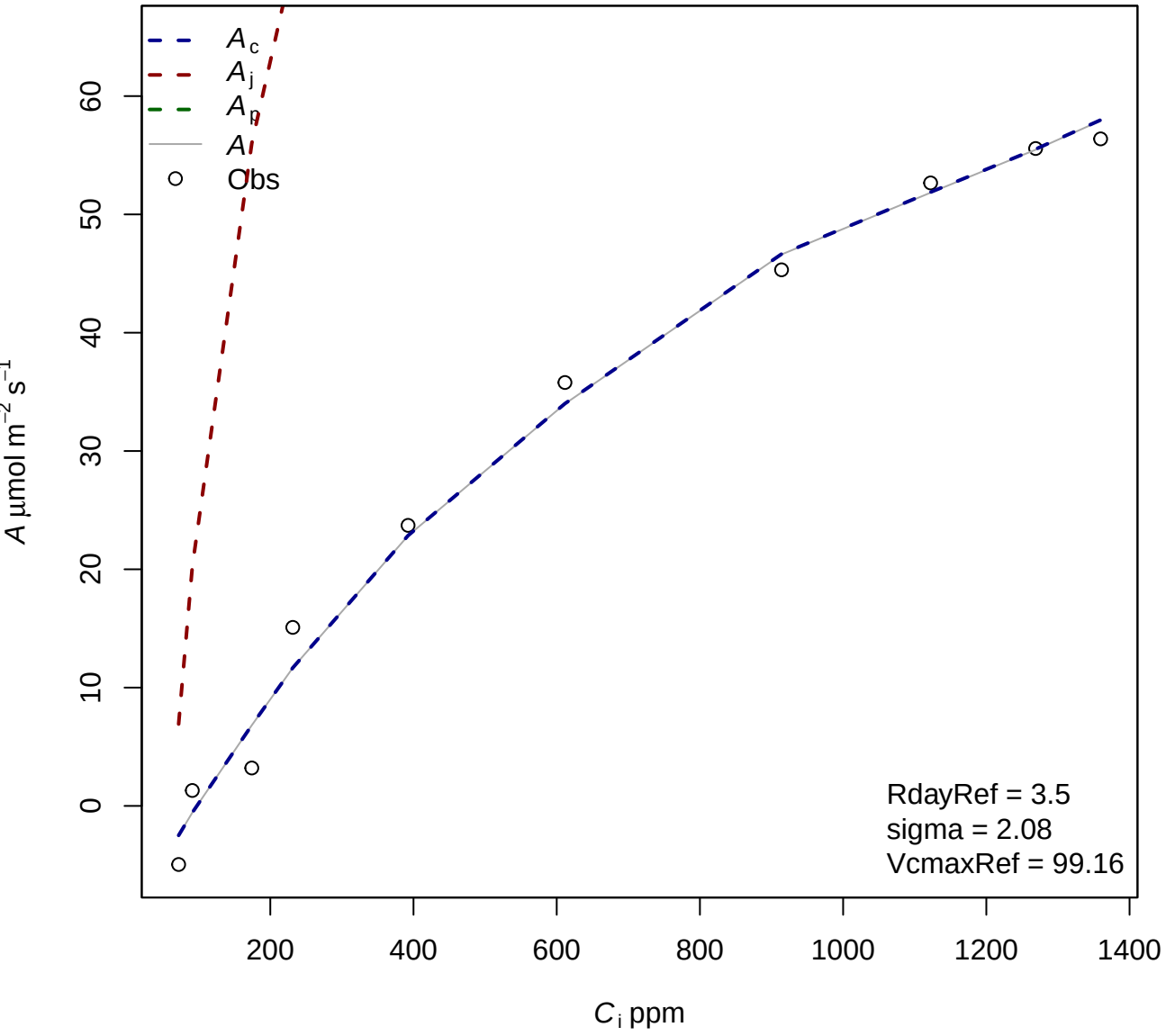

A_c
A_j
A_p
A
Obs
RdayRef = −2.74
sigma = 5.49
VcmaxRef = 66.14
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

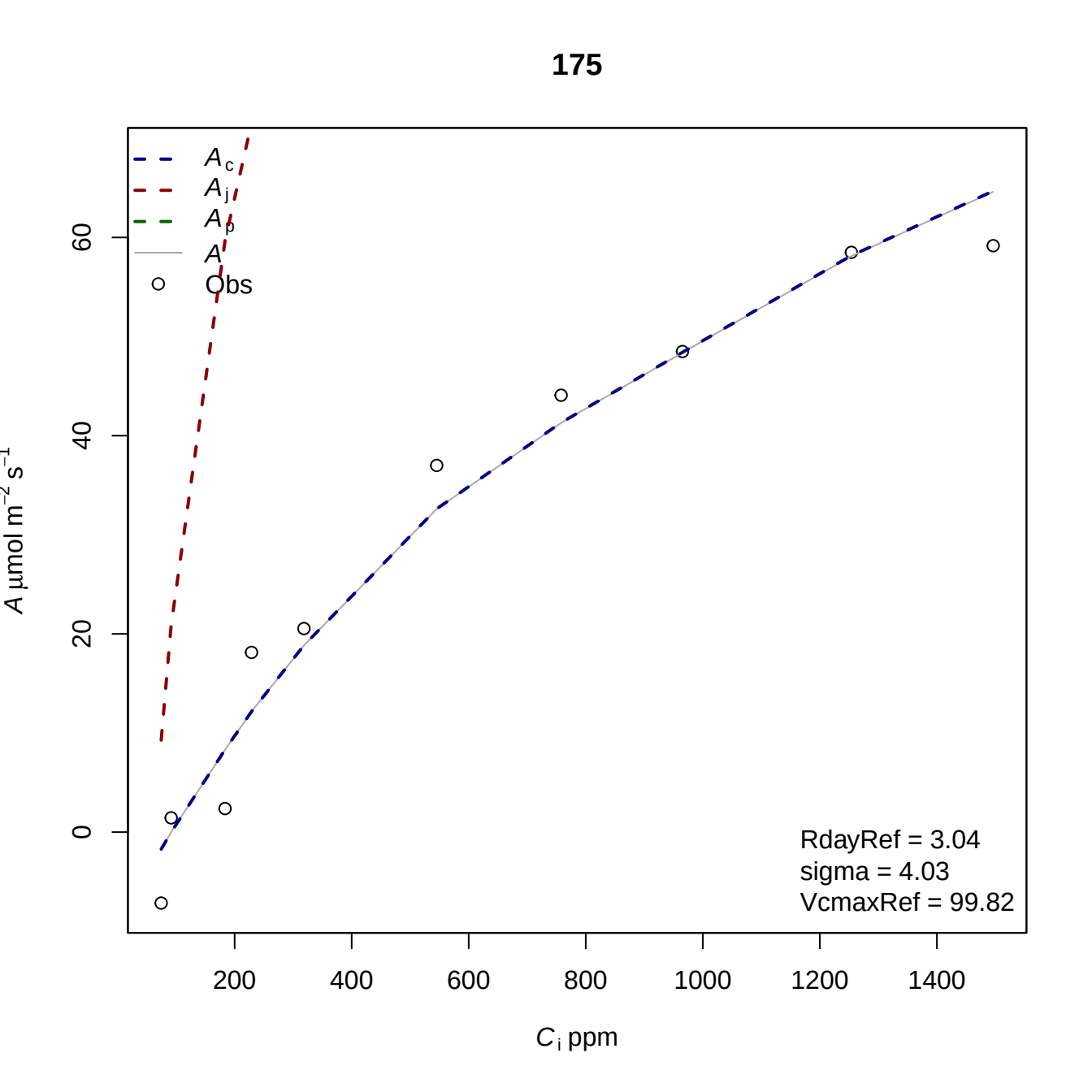

A_c
A_j
A_p
A
Obs
RdayRef = −0.13
sigma = 6.33
VcmaxRef = 86.29
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

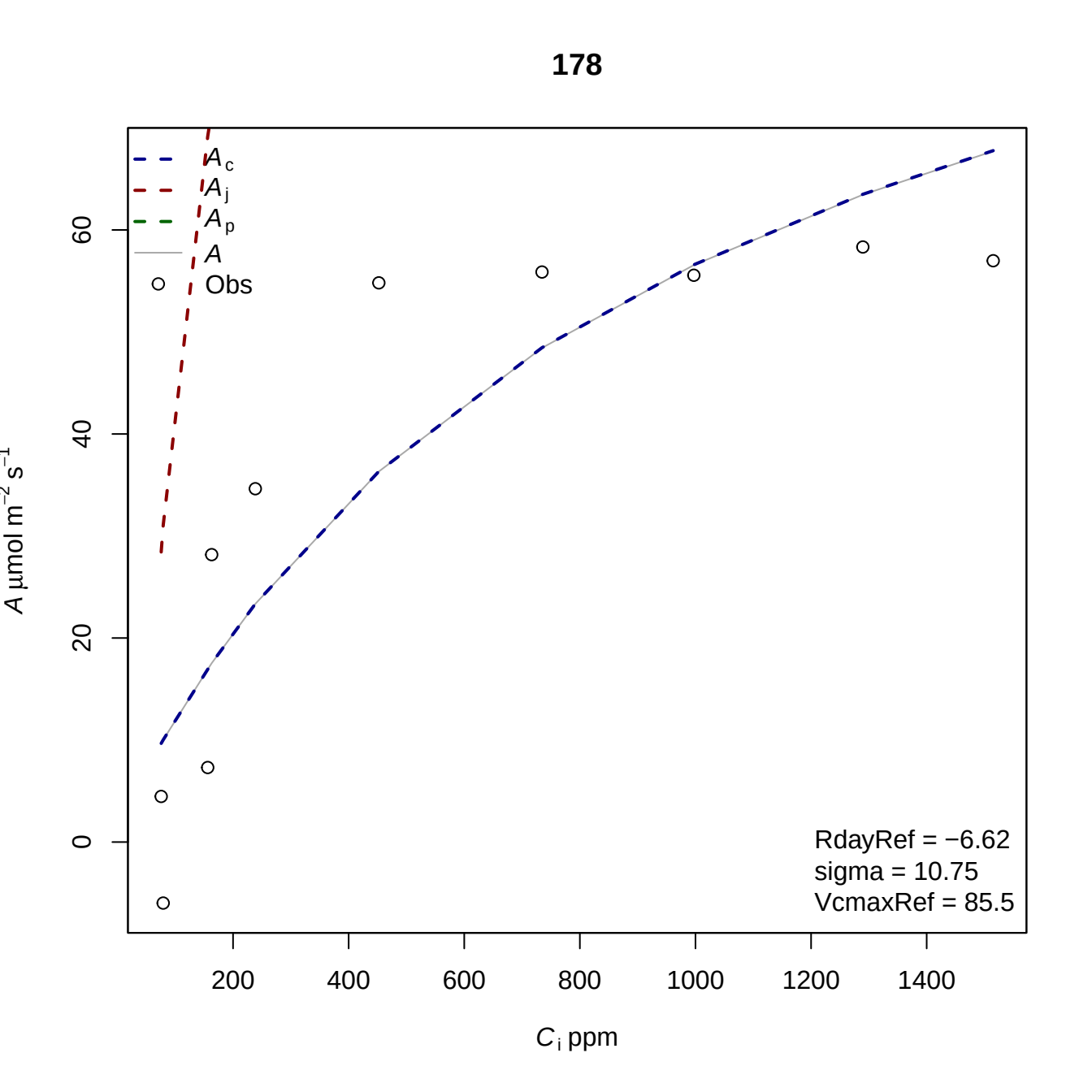

A_c
A_j
A_p
A
Obs
RdayRef = 2.19
sigma = 2.38
VcmaxRef = 100.97
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200

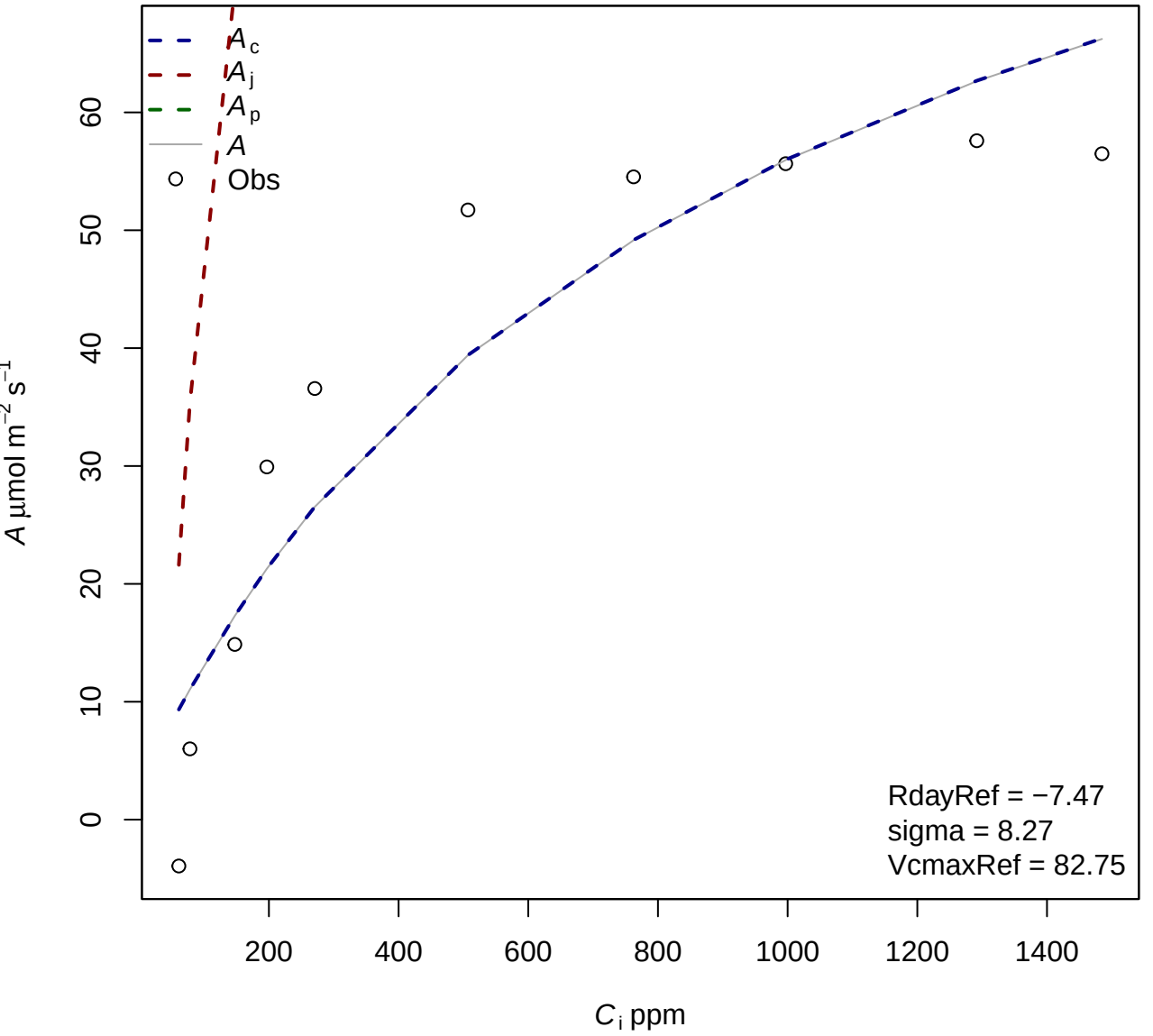


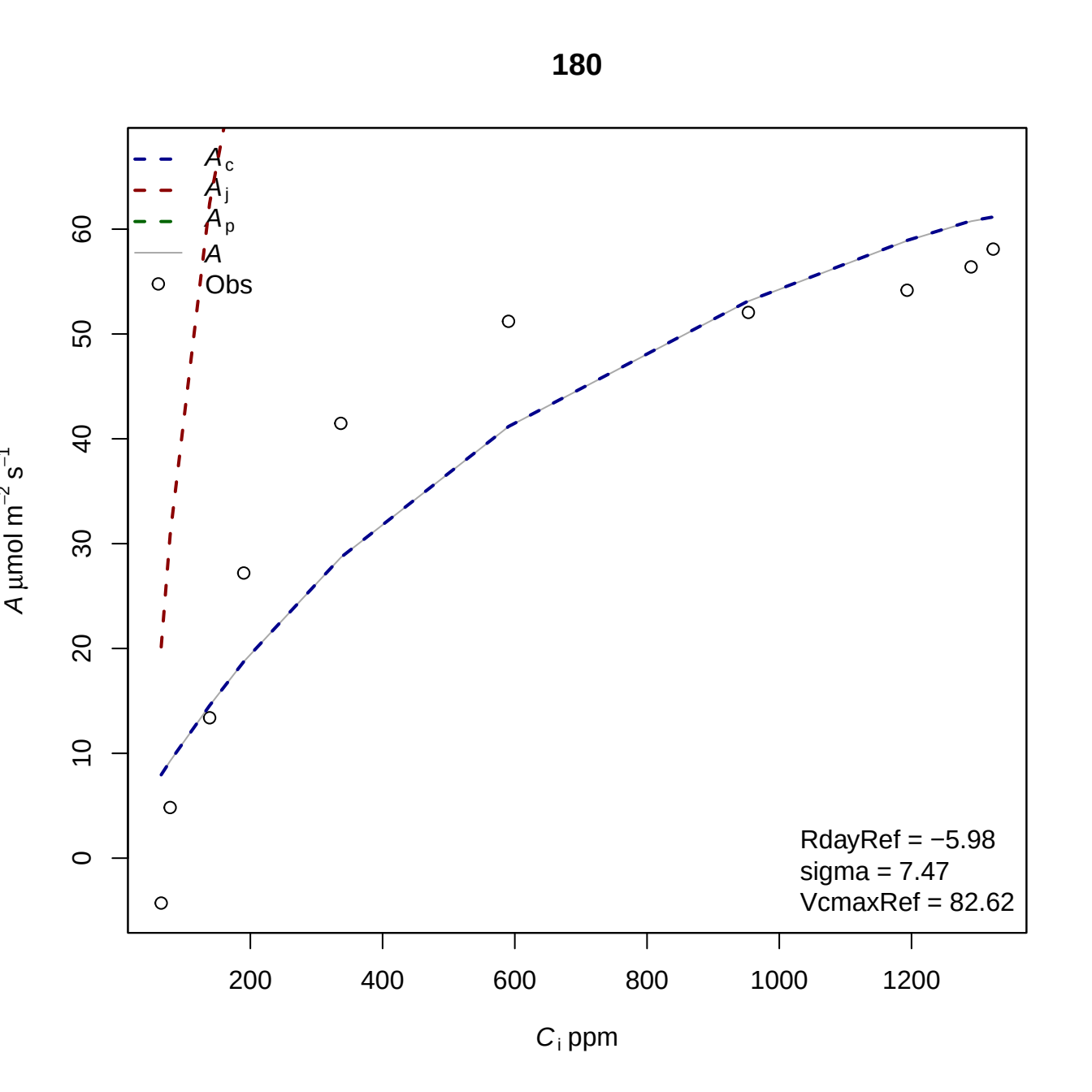
172
A_c
A_j
A_p
A
Obs
RdayRef = 3.47
sigma = 2.97
VcmaxRef = 83.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

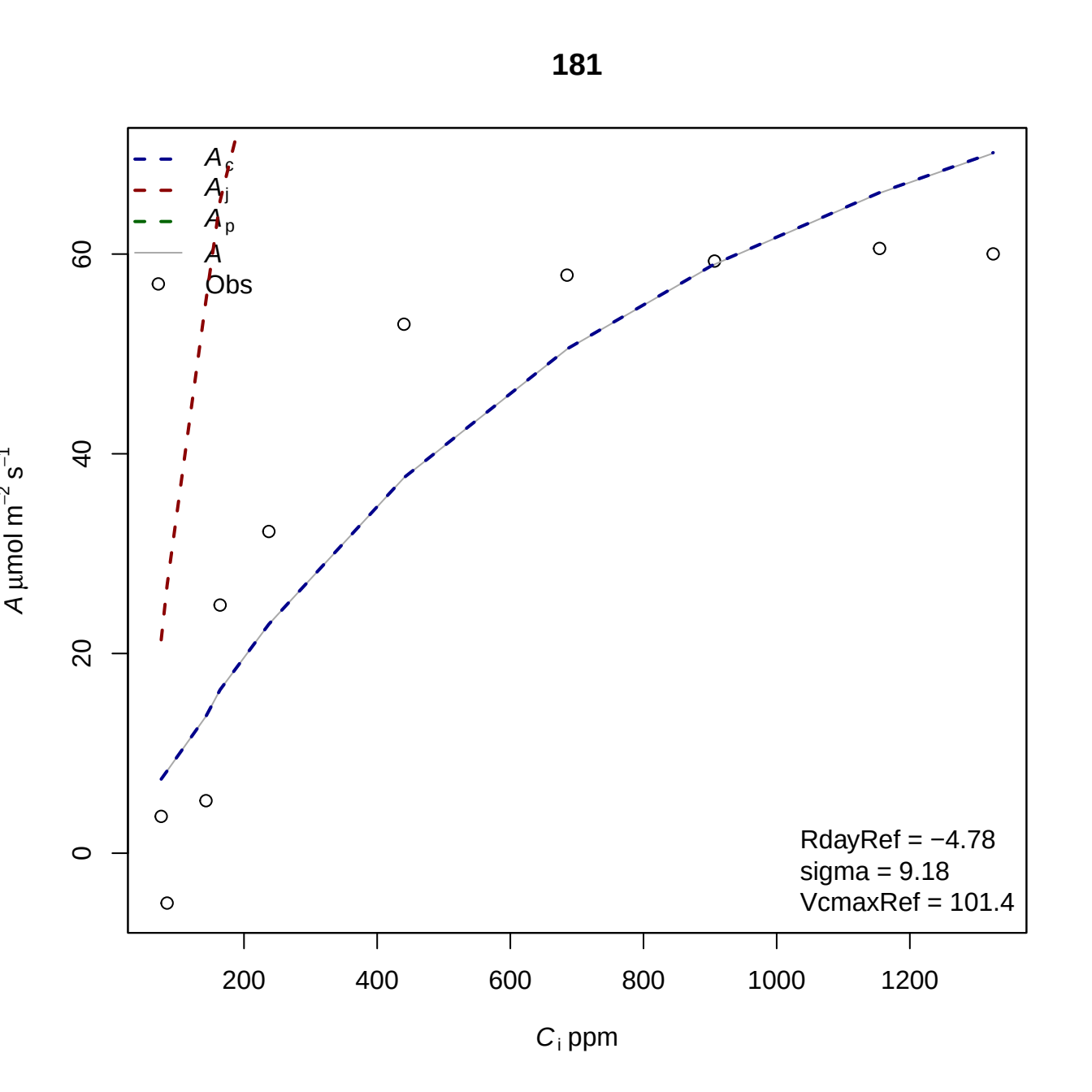

A_c
A_j
A_p
A
Obs
RdayRef = 3.5
sigma = 2.08
VcmaxRef = 99.16
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

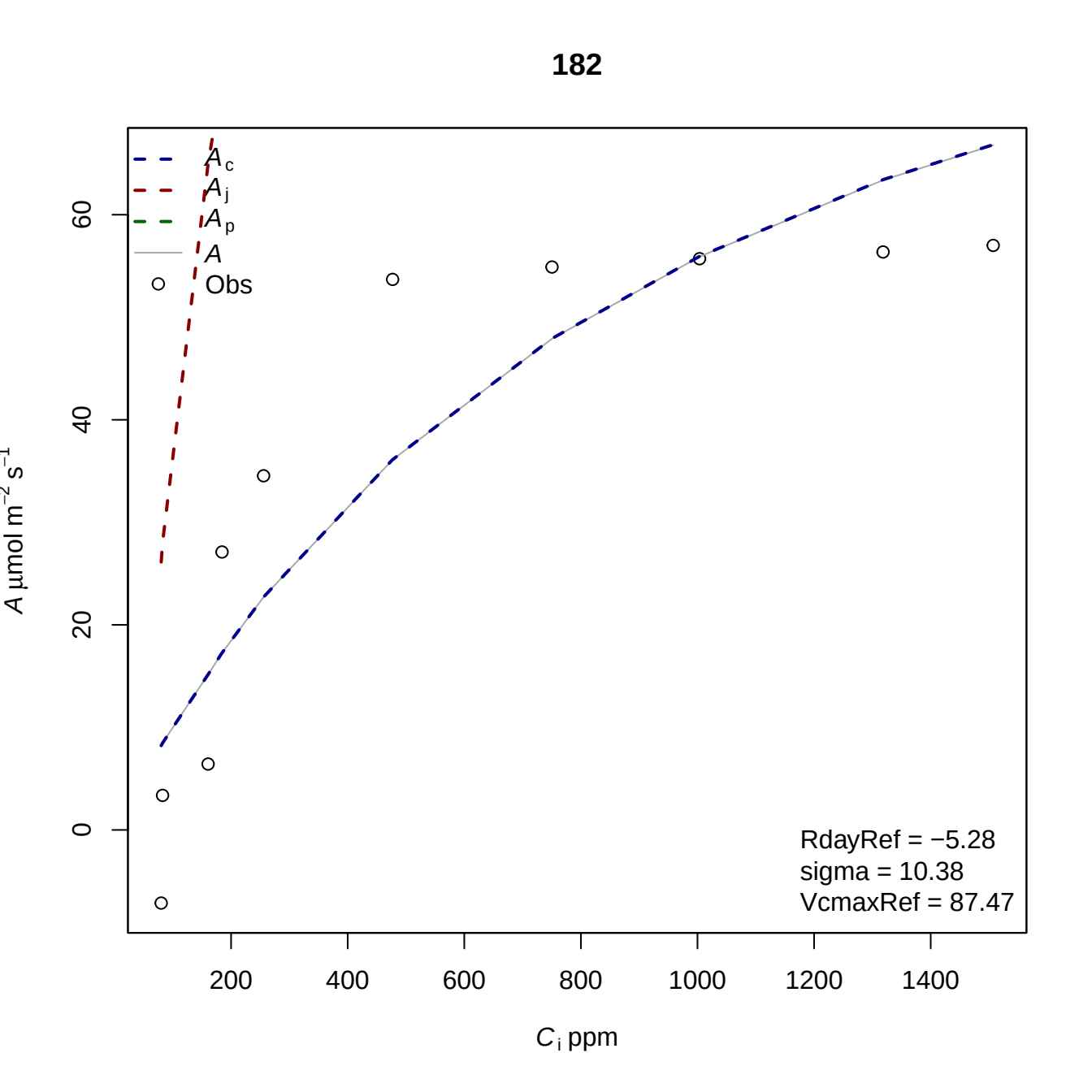

175
A_c
A_j
A_p
A
Obs
RdayRef = 3.04
sigma = 4.03
VcmaxRef = 99.82
A µmol m^{-2} s^{-1}
C_i ppm
0
20
40
60
200
400
600
800
1000
1200
1400

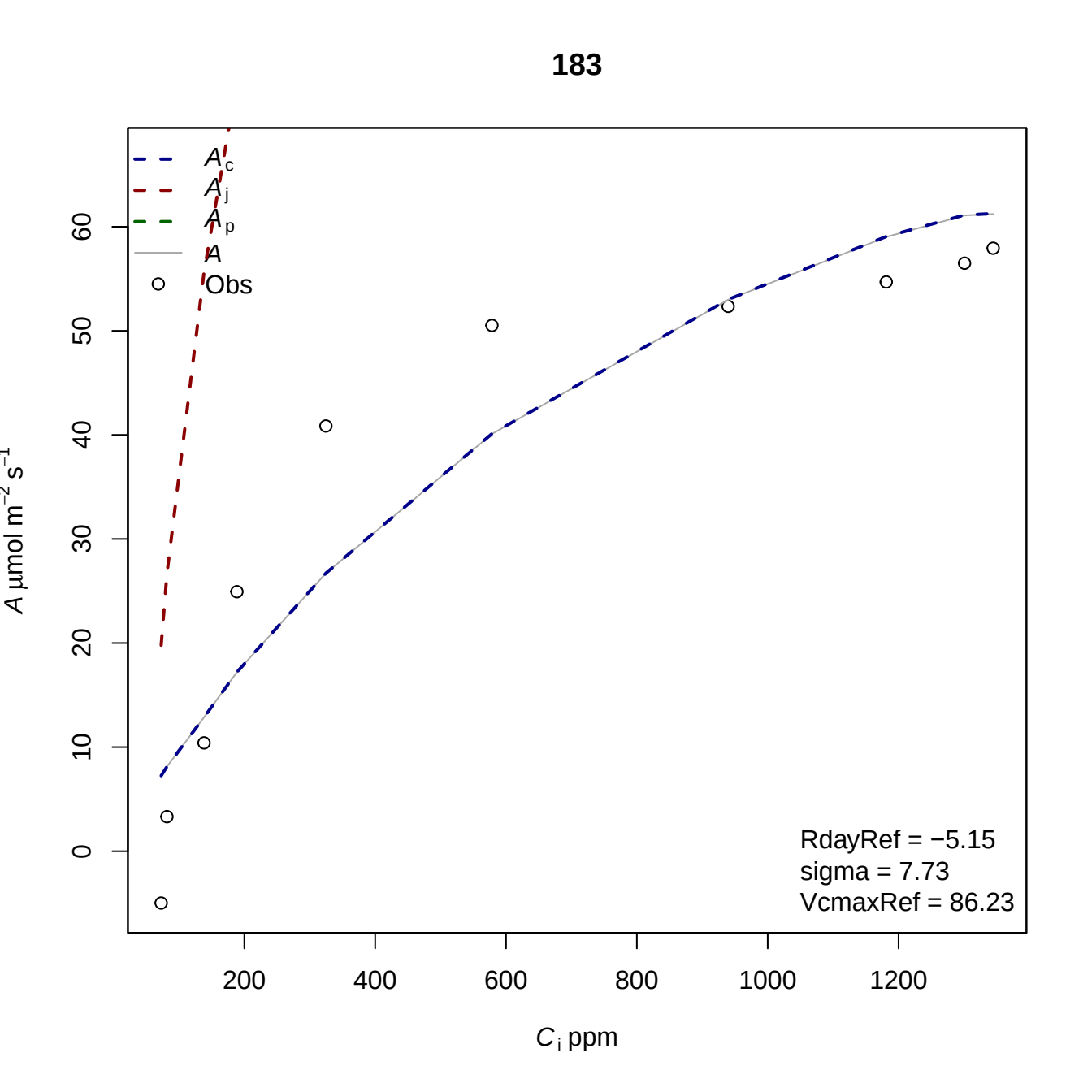

178
A_c
A_j
A_p
A
Obs
RdayRef = −6.62
sigma = 10.75
VcmaxRef = 85.5
0
20
40
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

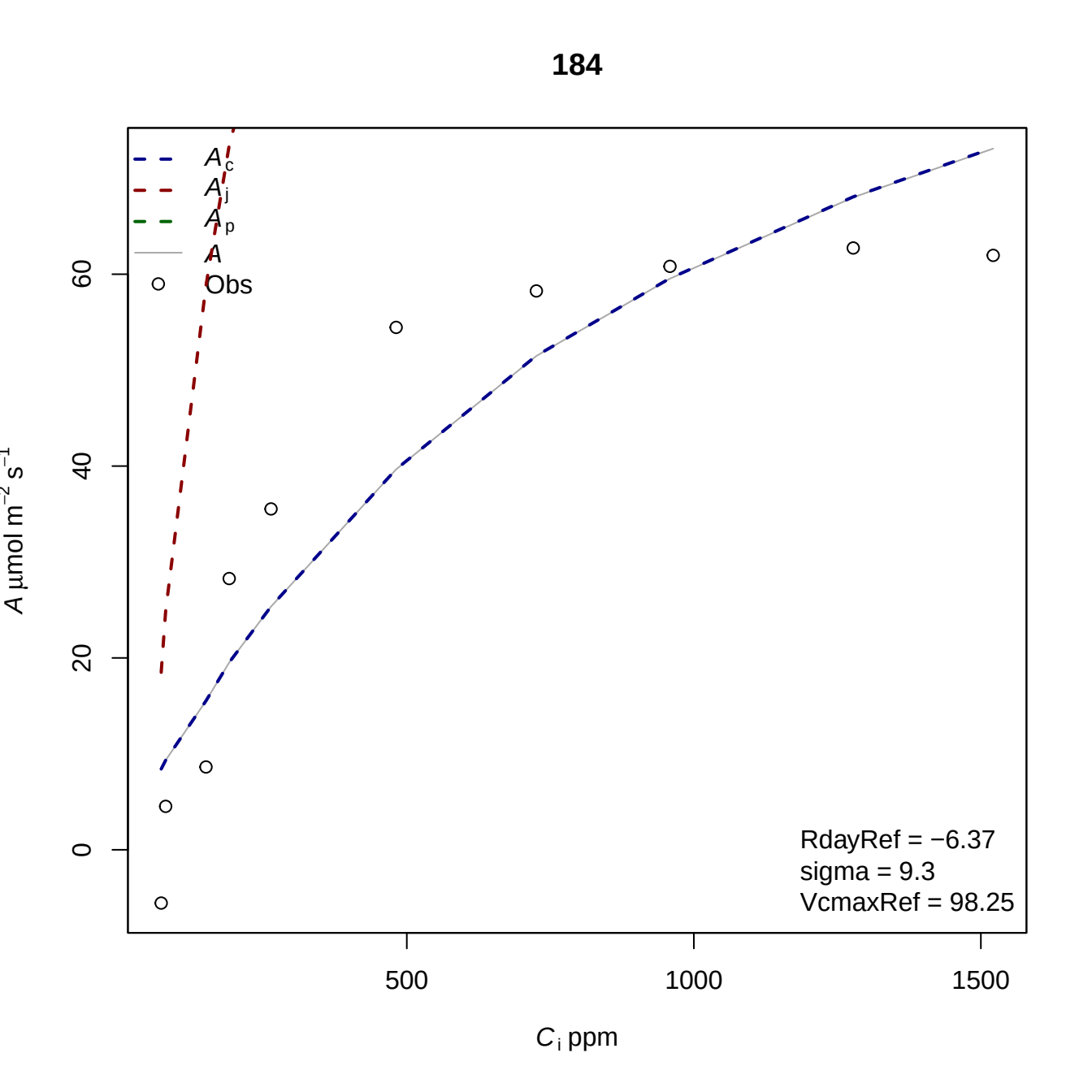

A_c
A_j
A_p
A
Obs
RdayRef = −7.47
sigma = 8.27
VcmaxRef = 82.75
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

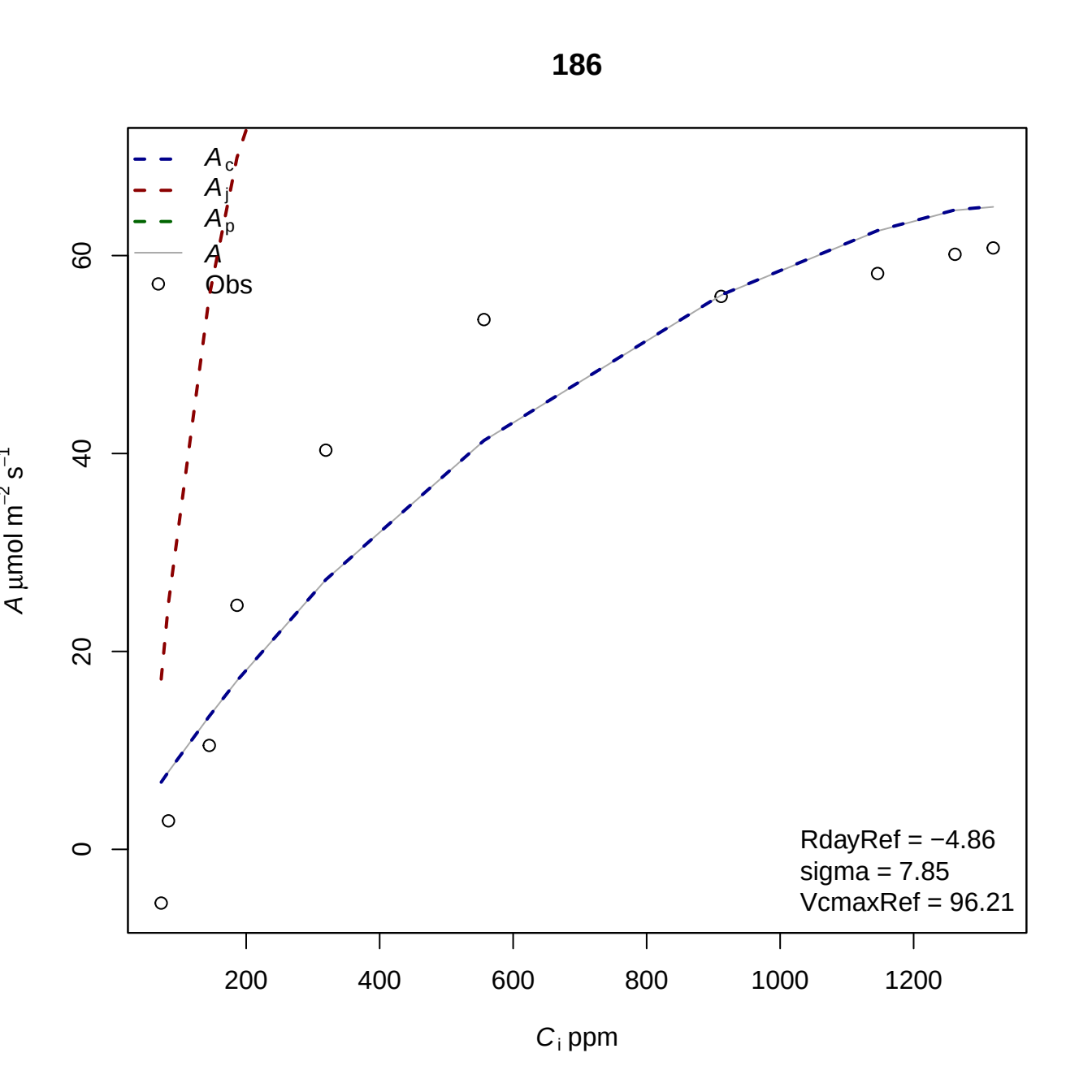

180
A_c
A_j
A_p
A
Obs
RdayRef = −5.98
sigma = 7.47
VcmaxRef = 82.62
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200

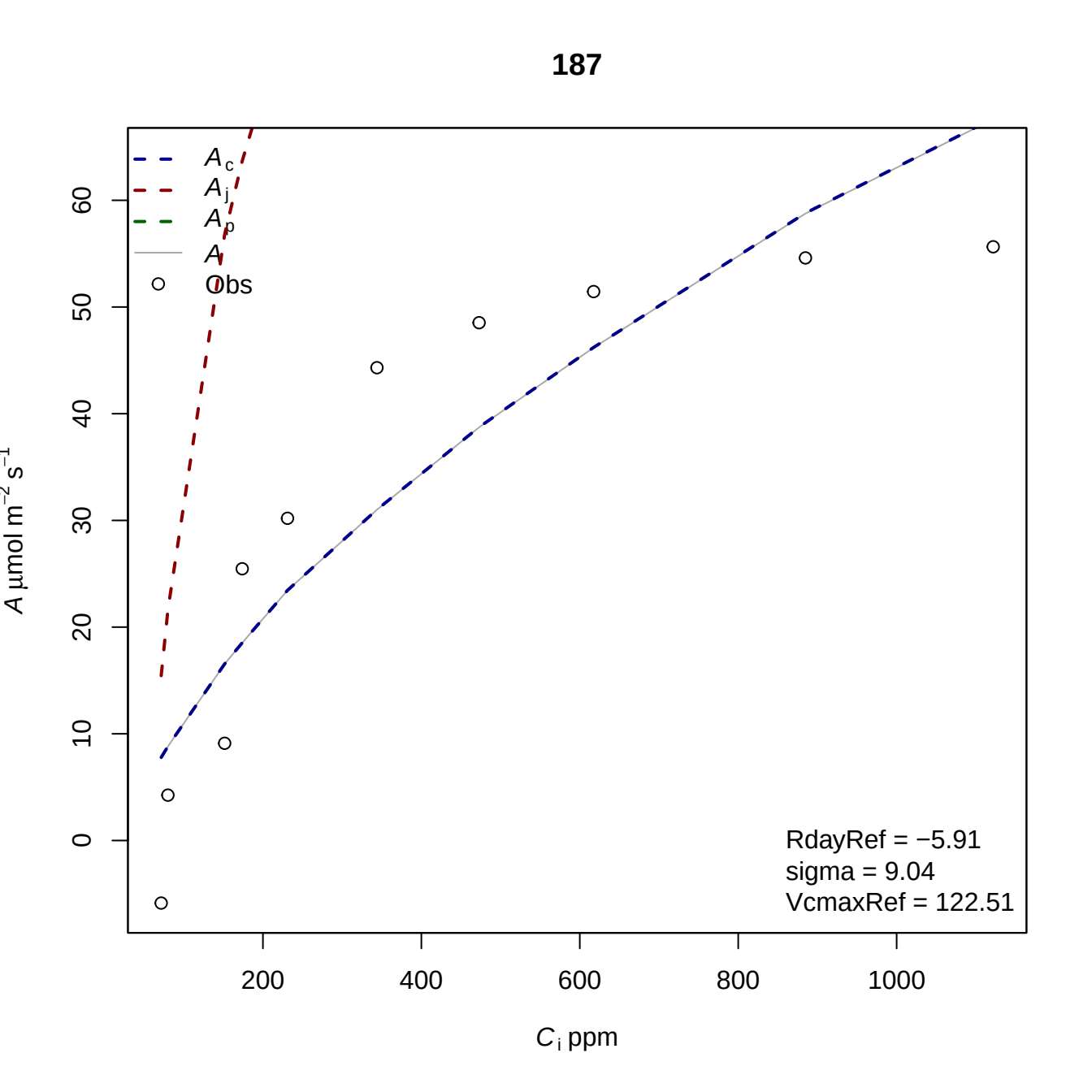

181
A_c
A_j
A_p
A
Obs
RdayRef = −4.78
sigma = 9.18
VcmaxRef = 101.4
A µmol m^{-2} s^{-1}
C_i ppm
0
20
40
60
200
400
600
800
1000
1200

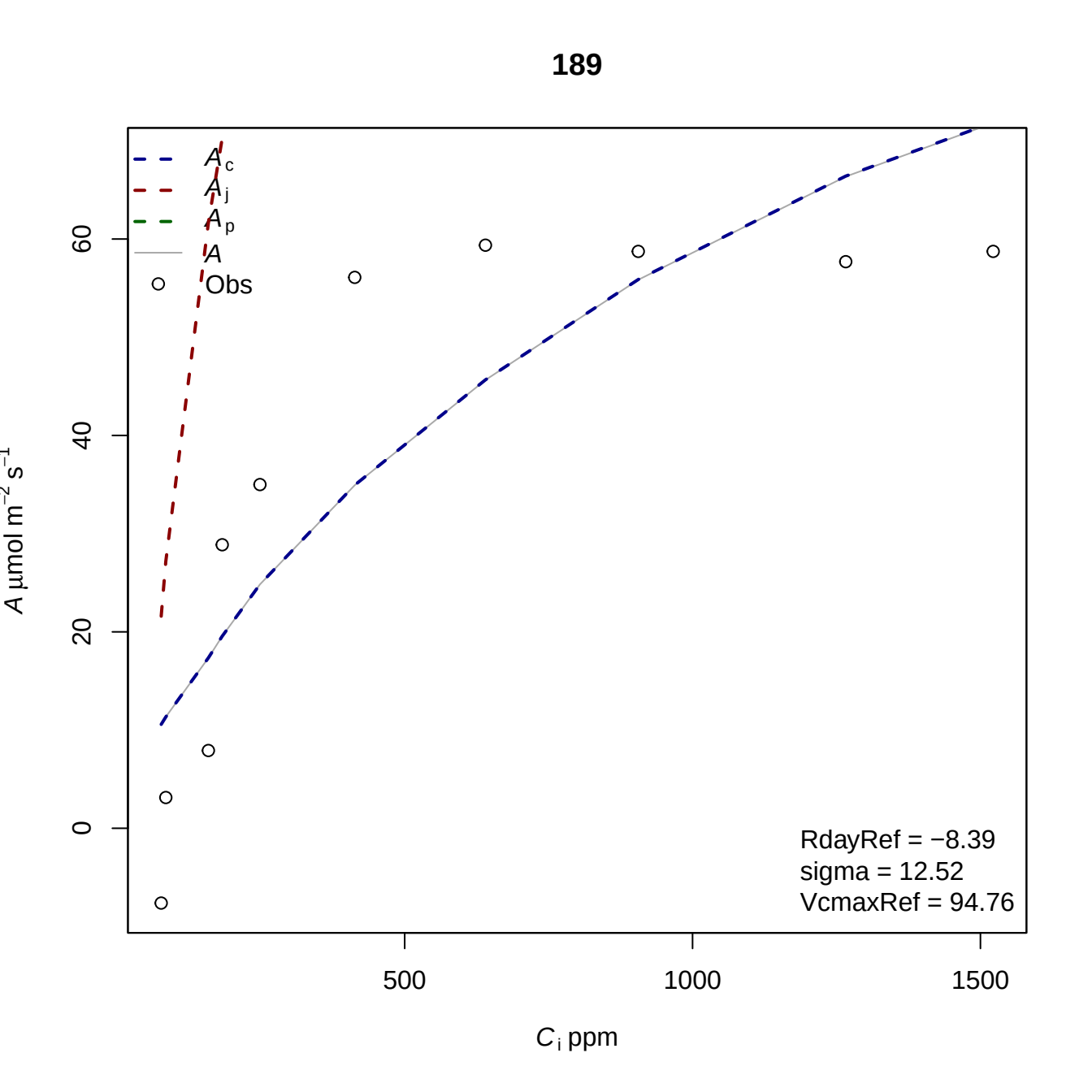

182
A_c
A_j
A_p
A
Obs
RdayRef = −5.28
sigma = 10.38
VcmaxRef = 87.47
0
20
40
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

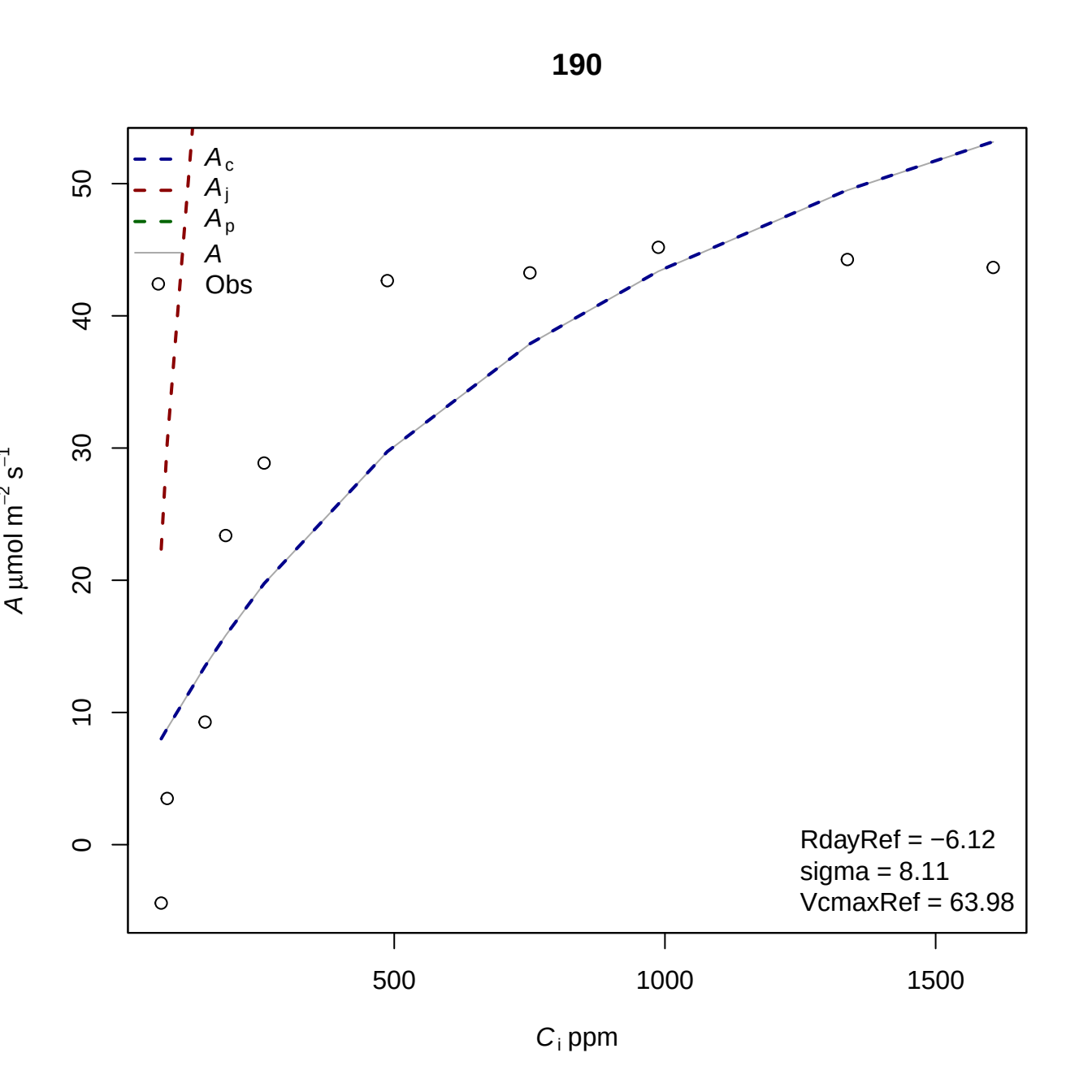

183
A_c
A_j
A_p
A
Obs
RdayRef = −5.15
sigma = 7.73
VcmaxRef = 86.23
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200

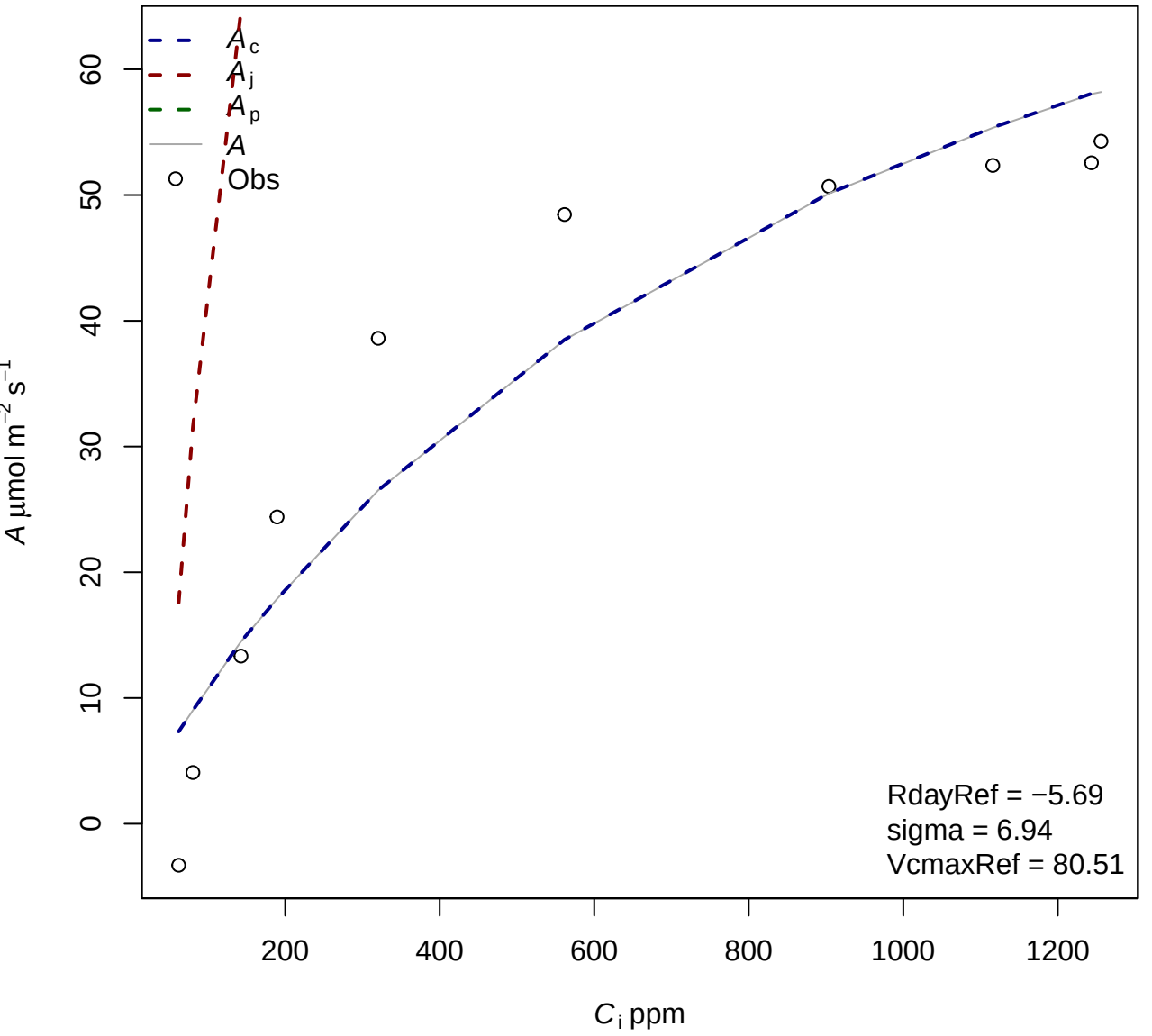

184
A_c
A_j
A_p
A
Obs
RdayRef = −6.37
sigma = 9.3
VcmaxRef = 98.25
0
20
40
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

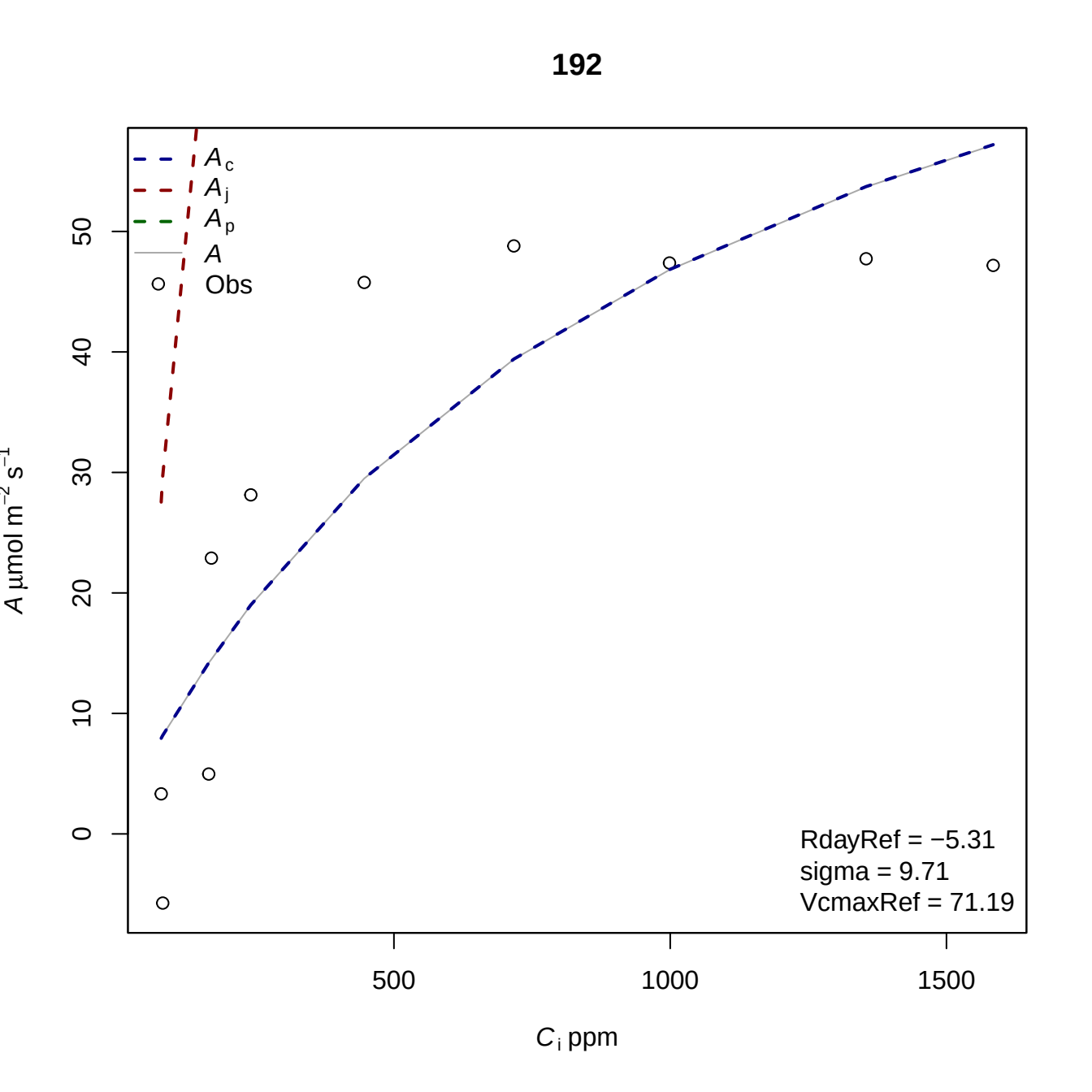

186
A_c
A_j
A_p
A
Obs
RdayRef = −4.86
sigma = 7.85
VcmaxRef = 96.21
A µmol m^{-2} s^{-1}
C_i ppm
0
20
40
60
200
400
600
800
1000
1200

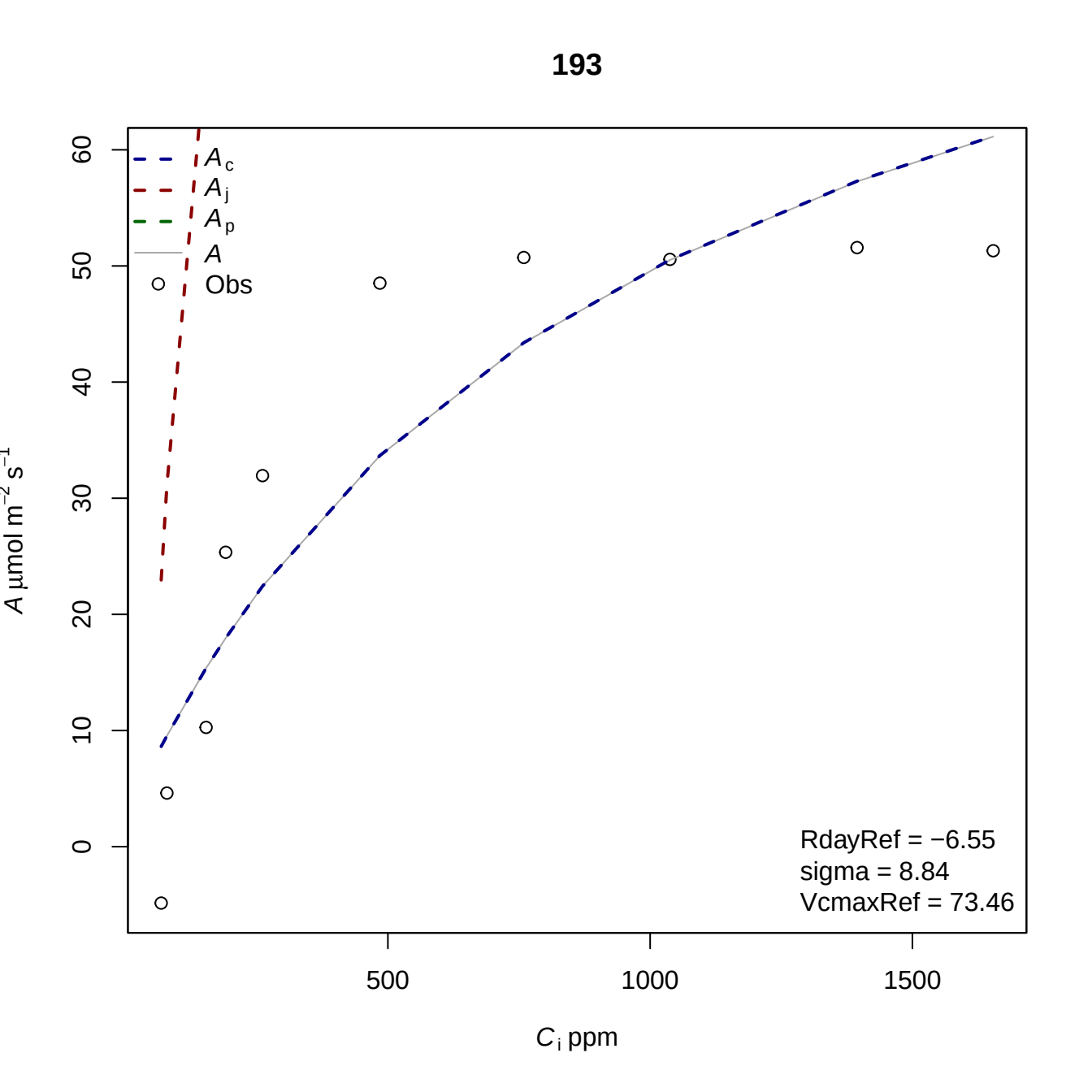

187
A_c
A_j
A_p
A
Obs
RdayRef = −5.91
sigma = 9.04
VcmaxRef = 122.51
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000

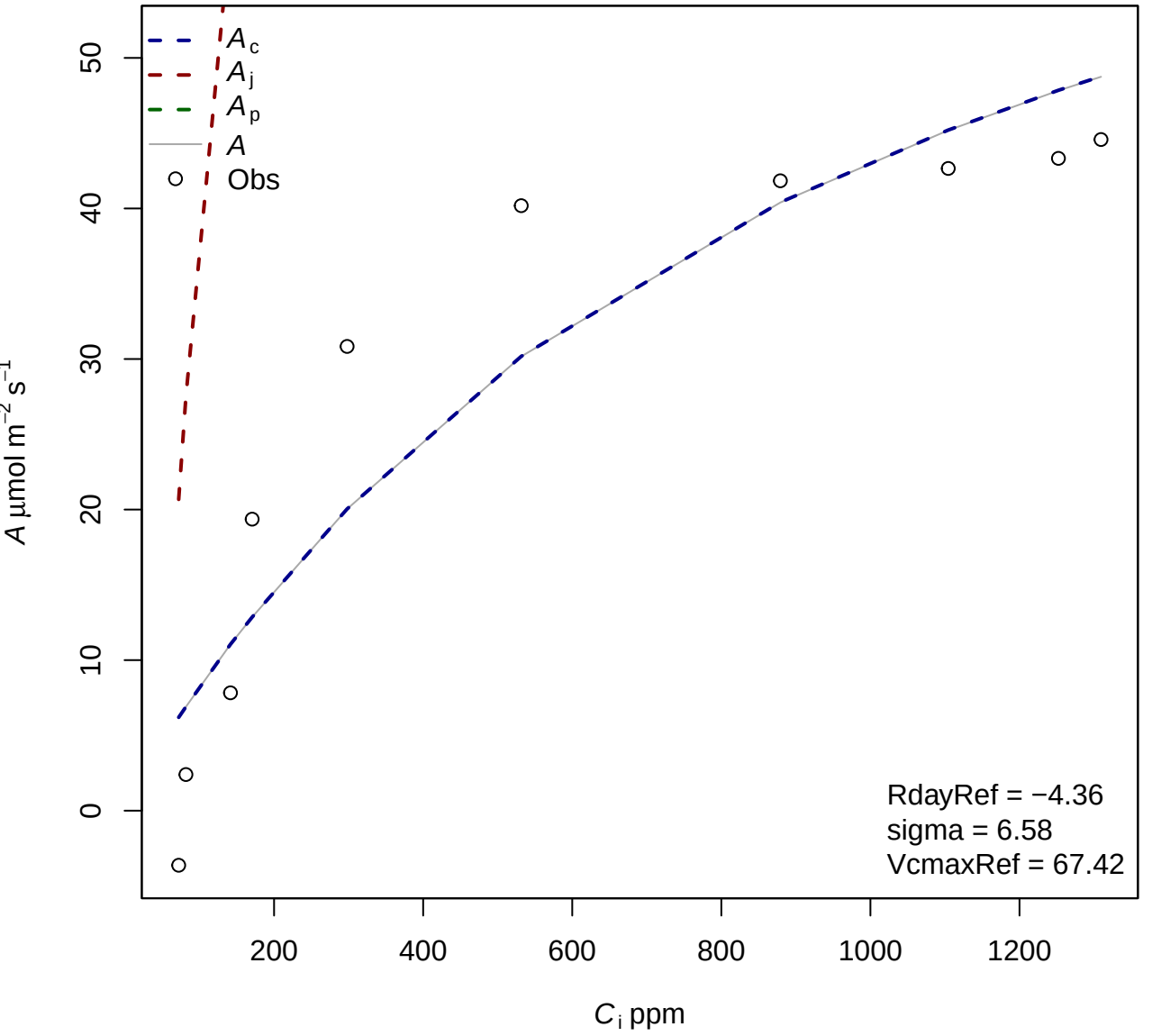

189
A_c
A_j
A_p
A
Obs
RdayRef = −8.39
sigma = 12.52
VcmaxRef = 94.76
0
20
40
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

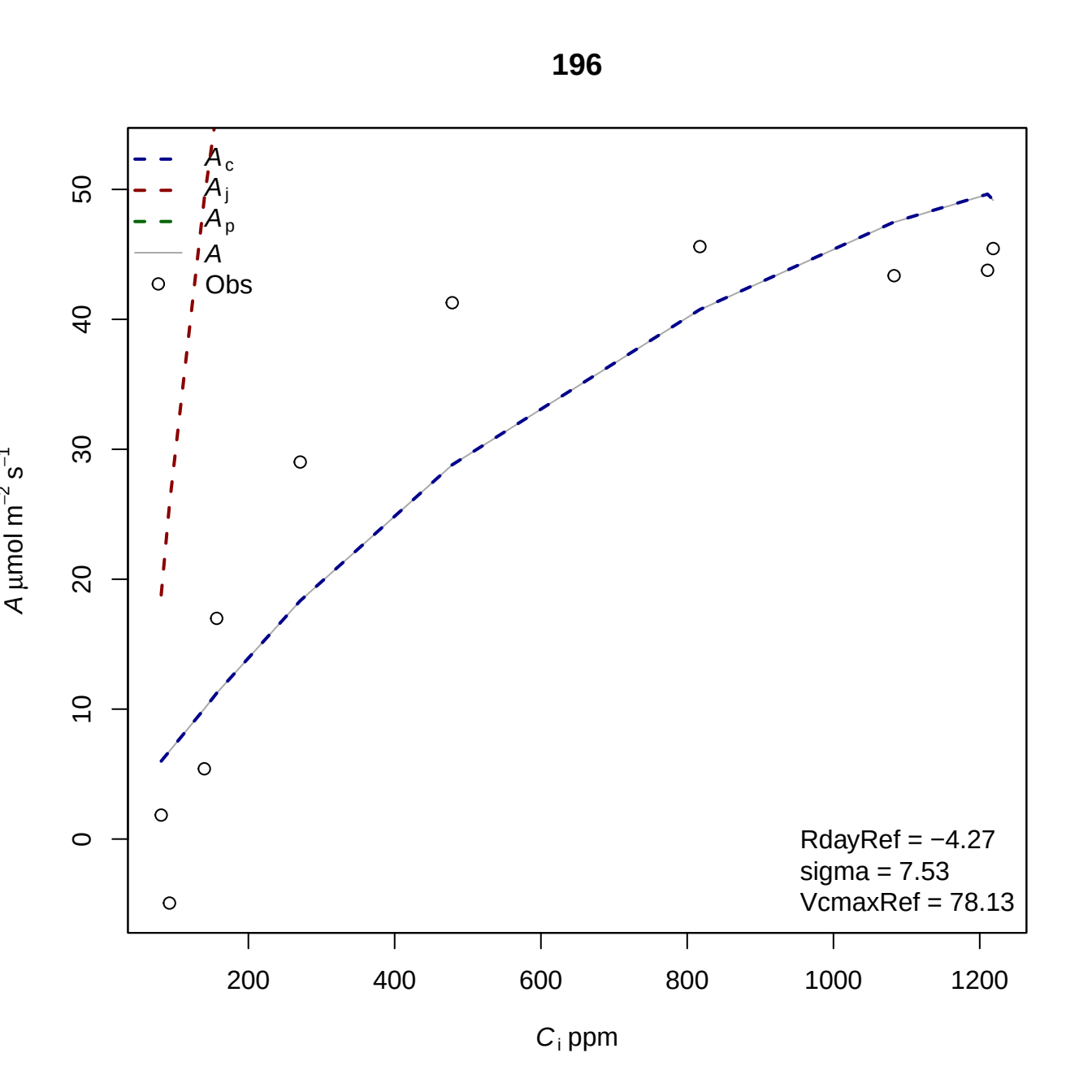

190
A_c
A_j
A_p
A
Obs
RdayRef = −6.12
sigma = 8.11
VcmaxRef = 63.98
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

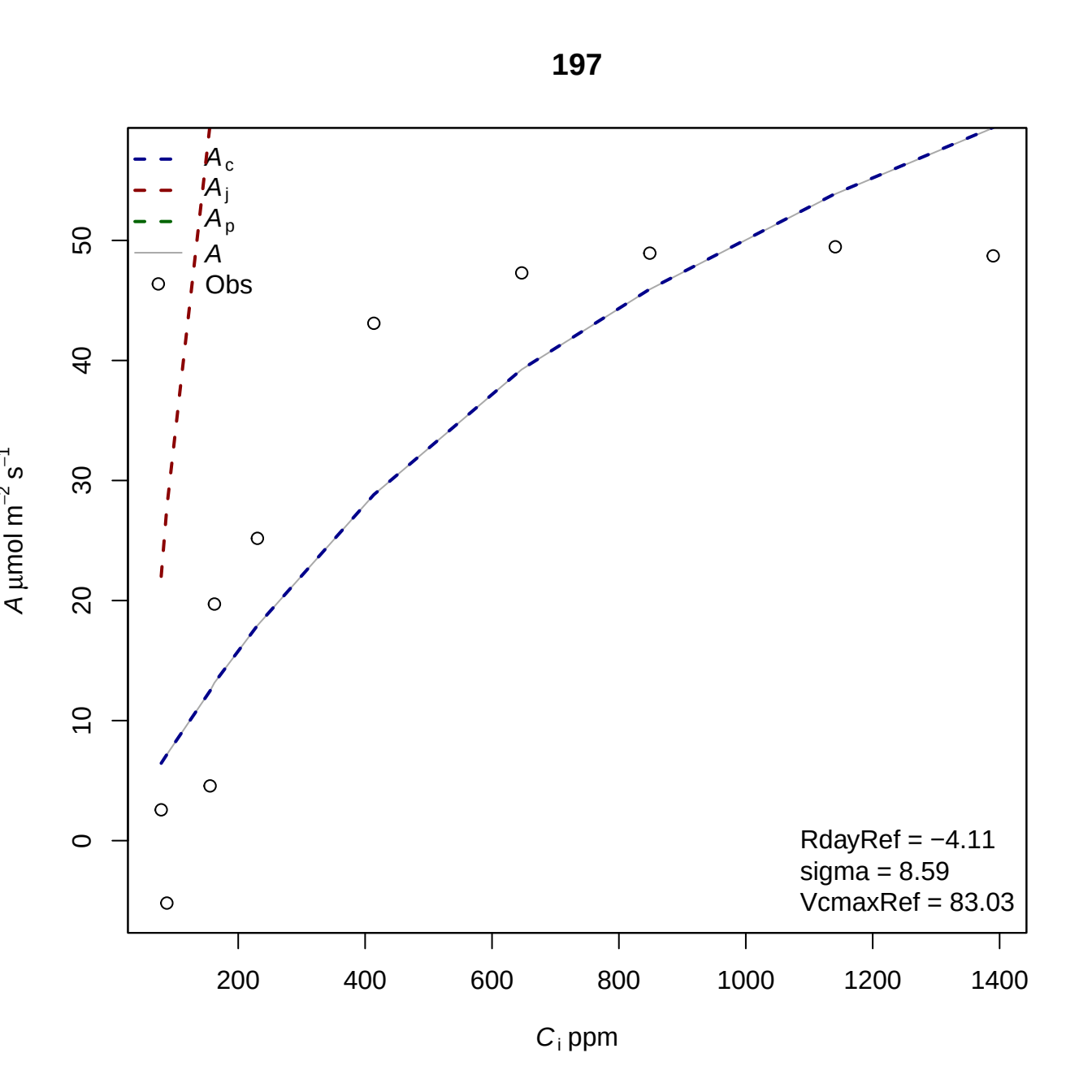

A_c
A_j
A_p
A
Obs
RdayRef = −5.69
sigma = 6.94
VcmaxRef = 80.51
0
10
20
30
40
50
60
200
400
600
800
1000
1200
A µmol m^{-2} s^{-1}
C_i ppm

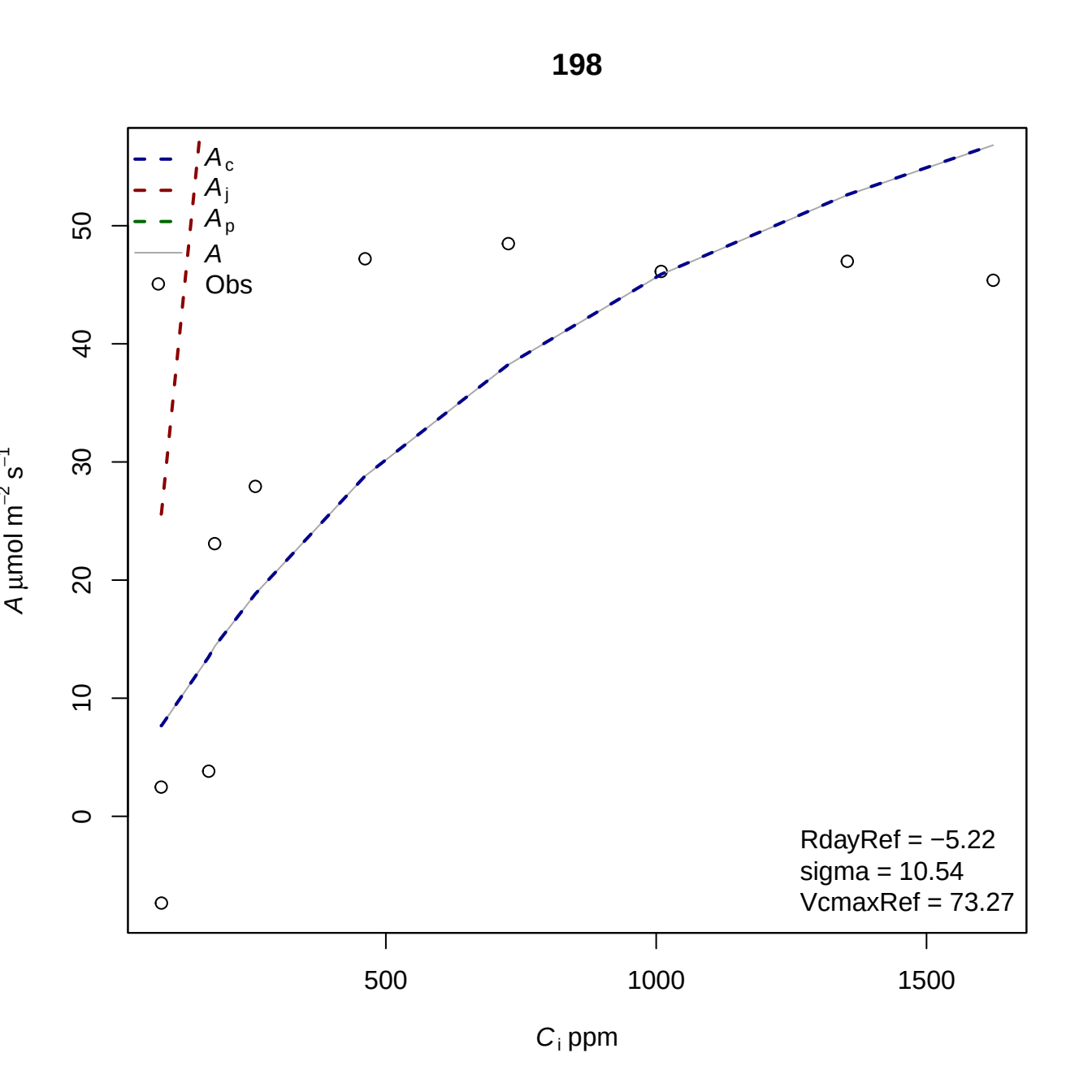

192
A_c
A_j
A_p
A
Obs
RdayRef = −5.31
sigma = 9.71
VcmaxRef = 71.19
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

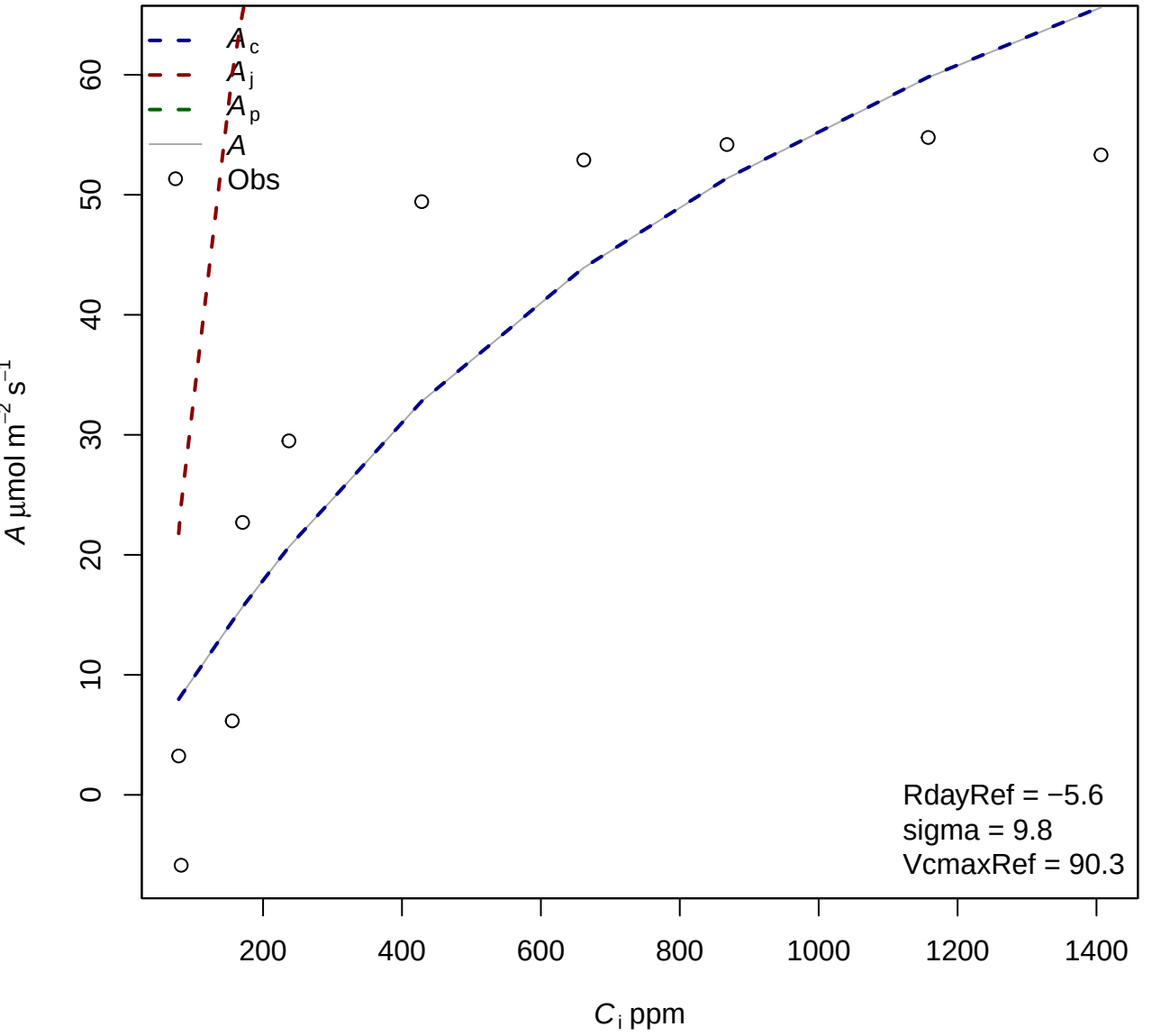

193
A_c
A_j
A_p
A
Obs
RdayRef = −6.55
sigma = 8.84
VcmaxRef = 73.46
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
500
1000
1500

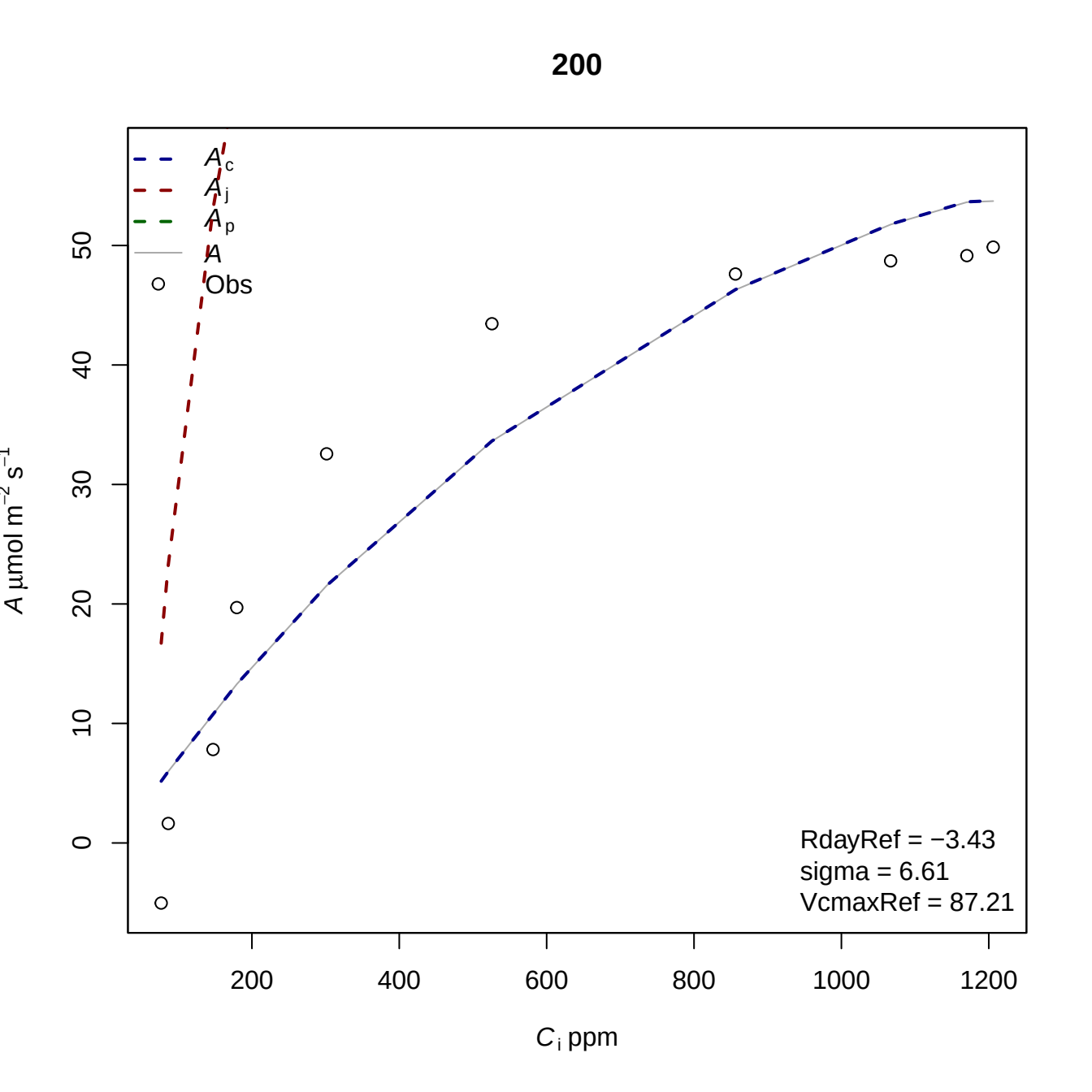

A_c
A_j
A_p
A
Obs
RdayRef = −4.36
sigma = 6.58
VcmaxRef = 67.42
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

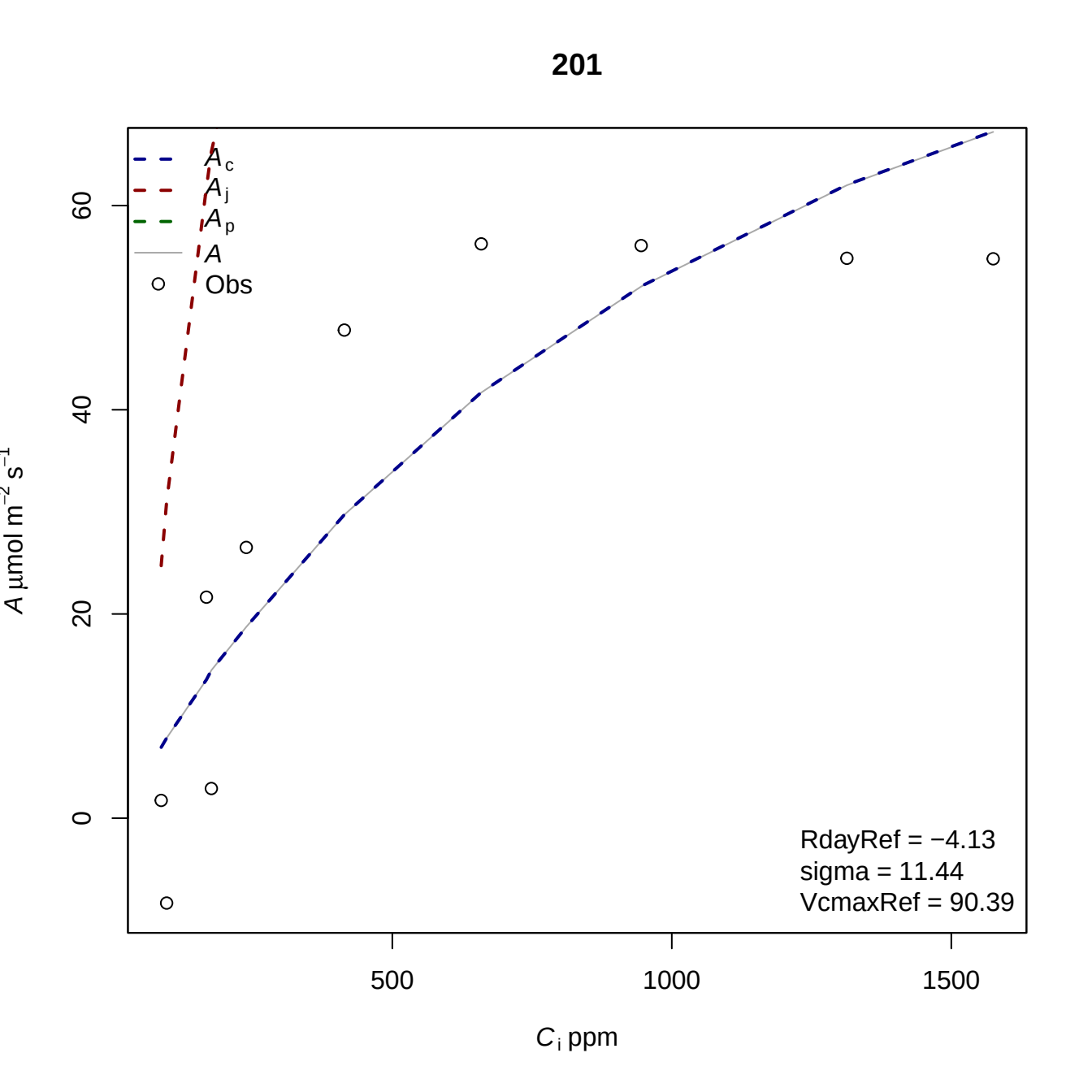

196
A_c
A_j
A_p
A
Obs
RdayRef = −4.27
sigma = 7.53
VcmaxRef = 78.13
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

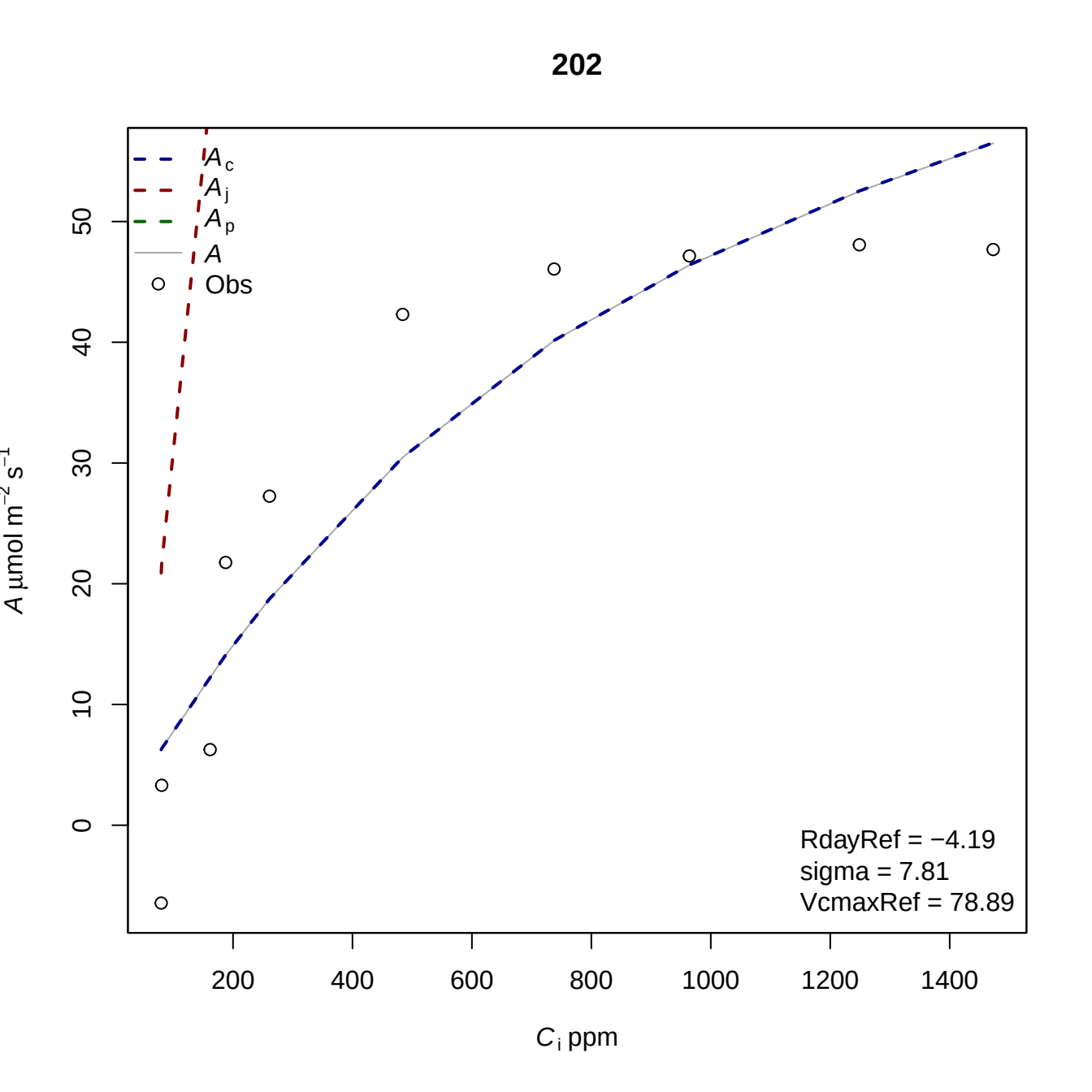

197
A_c
A_j
A_p
A
Obs
RdayRef = −4.11
sigma = 8.59
VcmaxRef = 83.03
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

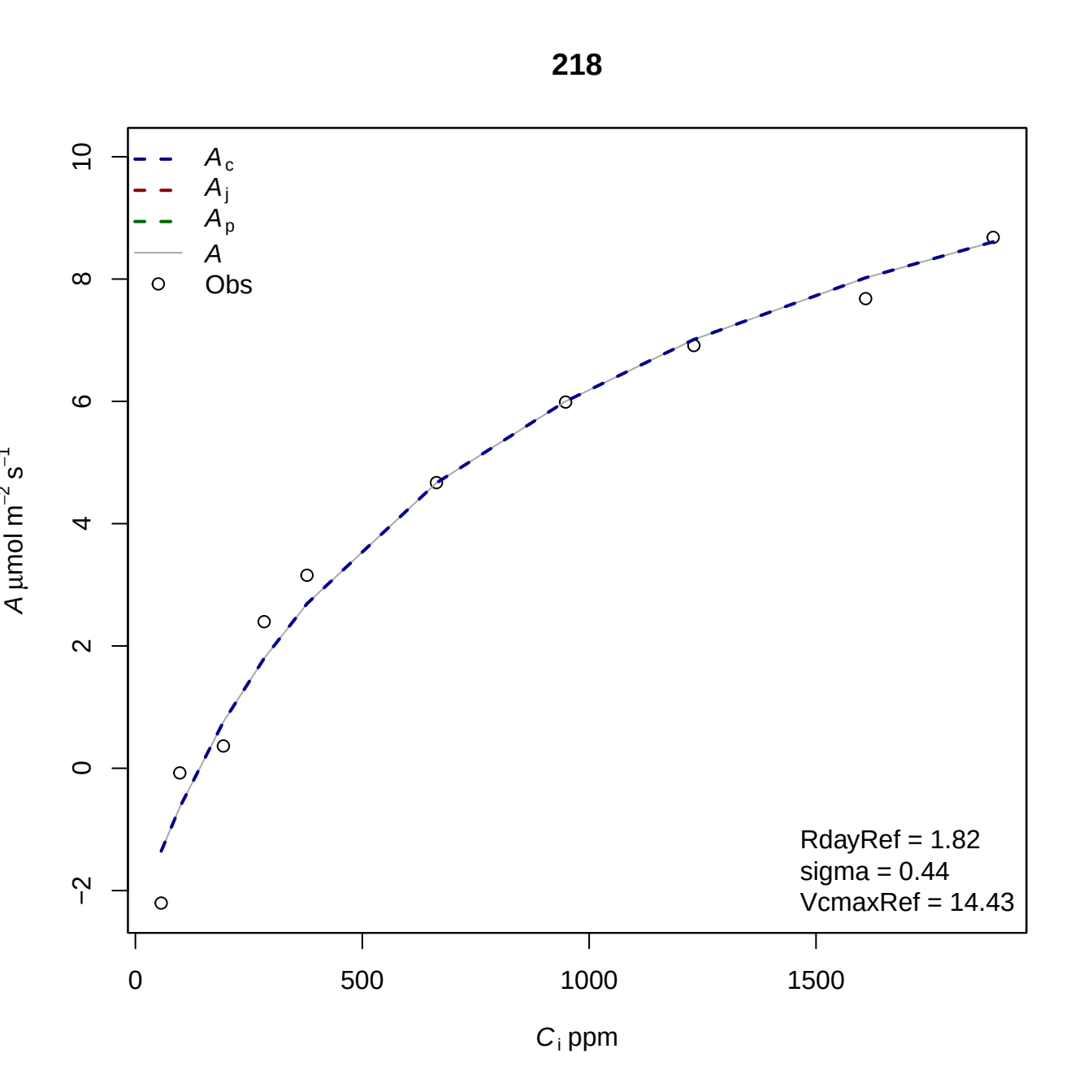

198
A_c
A_j
A_p
A
Obs
RdayRef = −5.22
sigma = 10.54
VcmaxRef = 73.27
0
10
20
30
40
50
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

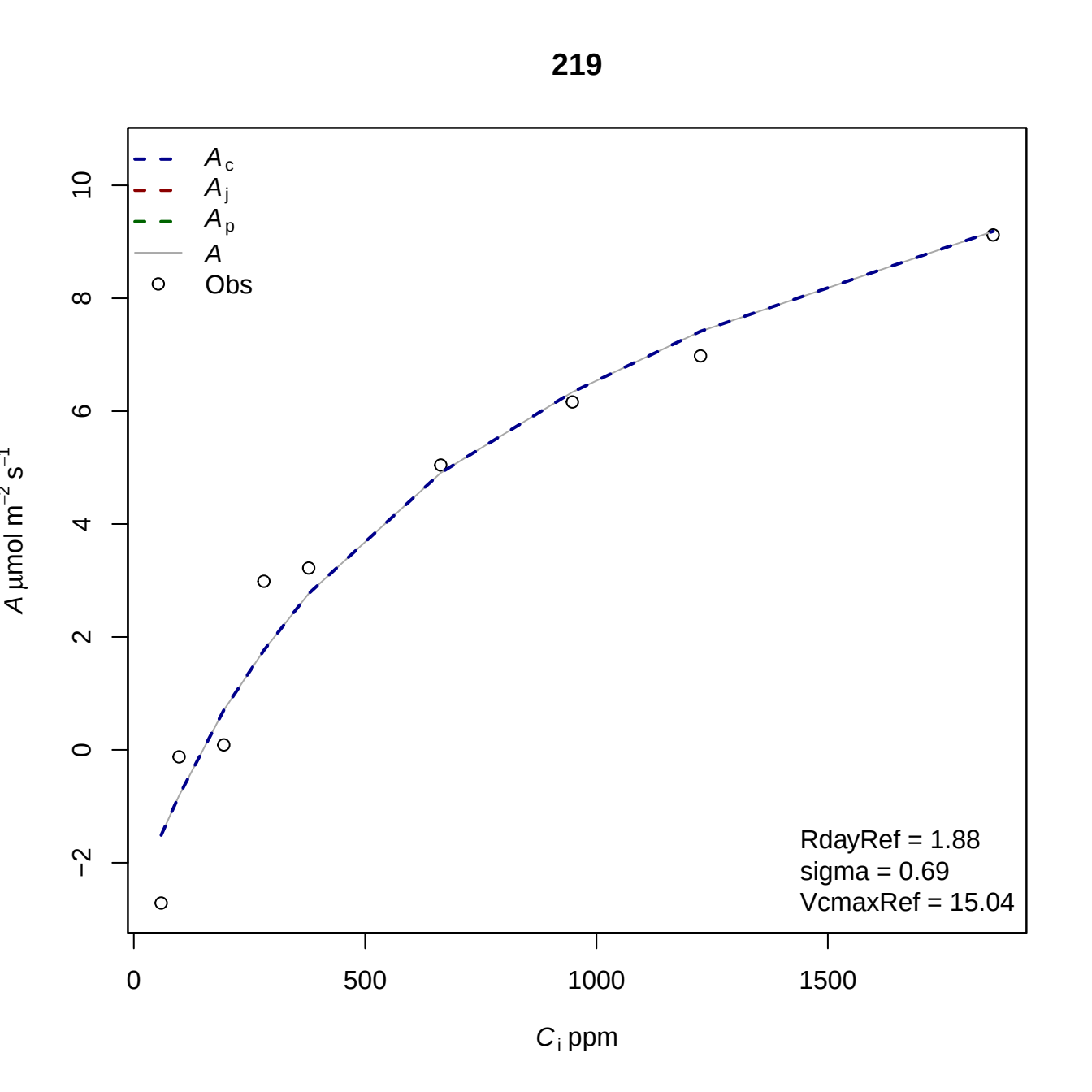

A_c
A_j
A_p
A
Obs
RdayRef = −5.6
sigma = 9.8
VcmaxRef = 90.3
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400
A µmol m^{-2} s^{-1}
C_i ppm

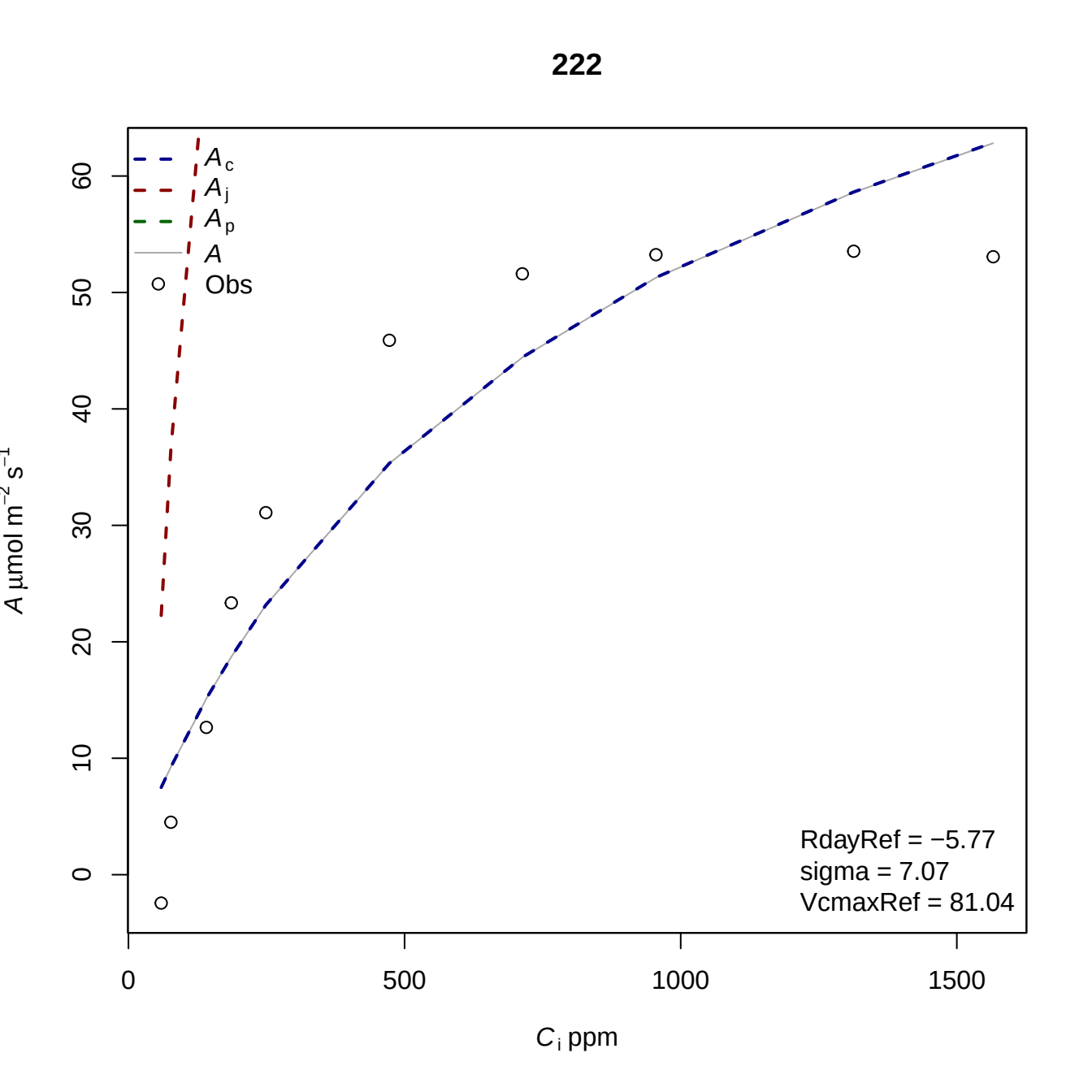

200
A_c
A_j
A_p
A
Obs
RdayRef = −3.43
sigma = 6.61
VcmaxRef = 87.21
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

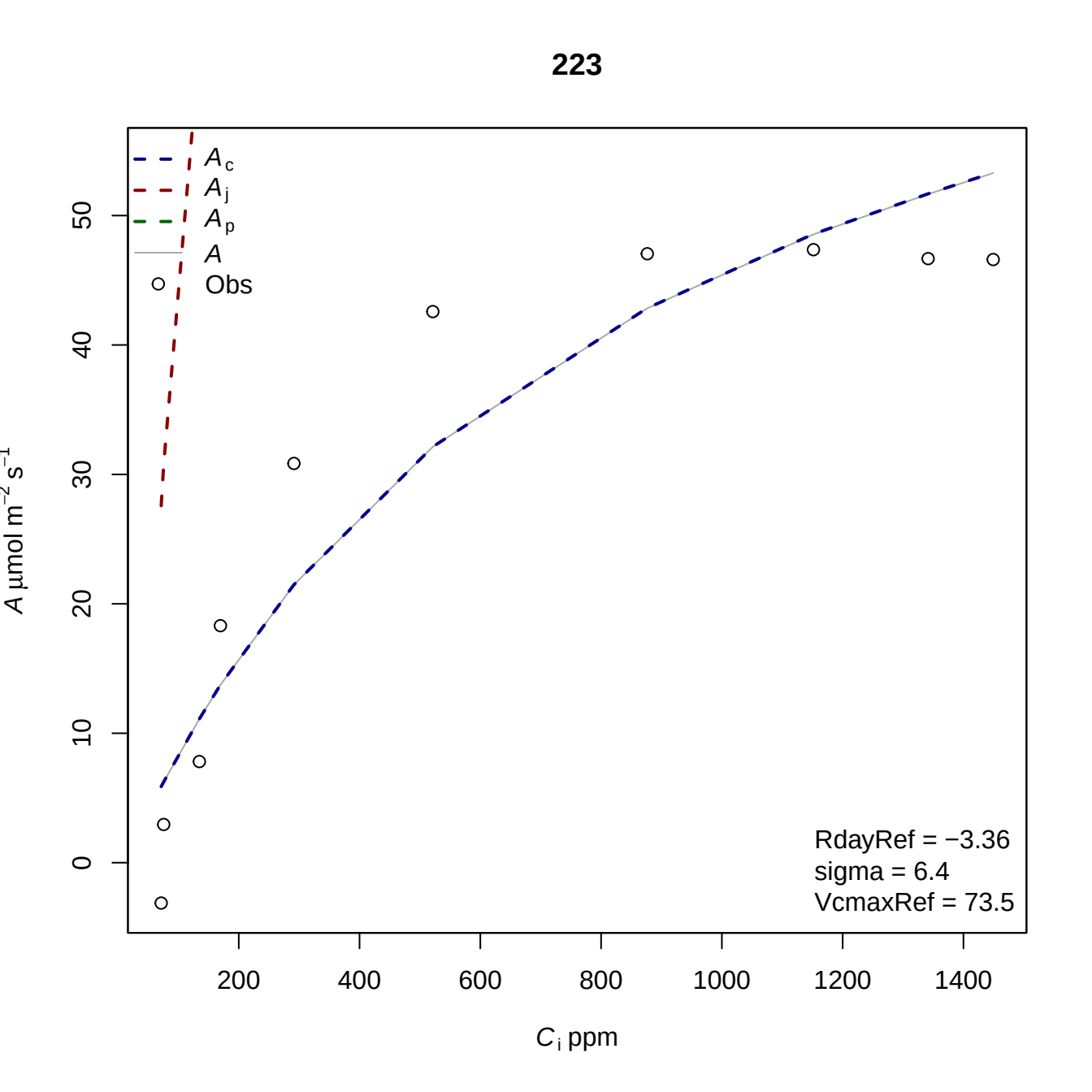

201
A_c
A_j
A_p
A
Obs
RdayRef = −4.13
sigma = 11.44
VcmaxRef = 90.39
0
20
40
60
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

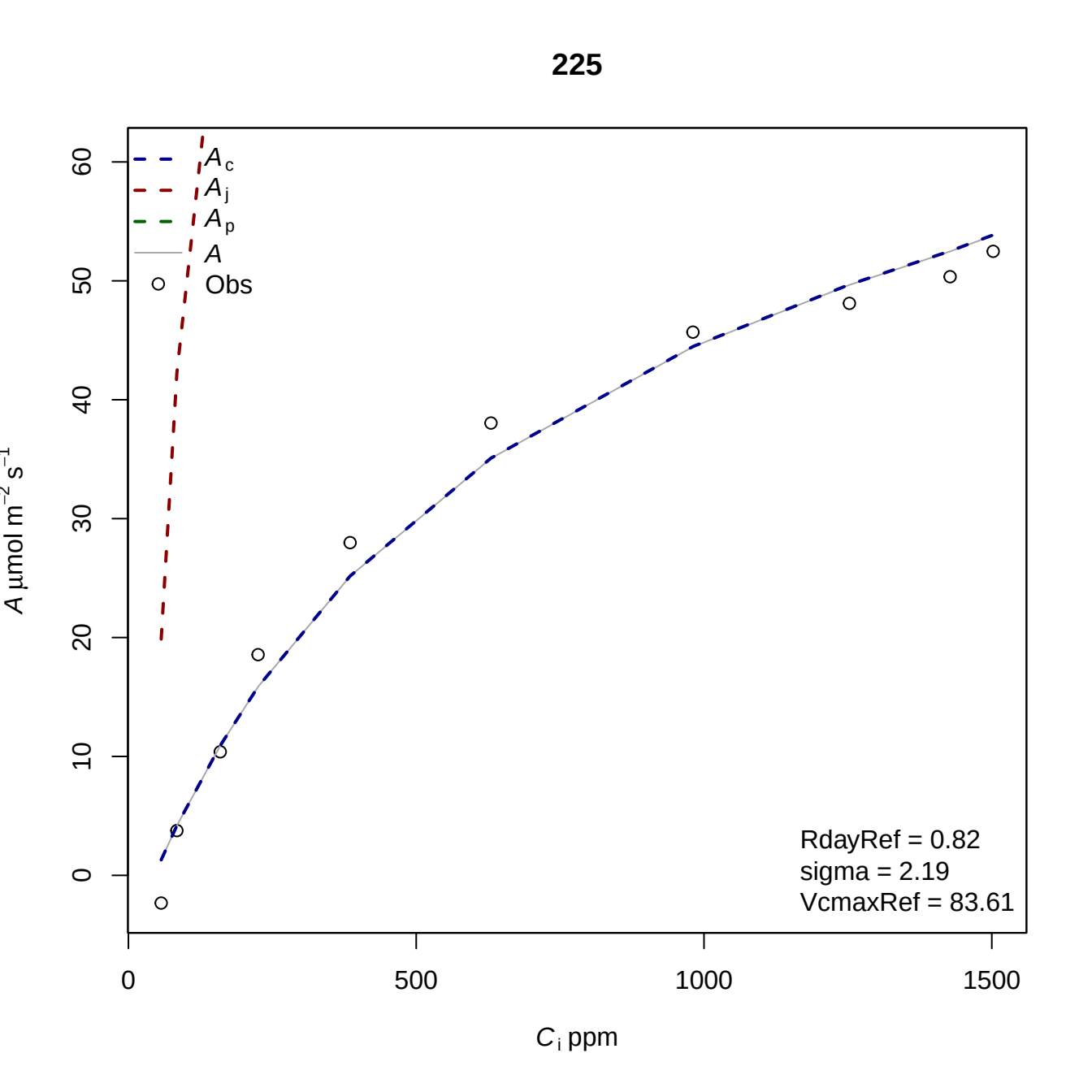

202
A_c
A_j
A_p
A
Obs
RdayRef = −4.19
sigma = 7.81
VcmaxRef = 78.89
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

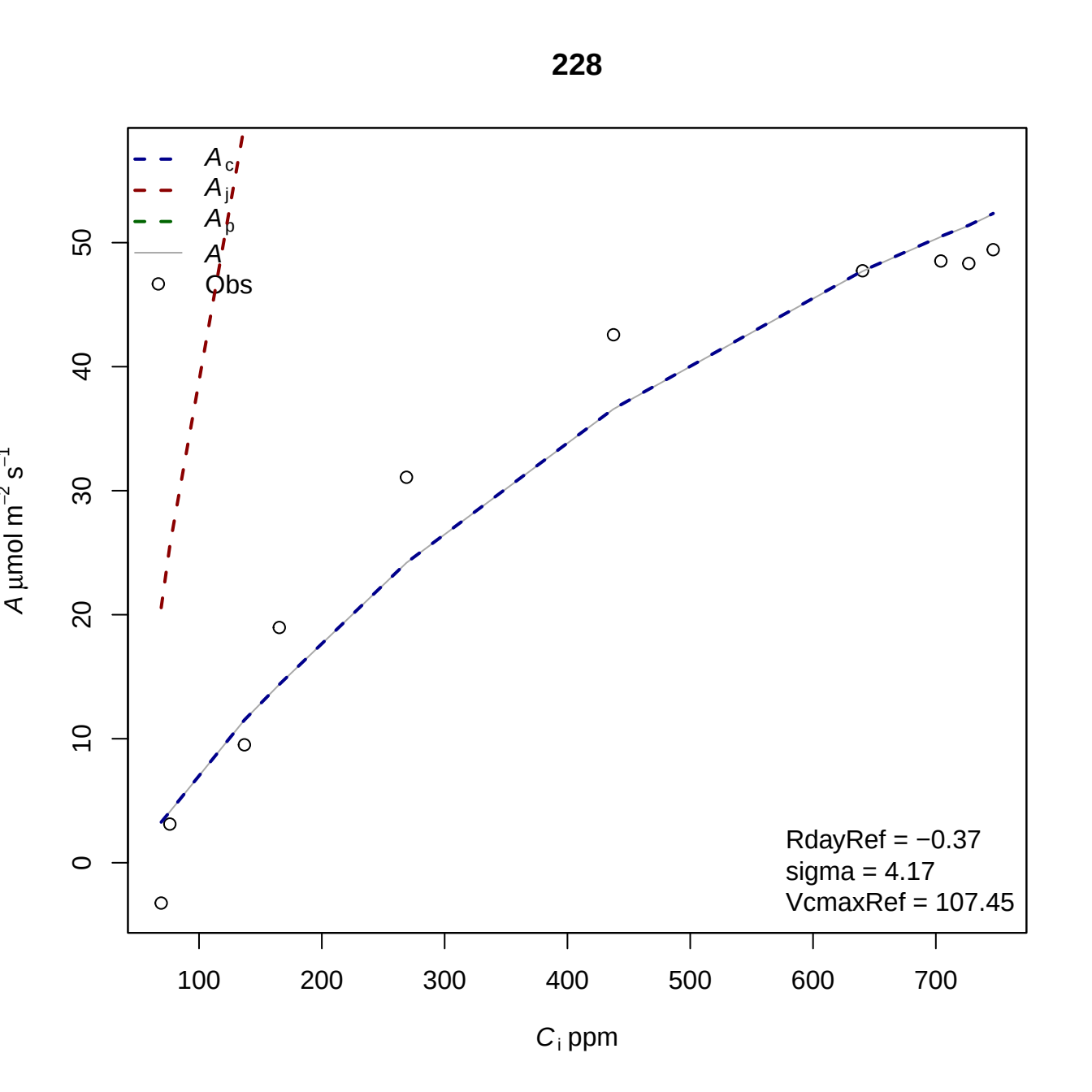

218
A_c
A_j
A_p
A
Obs
RdayRef = 1.82
sigma = 0.44
VcmaxRef = 14.43
A µmol m^{-2} s^{-1}
C_i ppm
−2
0
2
4
6
8
10
0
500
1000
1500

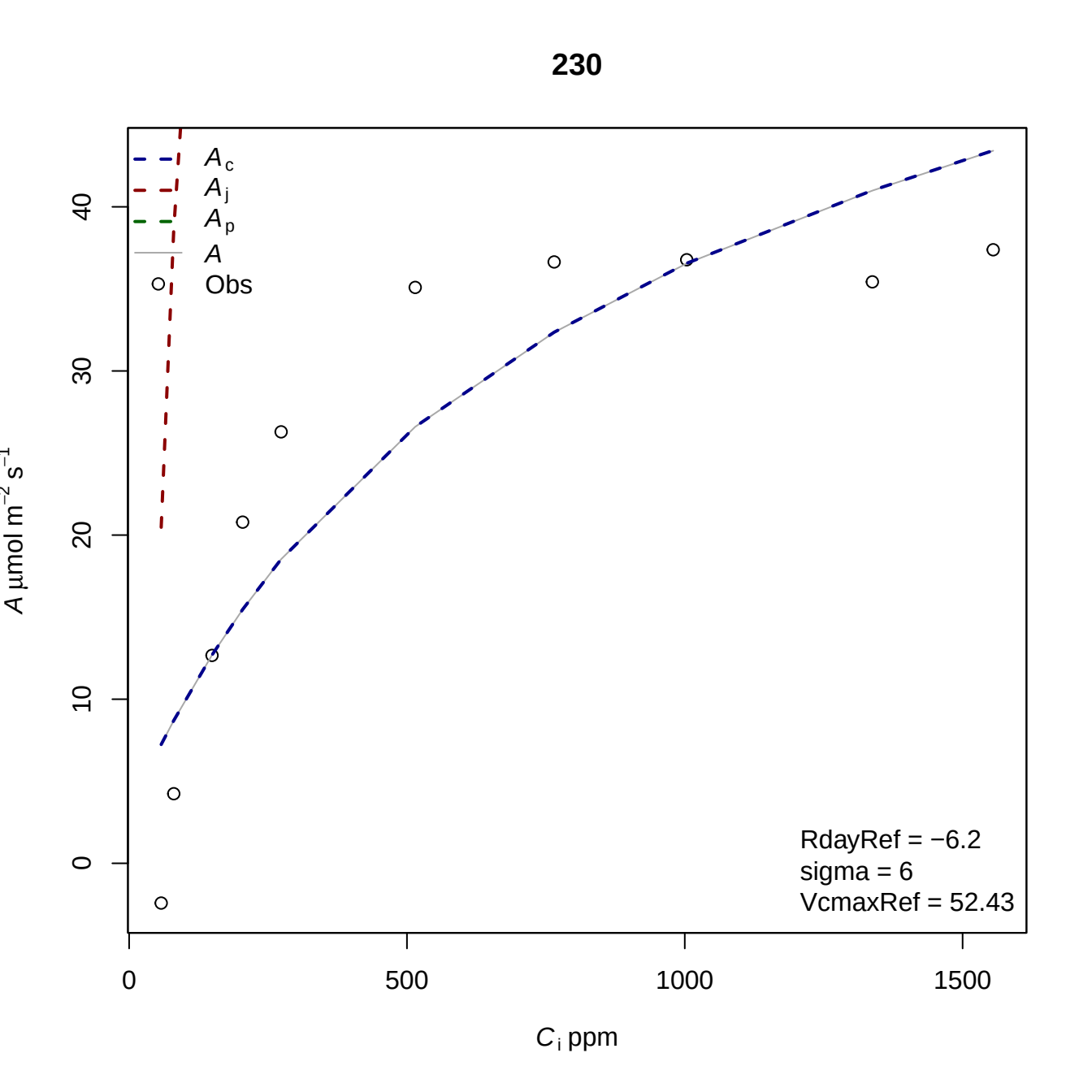

219
A_c
A_j
A_p
A
Obs
RdayRef = 1.88
sigma = 0.69
VcmaxRef = 15.04
A µmol m^{-2} s^{-1}
C_i ppm
−2
0
2
4
6
8
10
0
500
1000
1500

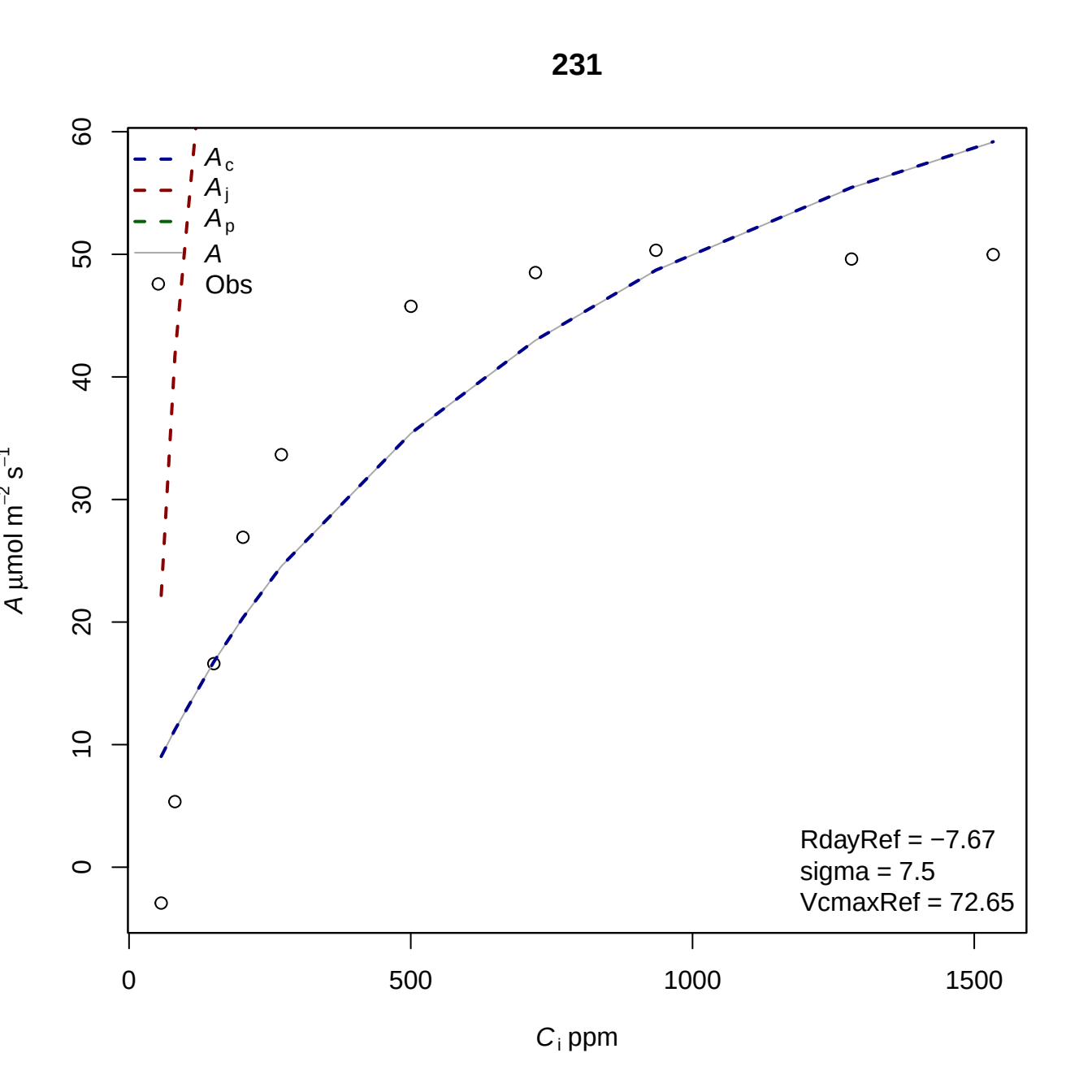

222
A_c
A_j
A_p
A
Obs
RdayRef = −5.77
sigma = 7.07
VcmaxRef = 81.04
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

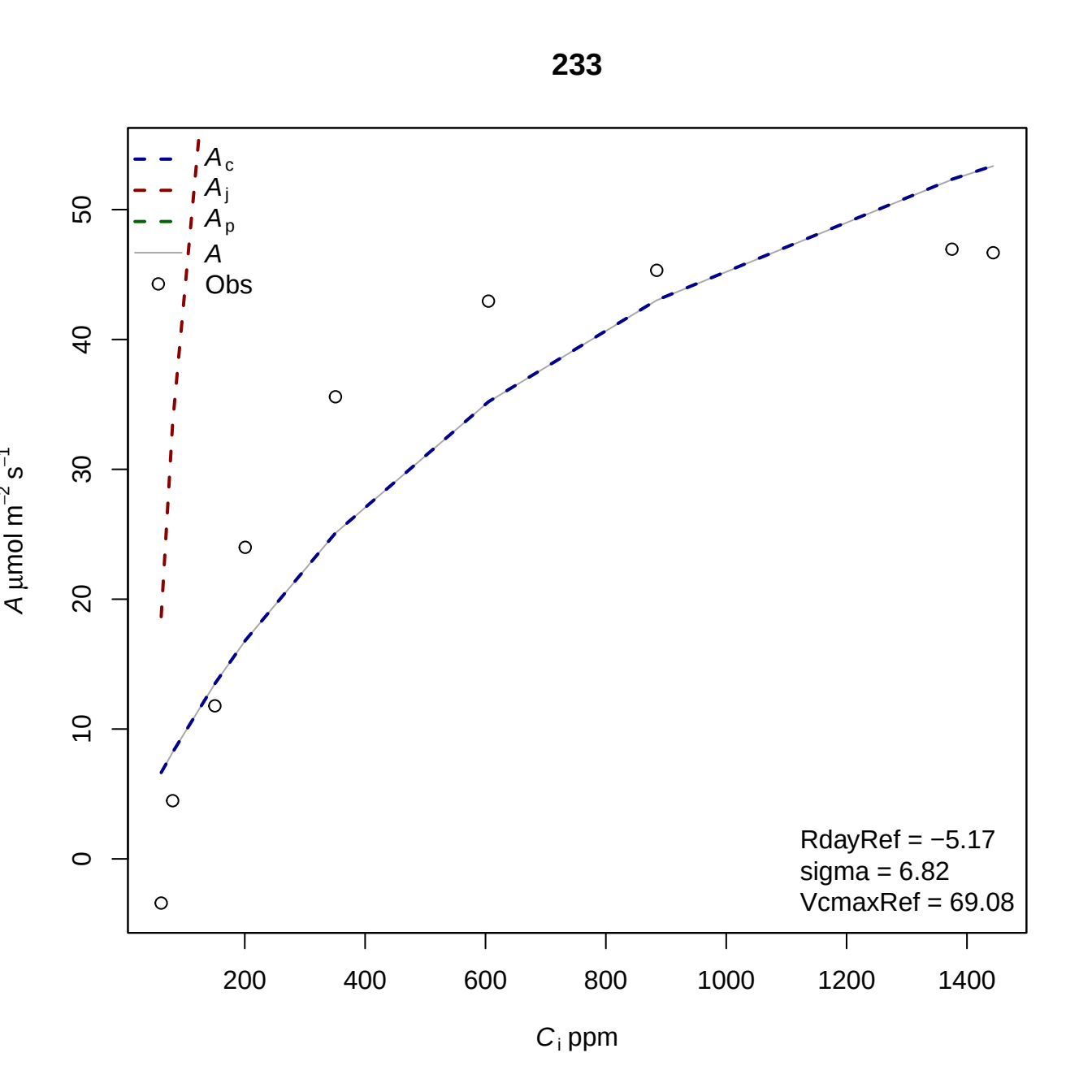

223
A_c
A_j
A_p
A
Obs
RdayRef = −3.36
sigma = 6.4
VcmaxRef = 73.5
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

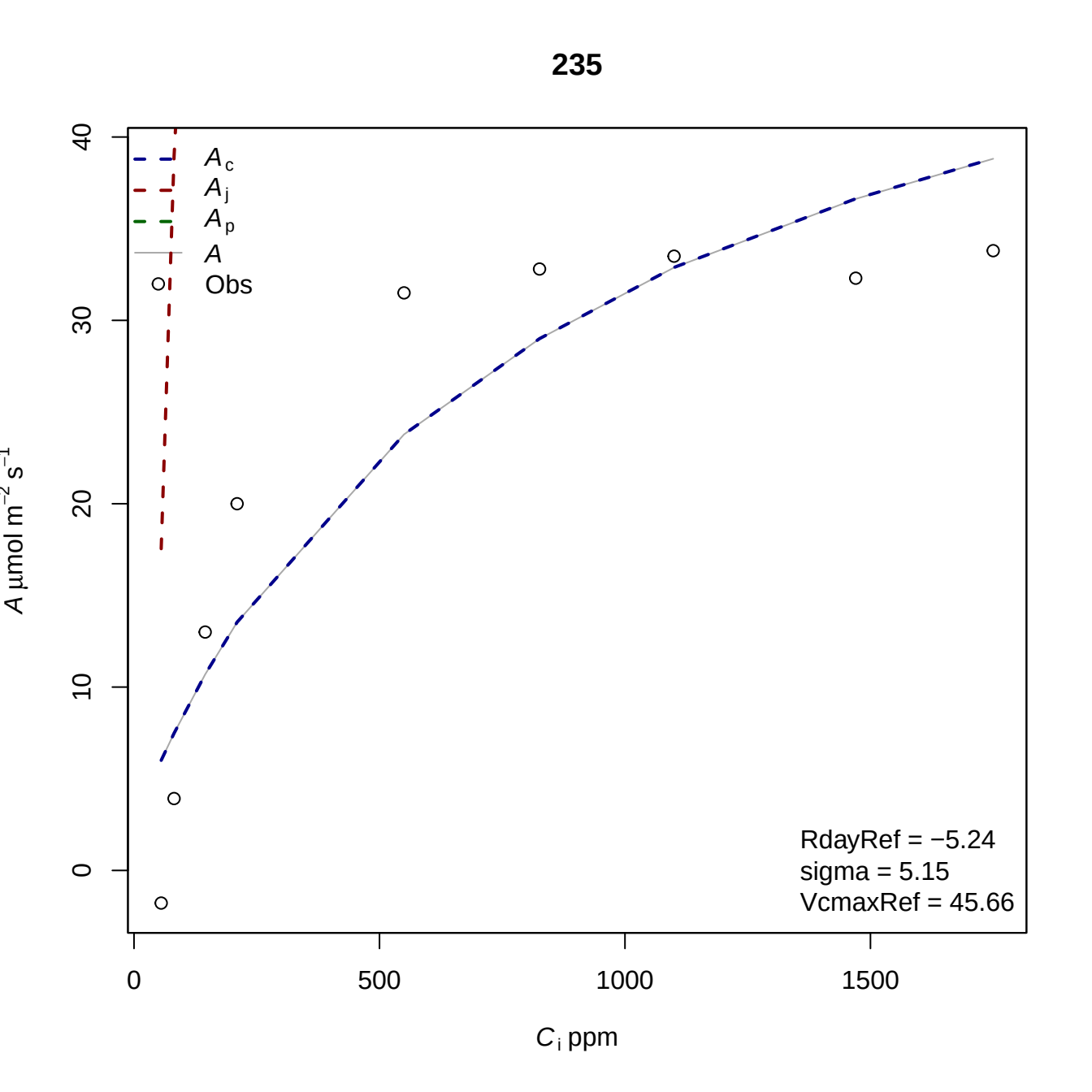

225
A_c
A_j
A_p
A
Obs
RdayRef = 0.82
sigma = 2.19
VcmaxRef = 83.61
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
0
500
1000
1500

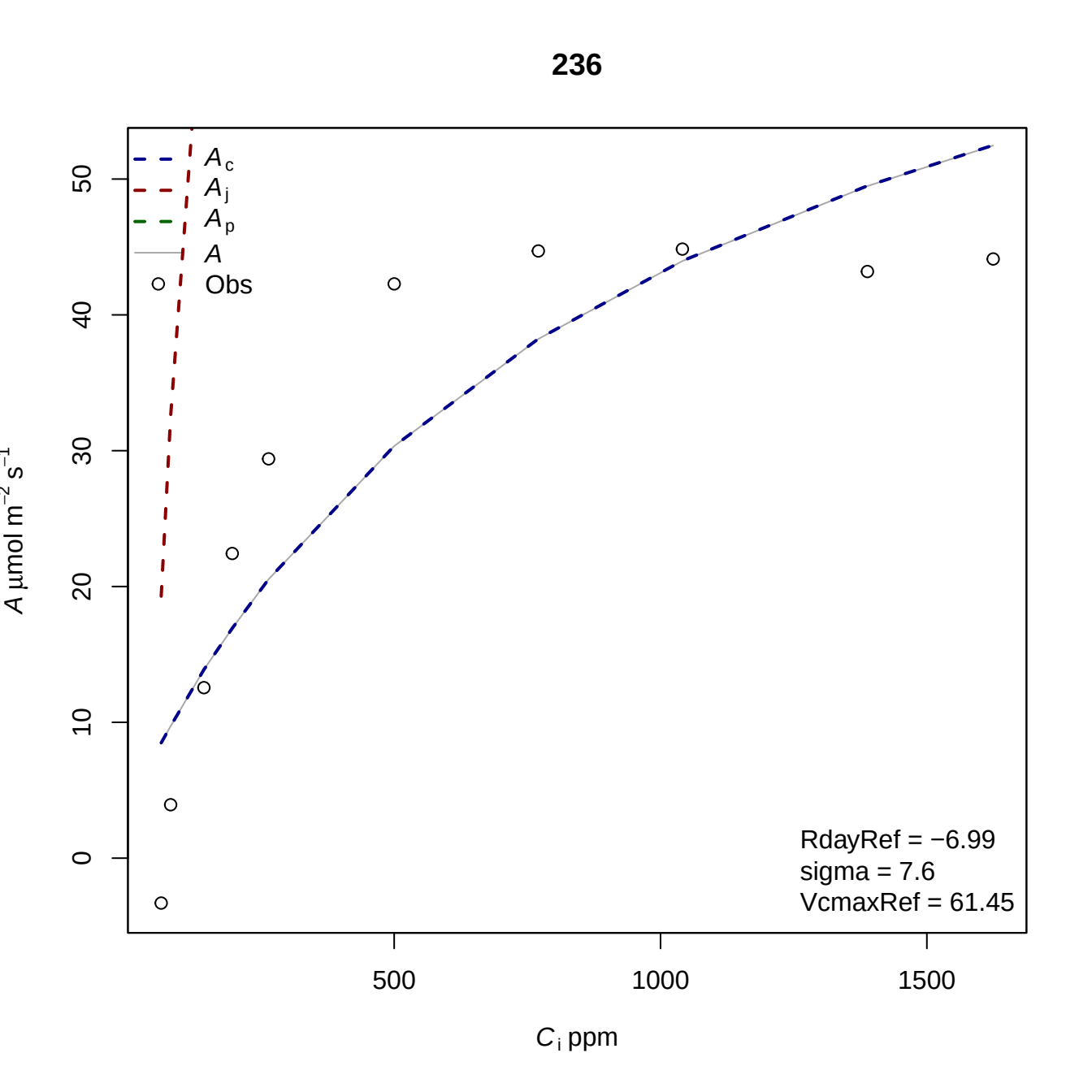

228
A_c
A_j
A_p
A
Obs
RdayRef = −0.37
sigma = 4.17
VcmaxRef = 107.45
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600
700

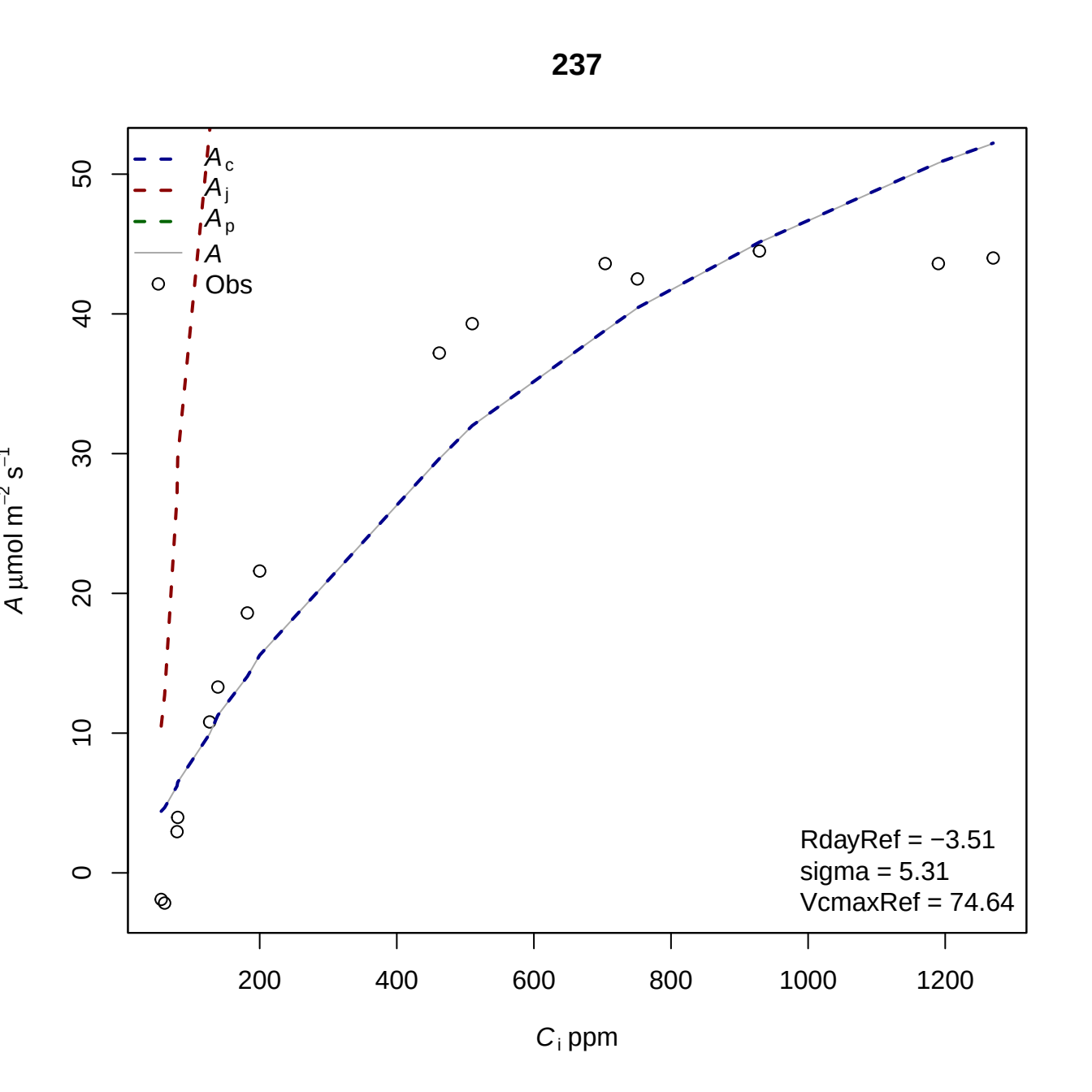

230
A_c
A_j
A_p
A
Obs
RdayRef = −6.2
sigma = 6
VcmaxRef = 52.43
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

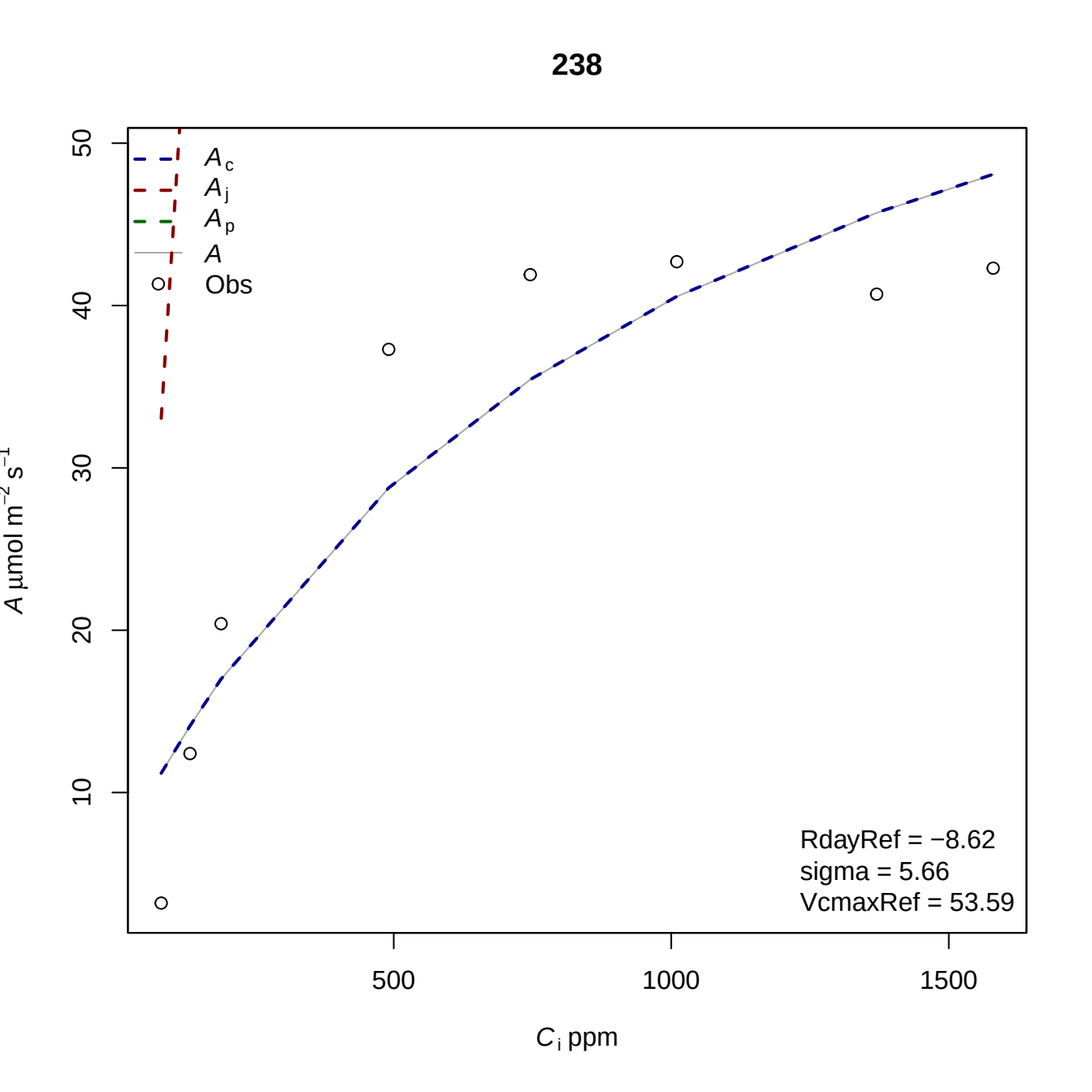

231
A_c
A_j
A_p
A
Obs
RdayRef = −7.67
sigma = 7.5
VcmaxRef = 72.65
0
10
20
30
40
50
60
0
500
1000
1500
A µmol m^{-2} s^{-1}
C_i ppm

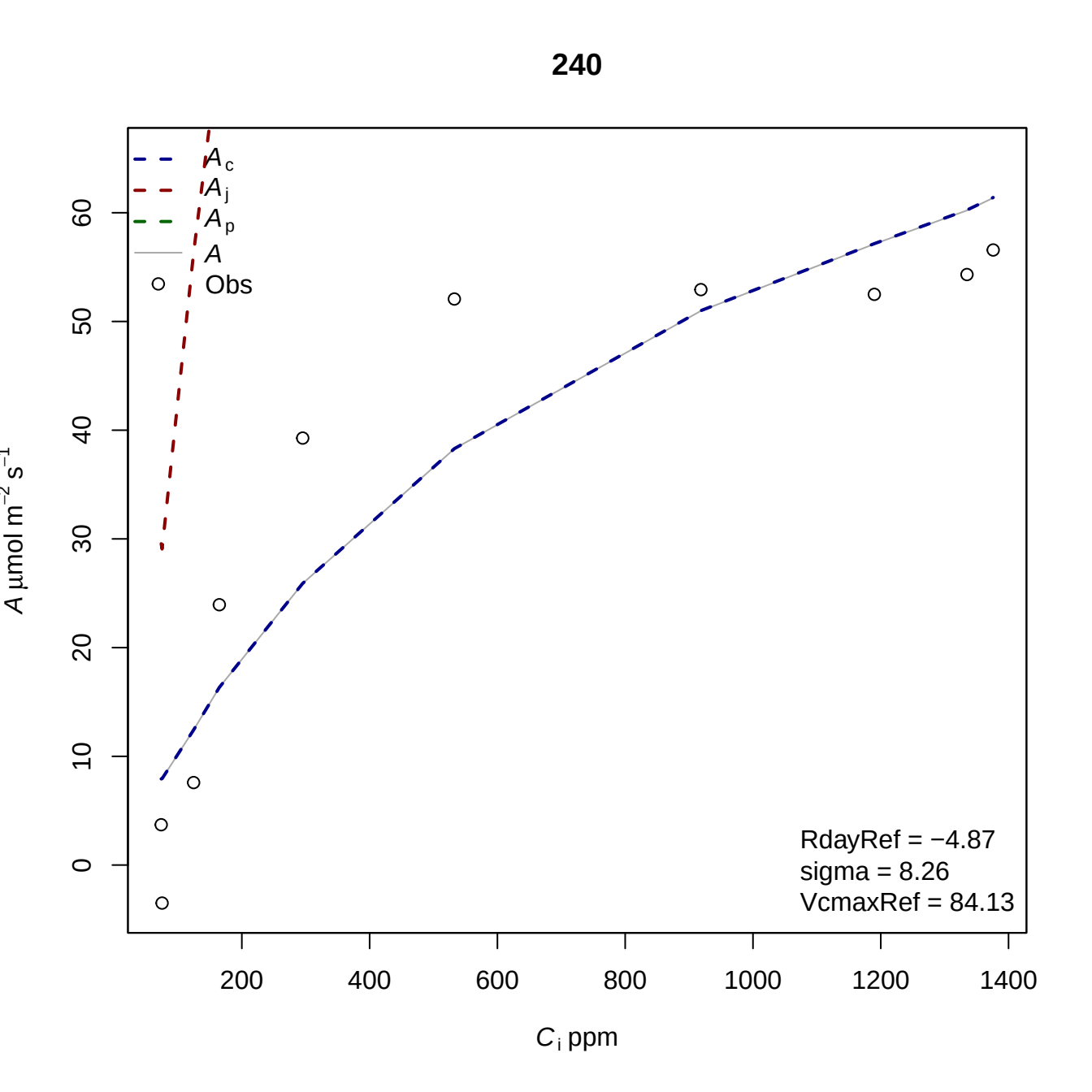

233
A_c
A_j
A_p
A
Obs
RdayRef = −5.17
sigma = 6.82
VcmaxRef = 69.08
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400

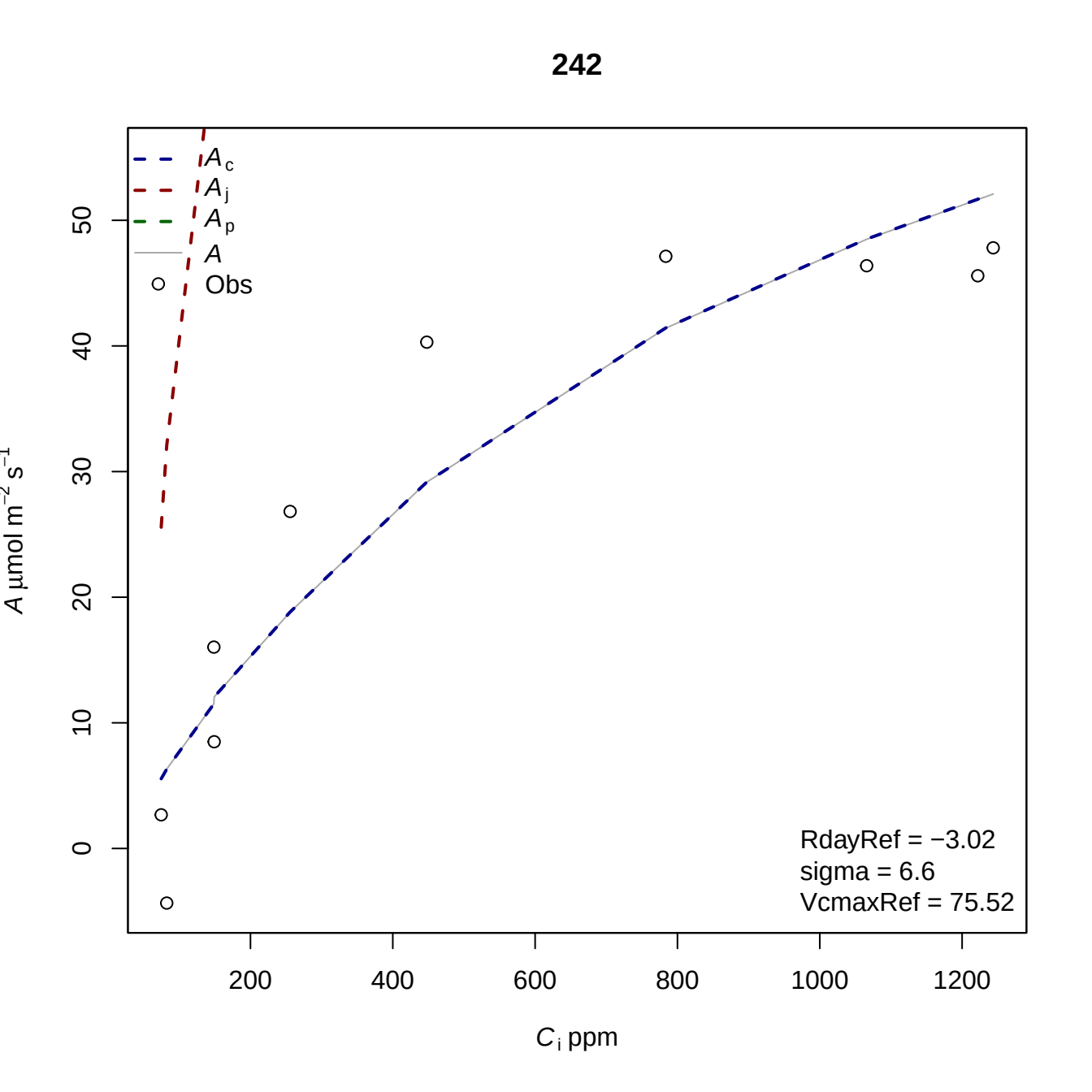

235
A_c
A_j
A_p
A
Obs
RdayRef = −5.24
sigma = 5.15
VcmaxRef = 45.66
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
0
500
1000
1500

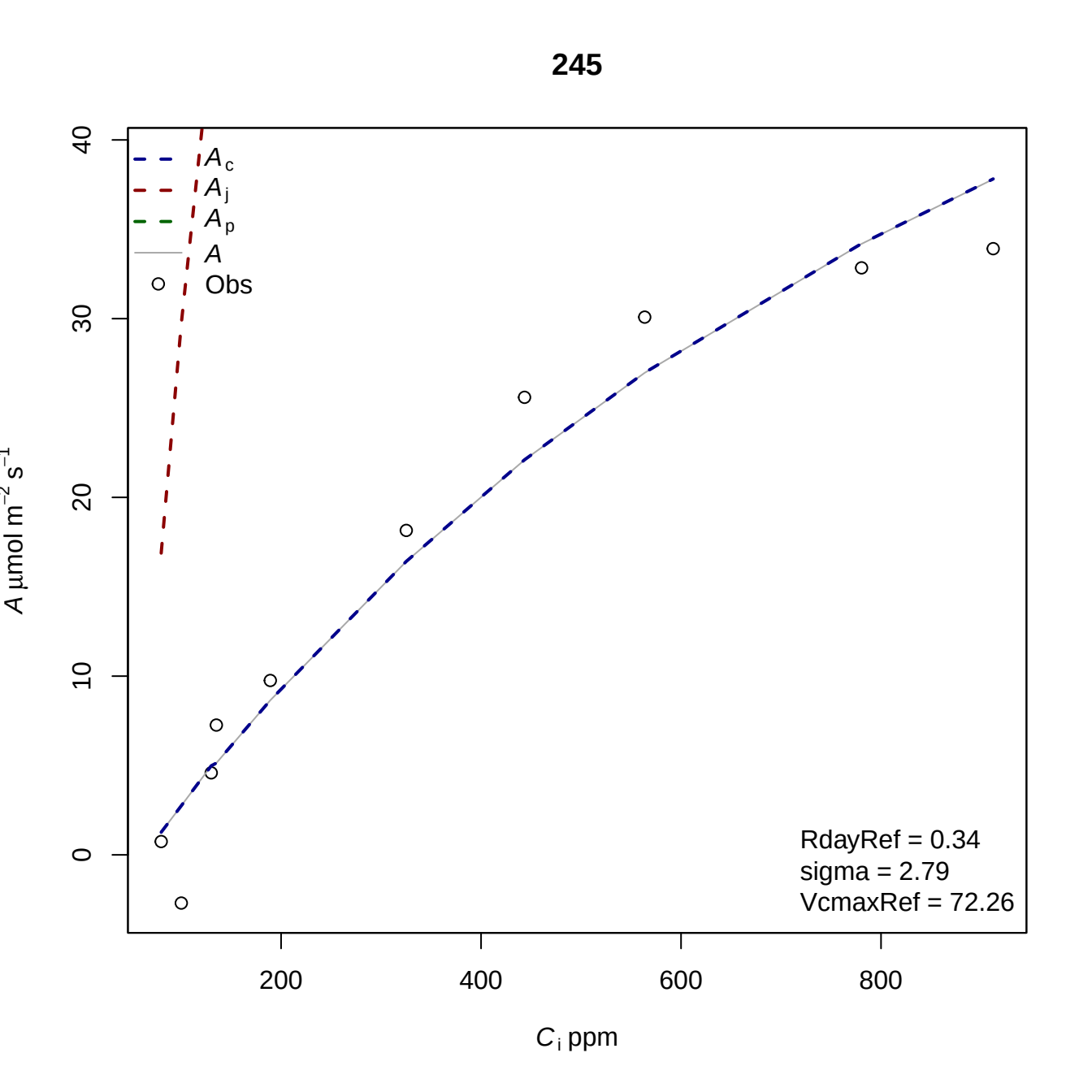

236
A_c
A_j
A_p
A
Obs
RdayRef = −6.99
sigma = 7.6
VcmaxRef = 61.45
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
500
1000
1500

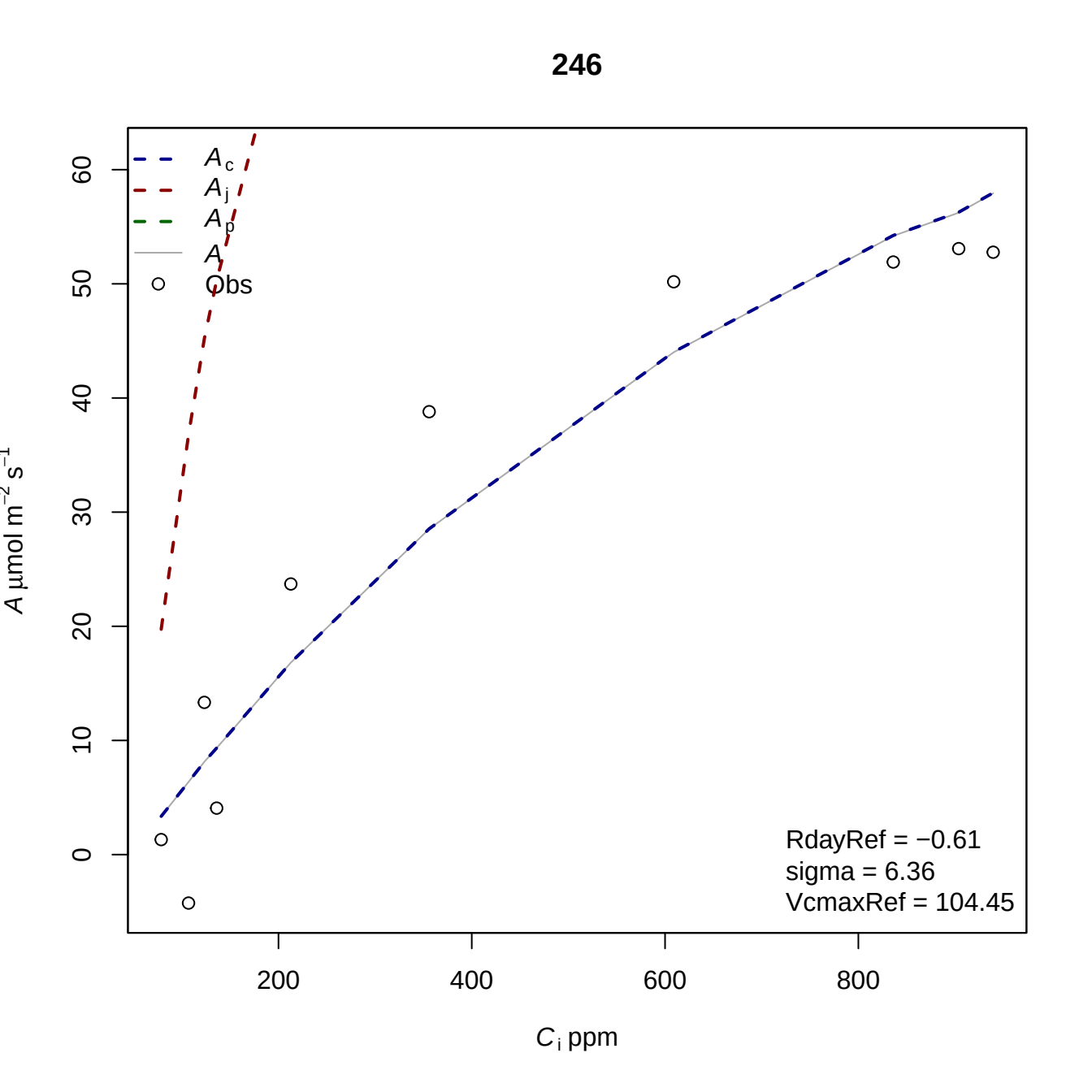

237
A_c
A_j
A_p
A
Obs
RdayRef = −3.51
sigma = 5.31
VcmaxRef = 74.64
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

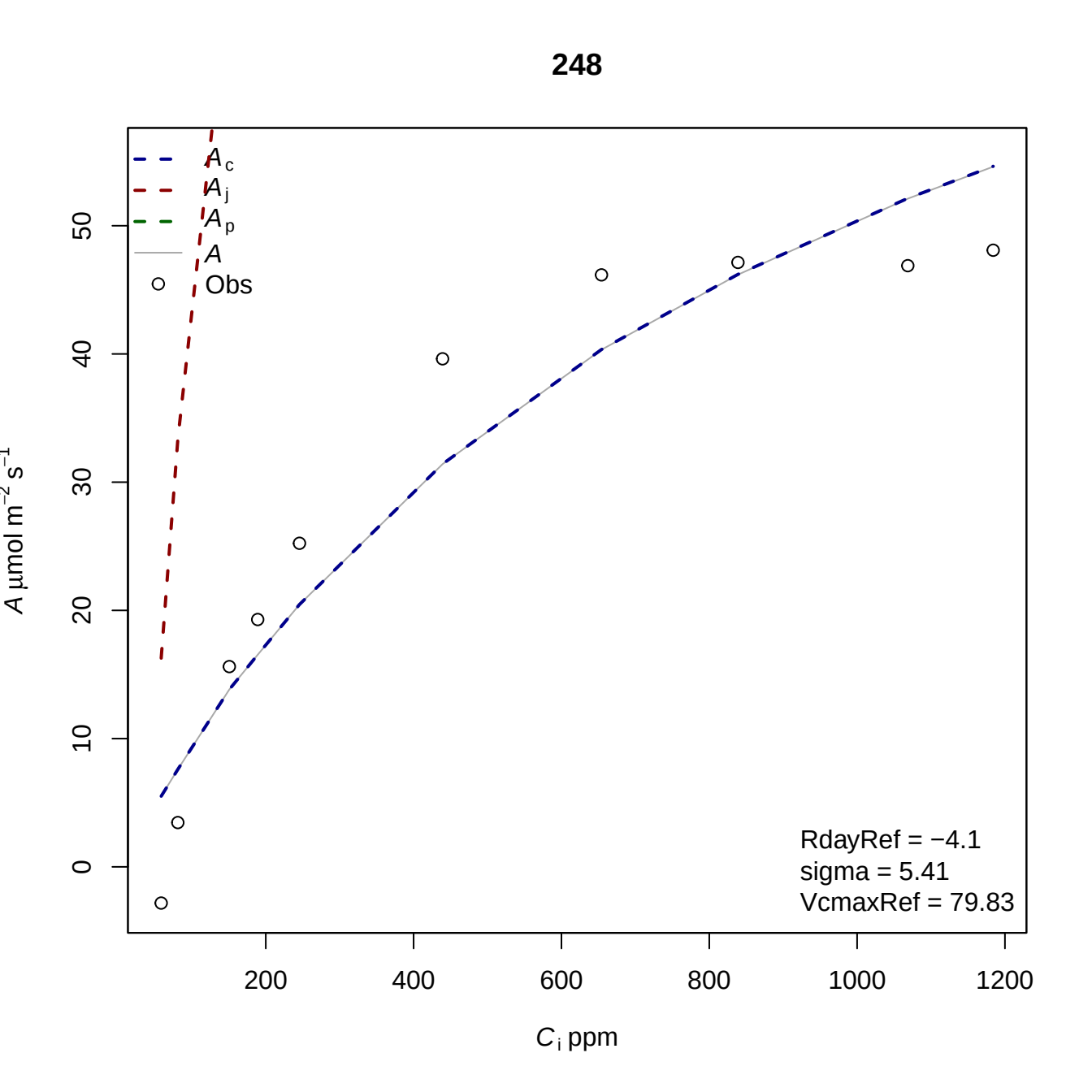

238
A_c
A_j
A_p
A
Obs
RdayRef = −8.62
sigma = 5.66
VcmaxRef = 53.59
A µmol m^{-2} s^{-1}
C_i ppm
10
20
30
40
50
500
1000
1500

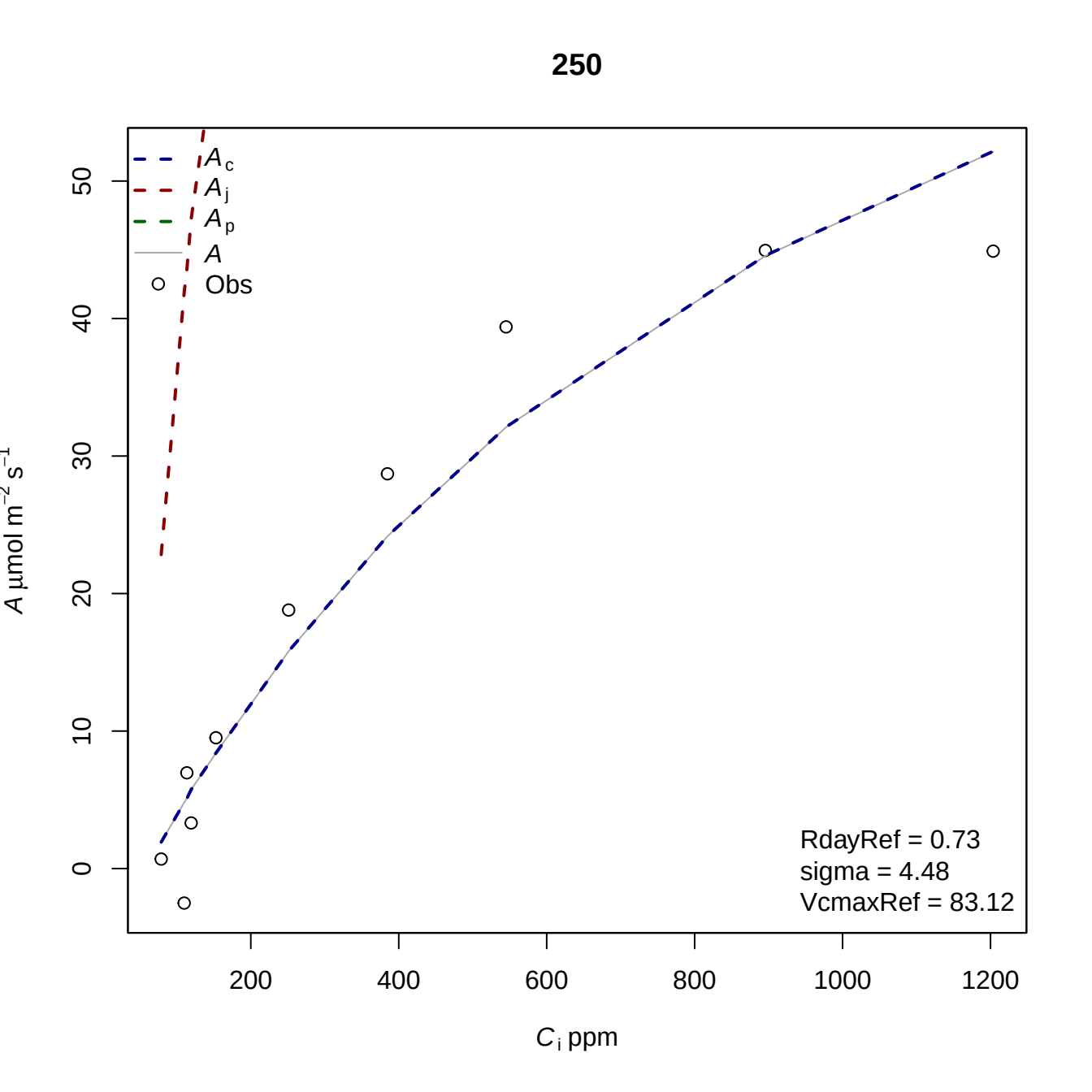

240
A_c
A_j
A_p
A
Obs
RdayRef = −4.87
sigma = 8.26
VcmaxRef = 84.13
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
60
200
400
600
800
1000
1200
1400

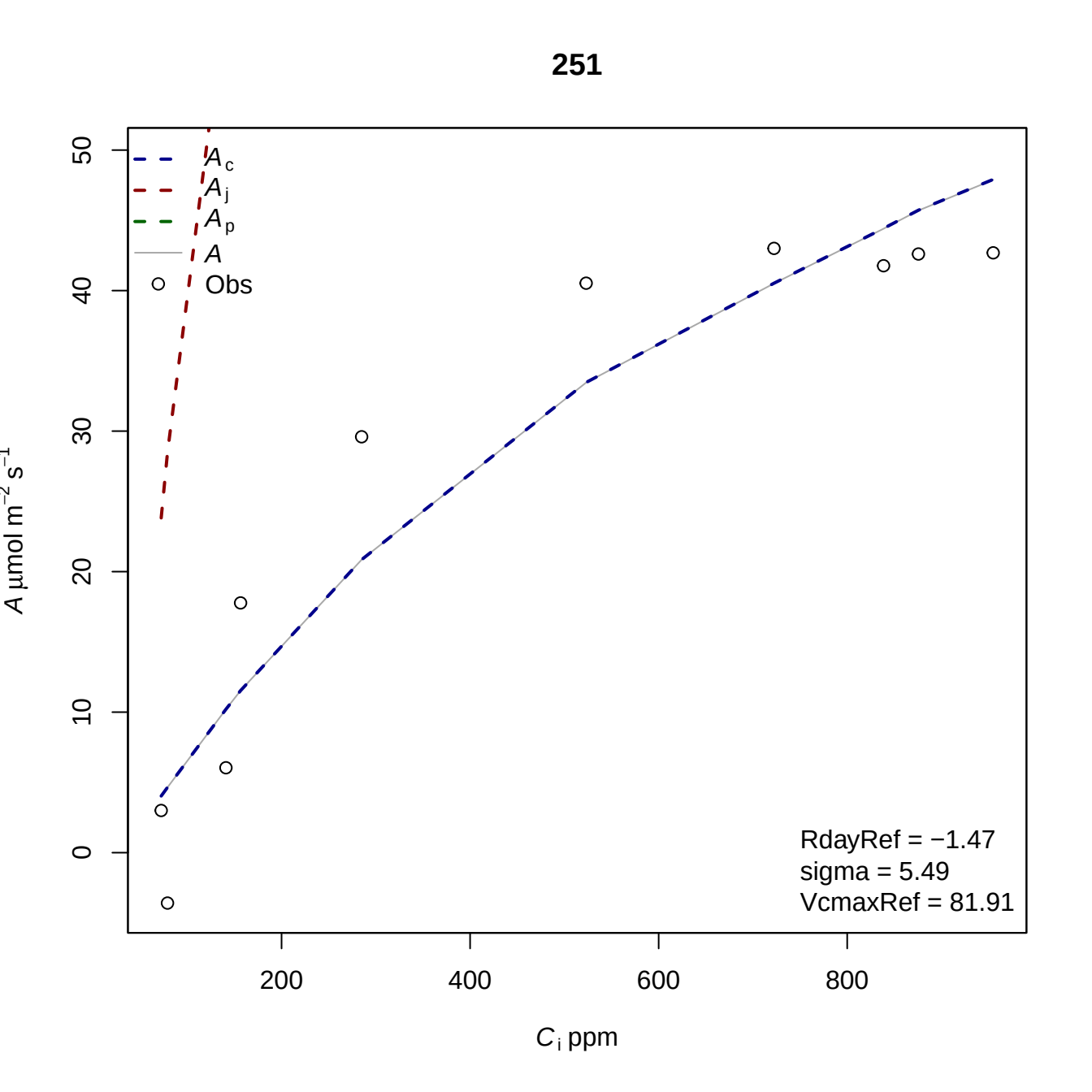

242
A_c
A_j
A_p
A
Obs
RdayRef = −3.02
sigma = 6.6
VcmaxRef = 75.52
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

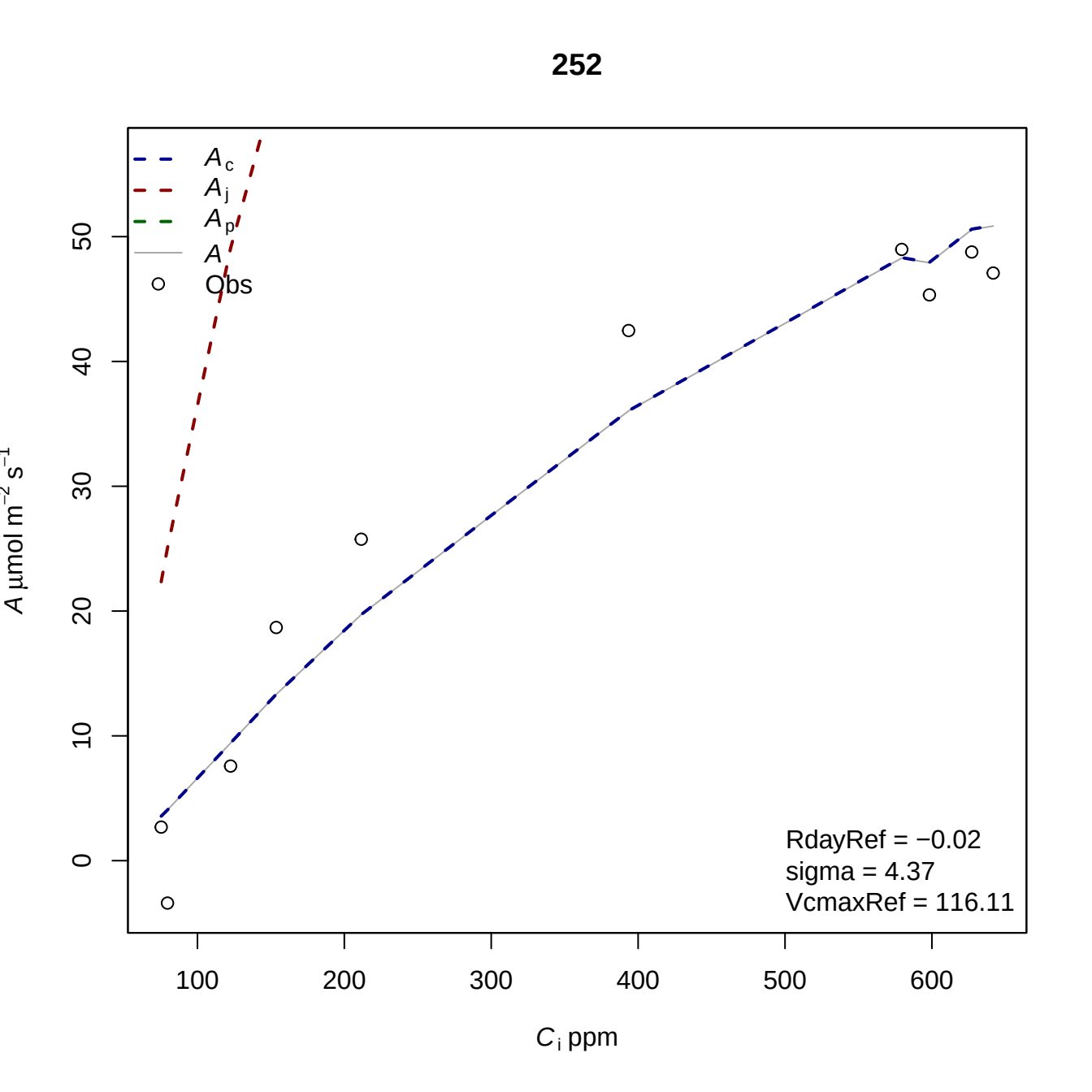

245
A_c
A_j
A_p
A
Obs
RdayRef = 0.34
sigma = 2.79
VcmaxRef = 72.26
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800

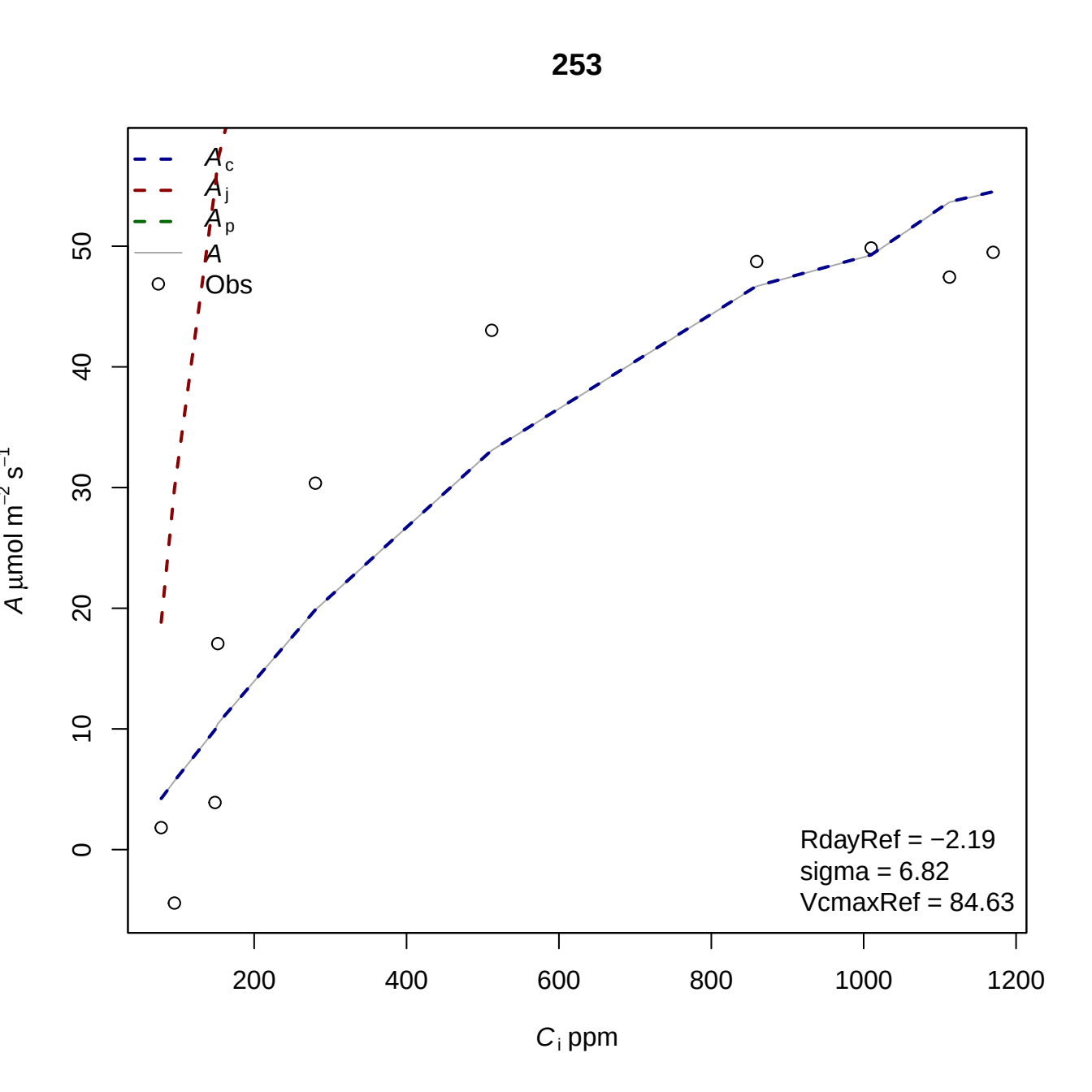

246
A_c
A_j
A_p
A
Obs
RdayRef = −0.61
sigma = 6.36
VcmaxRef = 104.45
0
10
20
30
40
50
60
200
400
600
800
A µmol m^{-2} s^{-1}
C_i ppm

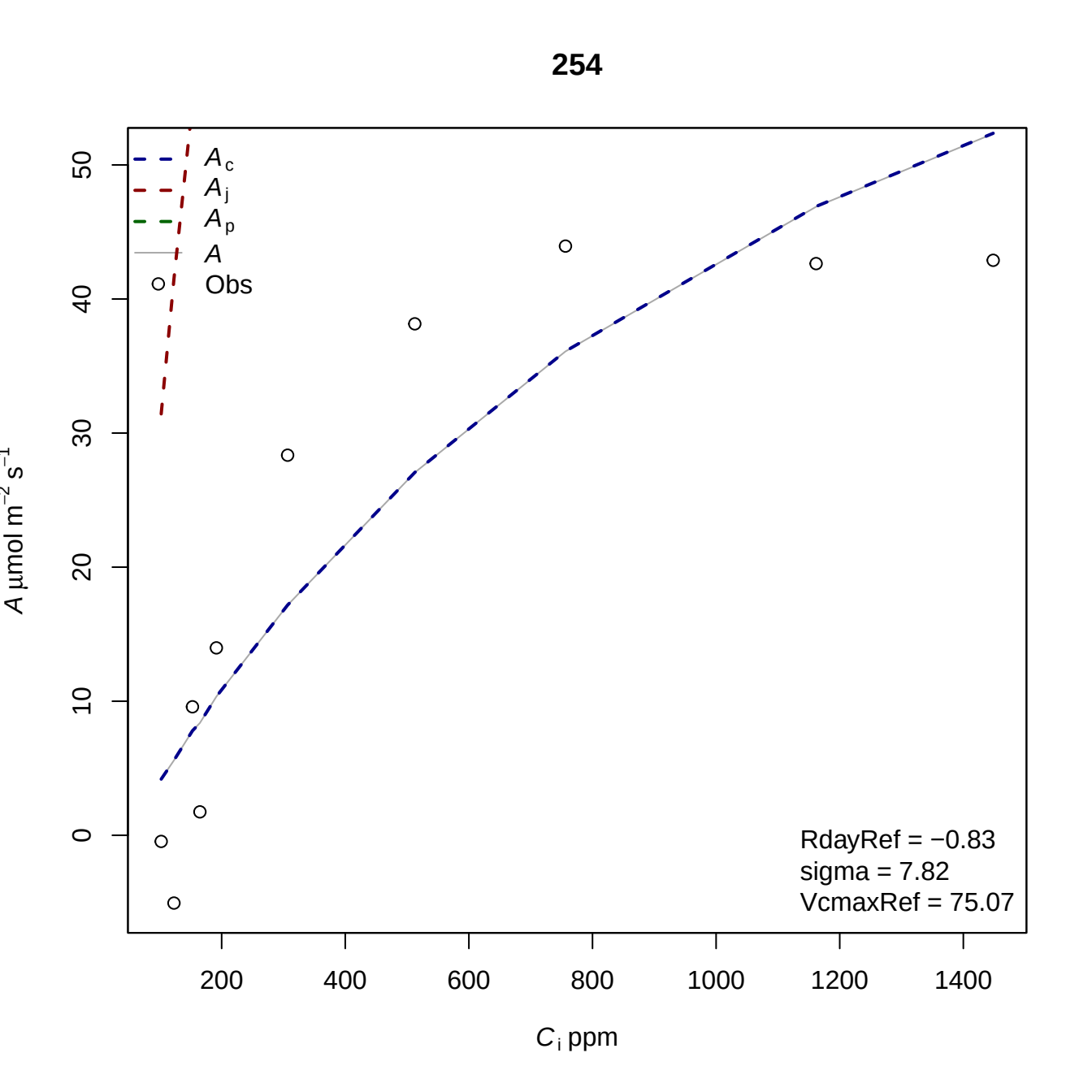

248
A_c
A_j
A_p
A
Obs
RdayRef = −4.1
sigma = 5.41
VcmaxRef = 79.83
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

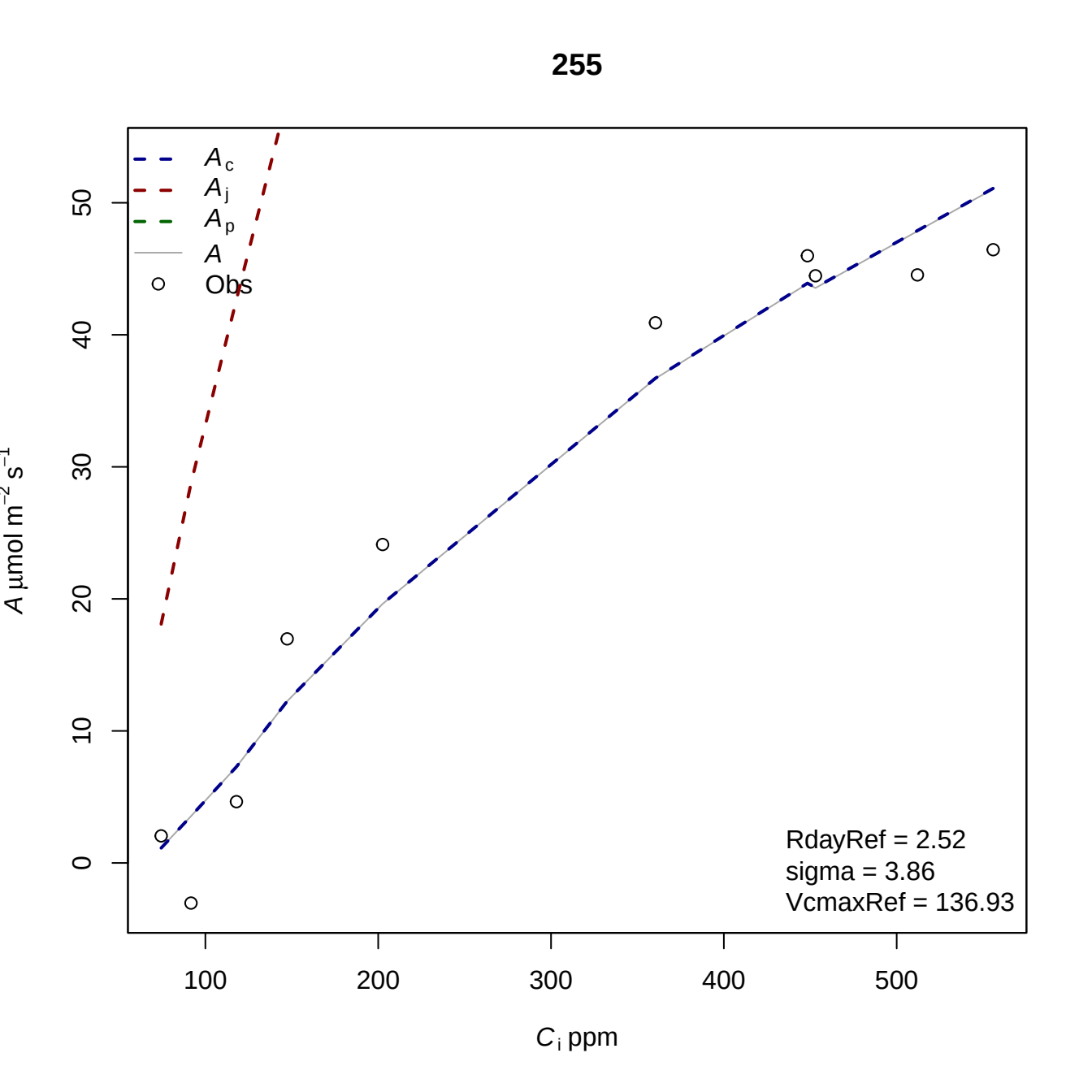

250
A_c
A_j
A_p
A
Obs
RdayRef = 0.73
sigma = 4.48
VcmaxRef = 83.12
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

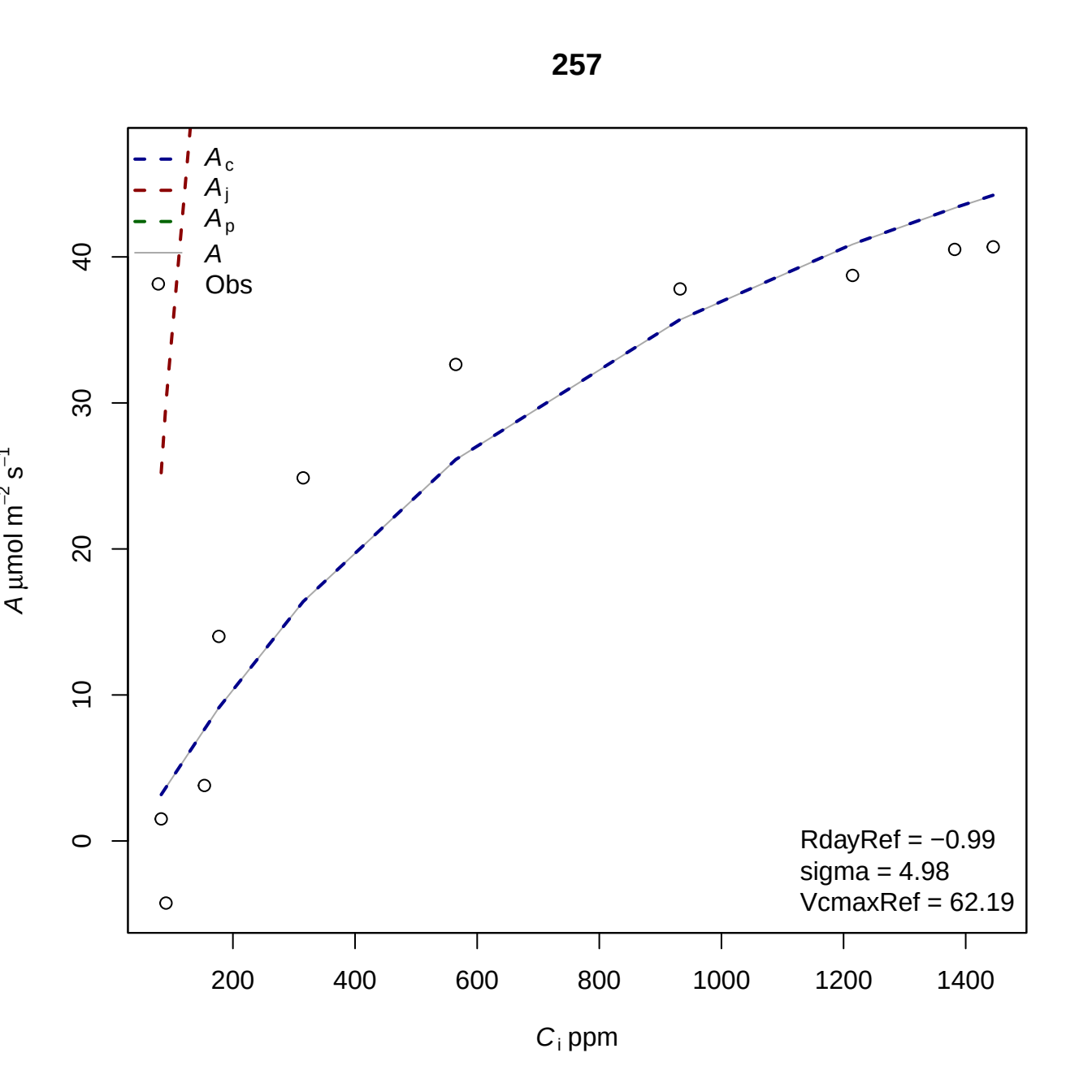

251
A_c
A_j
A_p
A
Obs
RdayRef = −1.47
sigma = 5.49
VcmaxRef = 81.91
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800

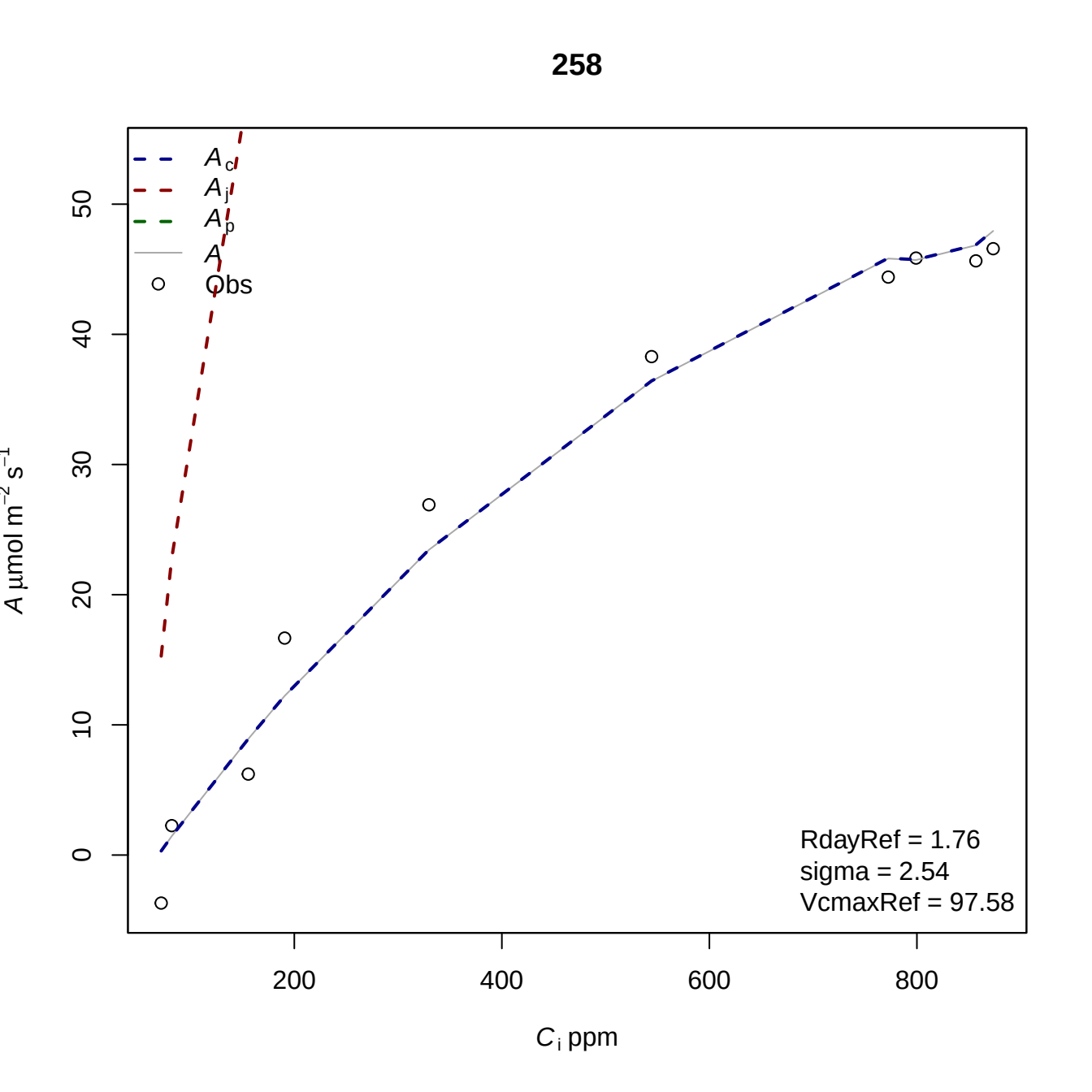

252
A_c
A_j
A_p
A
Obs
RdayRef = −0.02
sigma = 4.37
VcmaxRef = 116.11
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500
600

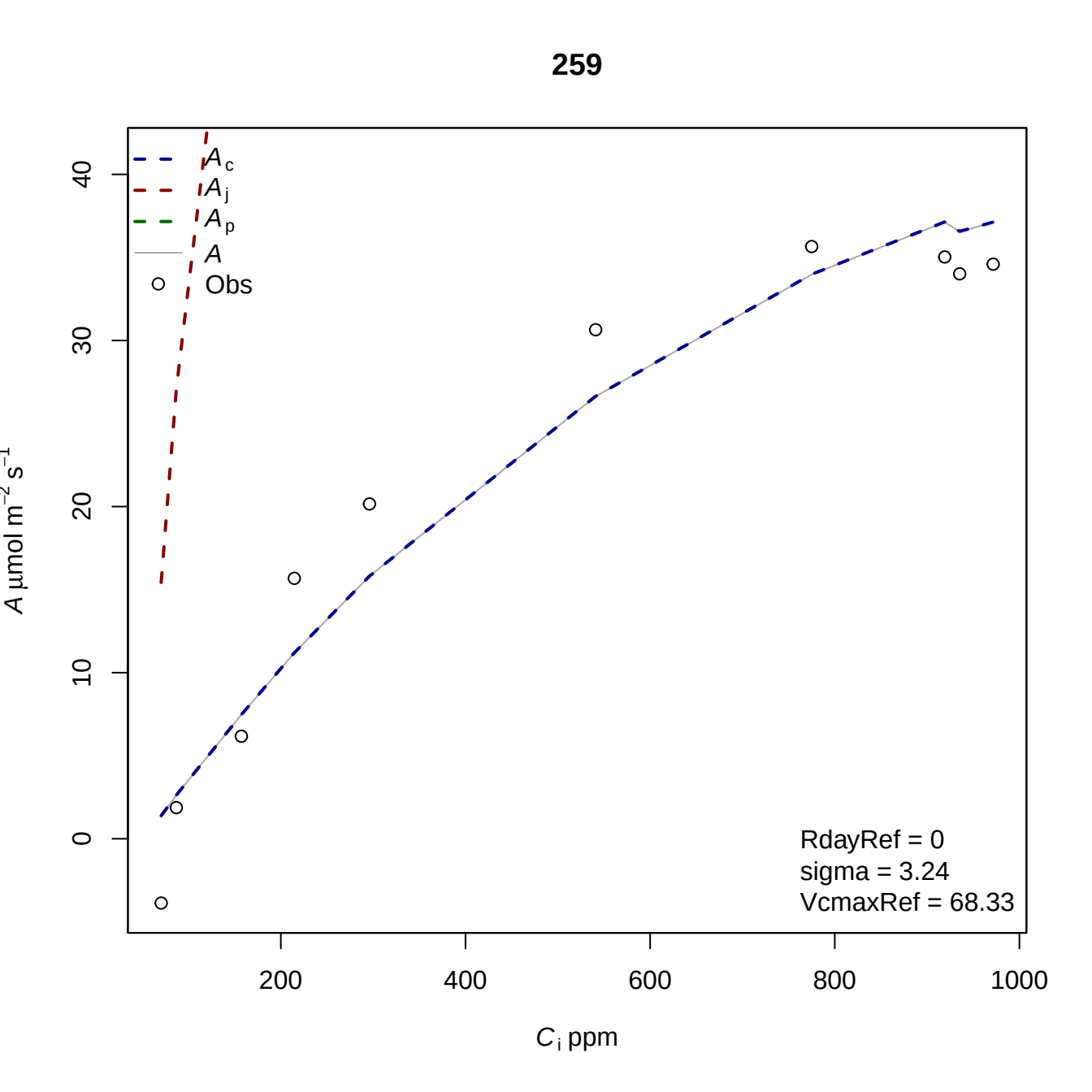

253
A_c
A_j
A_p
A
Obs
RdayRef = −2.19
sigma = 6.82
VcmaxRef = 84.63
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200

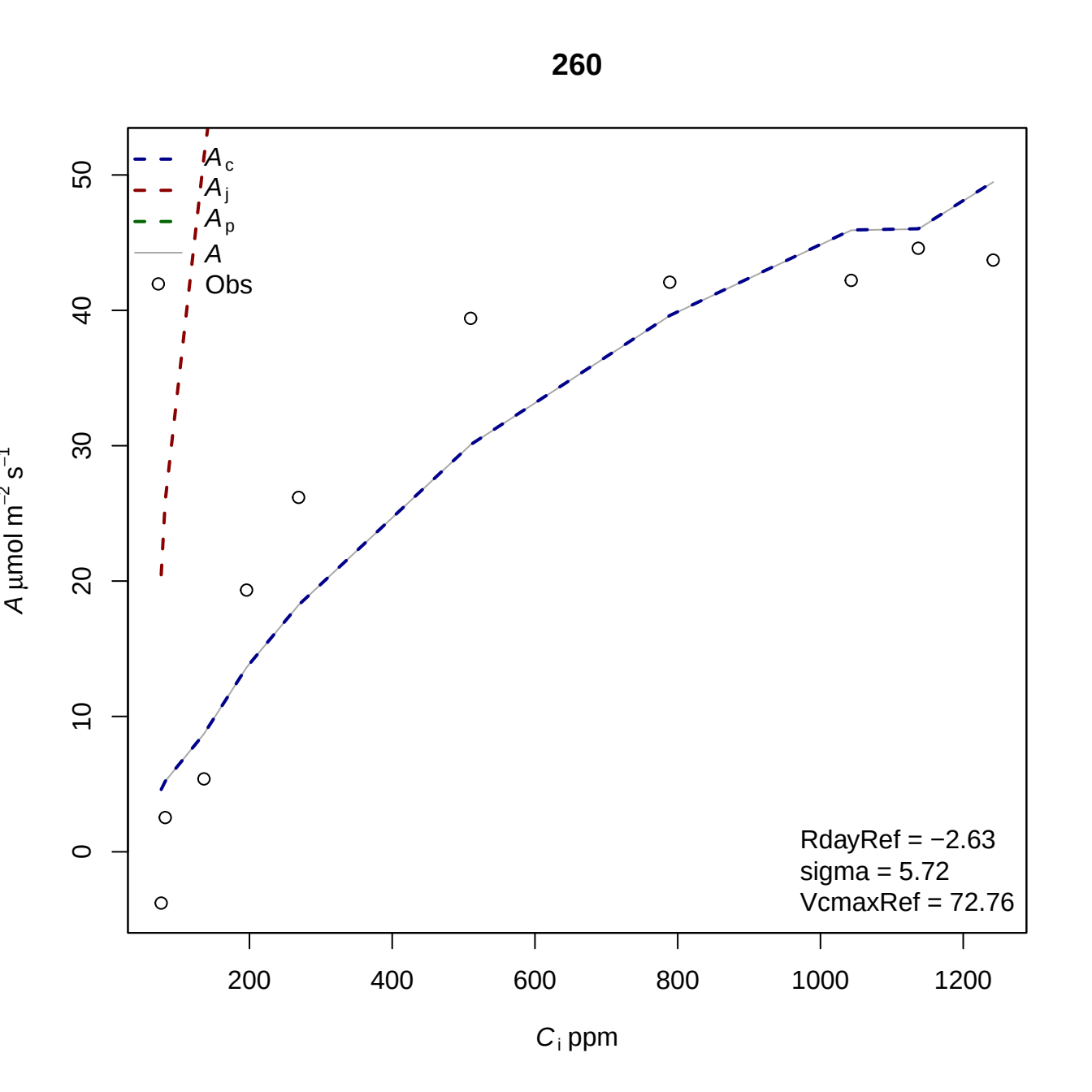

254
A_c
A_j
A_p
A
Obs
RdayRef = −0.83
sigma = 7.82
VcmaxRef = 75.07
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200
1400


255
A_c
A_j
A_p
A
Obs
RdayRef = 2.52
sigma = 3.86
VcmaxRef = 136.93
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
100
200
300
400
500


257
A_c
A_j
A_p
A
Obs
RdayRef = −0.99
sigma = 4.98
VcmaxRef = 62.19
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000
1200
1400


258
A_c
A_j
A_p
A
Obs
RdayRef = 1.76
sigma = 2.54
VcmaxRef = 97.58
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800


259
A_c
A_j
A_p
A
Obs
RdayRef = 0
sigma = 3.24
VcmaxRef = 68.33
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
200
400
600
800
1000


260
A_c
A_j
A_p
A
Obs
RdayRef = −2.63
sigma = 5.72
VcmaxRef = 72.76
A µmol m^{-2} s^{-1}
C_i ppm
0
10
20
30
40
50
200
400
600
800
1000
1200