

- \* Slow threshold variation
- \* Peaking time variation
- \* flow in source end cell variation.

10:10 am - started

No.	B.B , L2 , Pressure . flow	S.E cell
Time	401, 400, NOzzle = SDA,	
10:22 am	01 - SDD1 - Radial Scan - ST=0 - 699 $\mu$ torr - 5.6 $\mu$ s	
	02 - SDD2 - NOzzle	"
	03 - SDD3 - MidPoint	"
	04 - SDD1 - ST=0.5	
	05 - SDD2 ST=0.5	
	06 - SDD3 ST=0.5	
	07 ST=0.6	
	08	
	09	
	B.B = L2:397 ST=0.7 5.6 $\mu$ s $V_F = 2.677$	
10	0.7	$V_R = 0.920$
11	0.7	
12		
13	ST=0.7 - PT=0.2 $\mu$ s	
14	PT= "	
15	PT=0.2	
16	ST=0.7 - PT=1.0 $\mu$ s - 700 $\mu$ torr	$V_F = 2.665$
17	"	$V_R = 916$
18	"	

19 - SDD1 - ST=0.7 - PT=2.0  
20  
21  
~~22~~

②  
PT  
0.2, 1, 2, 5.6, 9.6

22-SDD1 - ST=0.7, PT=9.6, 703  $\mu$  Torr  
23-SDD2 0.7  
24-SDD3 0.7

25 BB = 405A, 0.8-ST, P.T = 9.6  
26  
27

$V_F = 2.659$   
 $V_R = 913$

28 ST=0.8, PT=Q  
29  
30

31 ST=0.8, PT=1  
32  
33

$V_F = 2.668$   
 $V_R = 0.908$

34 ST=0.8, PT=5.6  
35  
36

37 ST=0.8, PT=0.2  
38  
39

40

$$ST = 0.9, PT = 0.2$$

41

42

43

$$ST = 0.9, PT = 1$$

44

45

46

$$ST = 0.9, PT = 2 \mu s$$

47

48

$$V_F = 2.668$$

$$V_R = 0.906 \text{ mV}$$

49

$$ST = 0.9, PT = 5.6 \mu s$$

50

51

52

$$ST = 0.9, PT = 9.6 \mu s$$

53

54

55

$$ST = 1.0, PT = 9.6 \mu s$$

56

57

$$V_F = 2.670$$

$$V_R = 912 \text{ mV}$$

58

$$ST = 1.0, PT = 5.6 \mu s$$

59

60

$$V_F = 2.665$$

$$= 0.903$$

61

$$ST = 1.0, PT = 2 \mu s$$

62

63

64

$$ST = 1.0, PT = 1 \mu s$$

65

66

67  $ST = 1.0, PT = 0.2$

68

69

70  $ST = 1.1, PT = 0.2$

71

72

73  $ST = 1.1, PT = 1$

74

75

76  $ST = 1.1, PT = 2$

77

78 — This was overwritten, took data again & saved as 78a

~~78~~

79  $ST = 1.1, PT = 5.6$

80

81

82  $ST = 1.1, PT = 9.6$

83

84

~~84~~

85  $ST = 1.2, PT = 9.6$

86

87

88  $ST = 1.2, PT = 5.6$

89

90

Sam thinks  
The pressure went  
up could be  
due to Bruce  
turned off the  
AC.

2022/09/14

(5)

$$ST = 1.2, PT = 2$$

91

92

93

$$ST = 1.2, PT = 1$$

94

95

96

$$ST = 1.2, PT = 0.2$$

97

98

99

$$ST = 1.3, PT = 0.2$$

100

101

102

$$ST = 1.3, PT = 1$$

103

104

105

$$ST = 1.3, PT = 2$$

106

107

108

$$ST = 1.3, PT = 5.6$$

109

110

111

$$ST = 1.3, PT = 9.6$$

112

113

114

$$ST = 1.4, PT = 9.6$$

115

116

117

$$118 \quad ST = 1.4, PT = 5.6$$

119

120

$$121 \quad ST = 1.4, PT = 2$$

122

123

$$124 \quad ST = 1.4, PT = 1$$

125

126

$$127 \quad ST = 1.4, PT = 0.2$$

128

129

$$130 \quad ST = 1.5, PT = 0.2$$

131

132

$$133 \quad ST = 1.5, PT = 1.0$$

134

135

$$136 \quad ST = 1.5, PT = 2.0$$

137

138

$$139 \quad ST = 1.5, PT = 5.6$$

140

141

$$V_F = 2.66 V$$

$$V_R = 0.922$$

142 ST = 1.5, PT = 9.6  
 143  
 144

145 ST = 1.6, PT = 9.6  
 146  
 147

148 ST = 1.6, PT = 5.6  
 149  
 150

151 1.6, PT = 2.0  
                                 "  
 152  
 153  
                                 "  
 154

(Pressure went down)  
 Pressure = 711

155 ST = 1.6, PT = 1.0  
 156  
 157

158 ST = 1.6, PT = 0.2  
 159  
 160