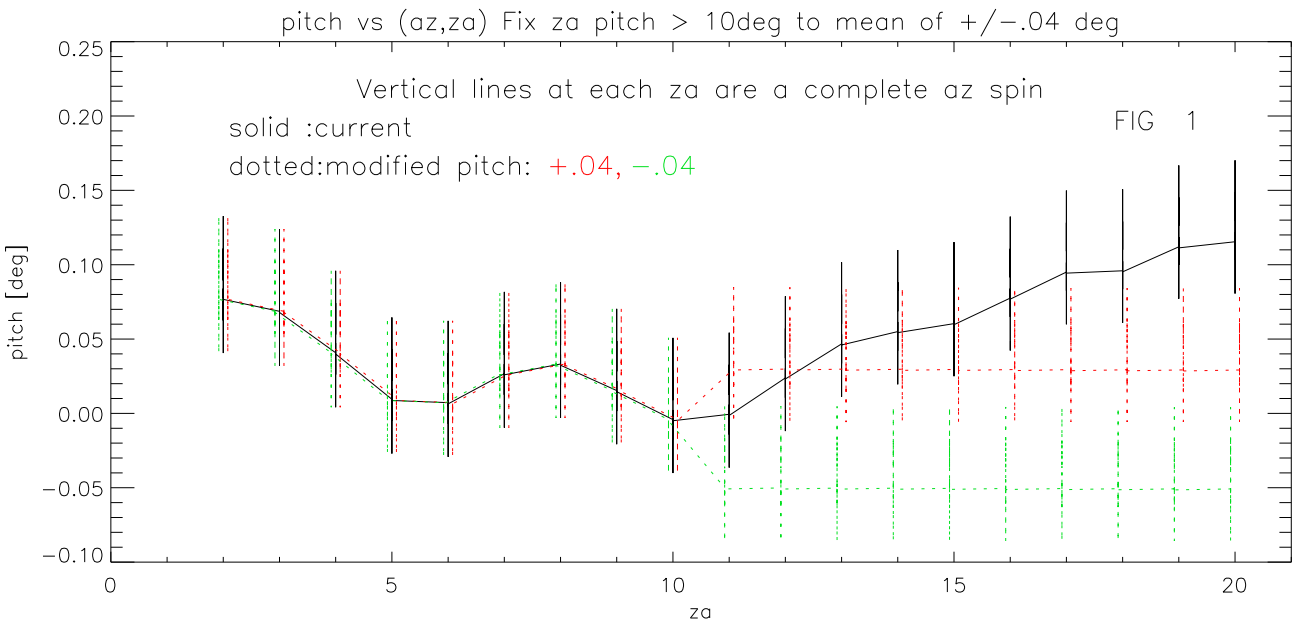
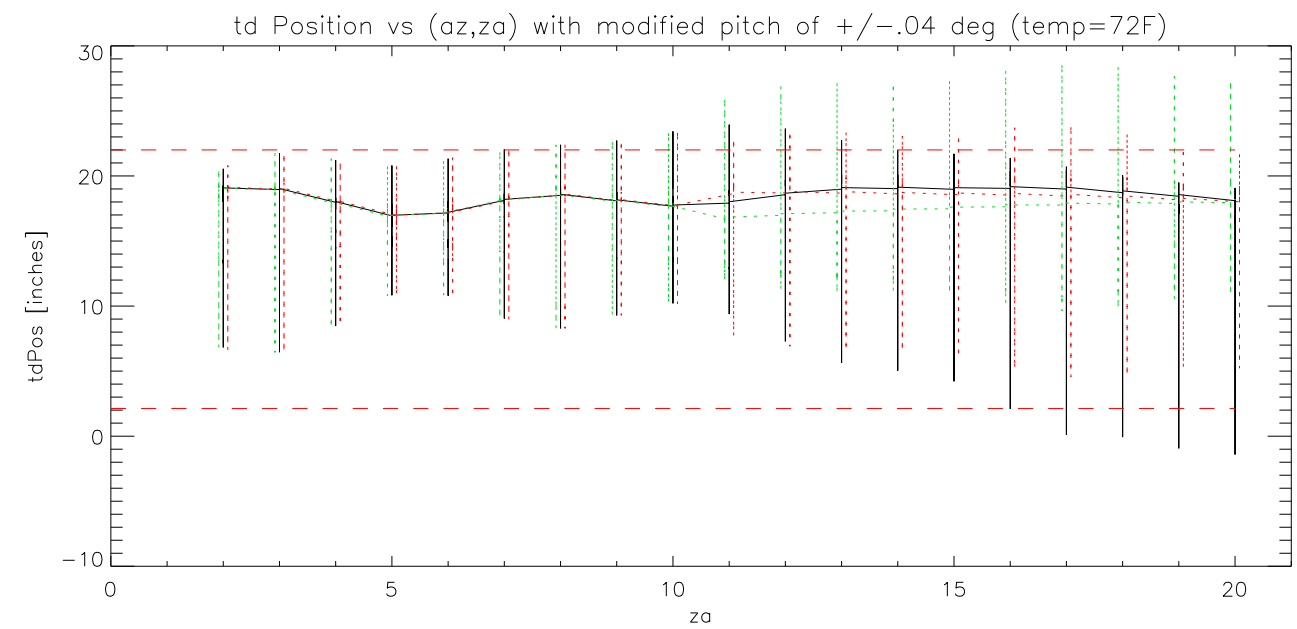
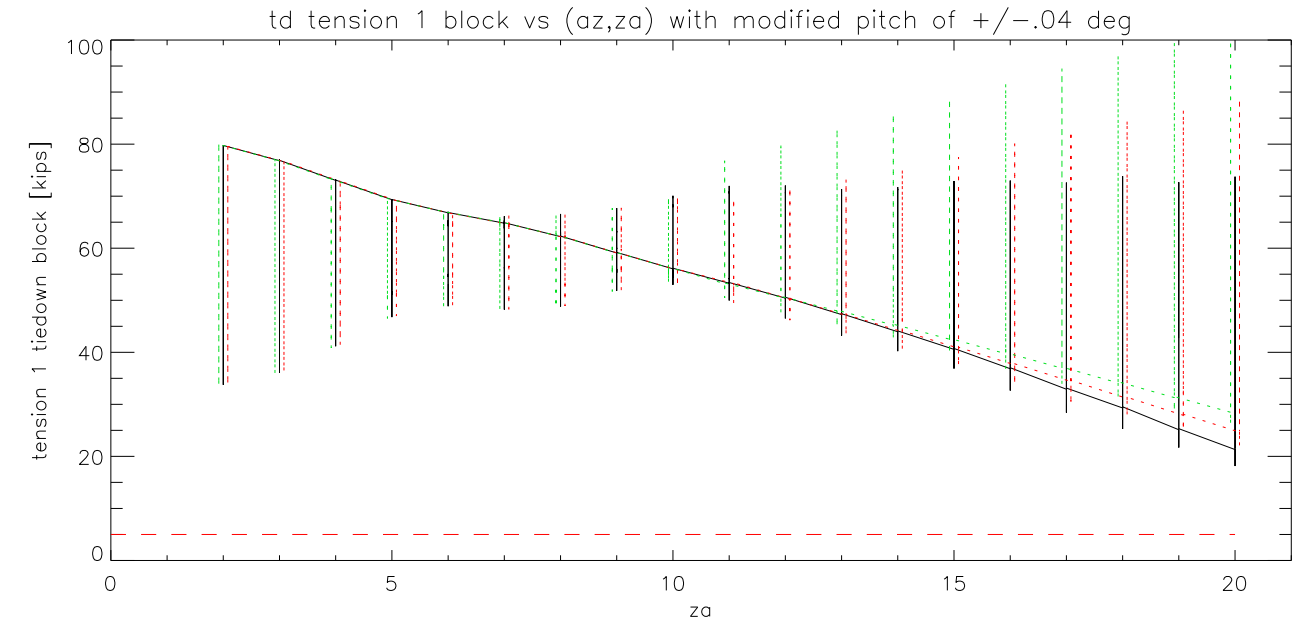
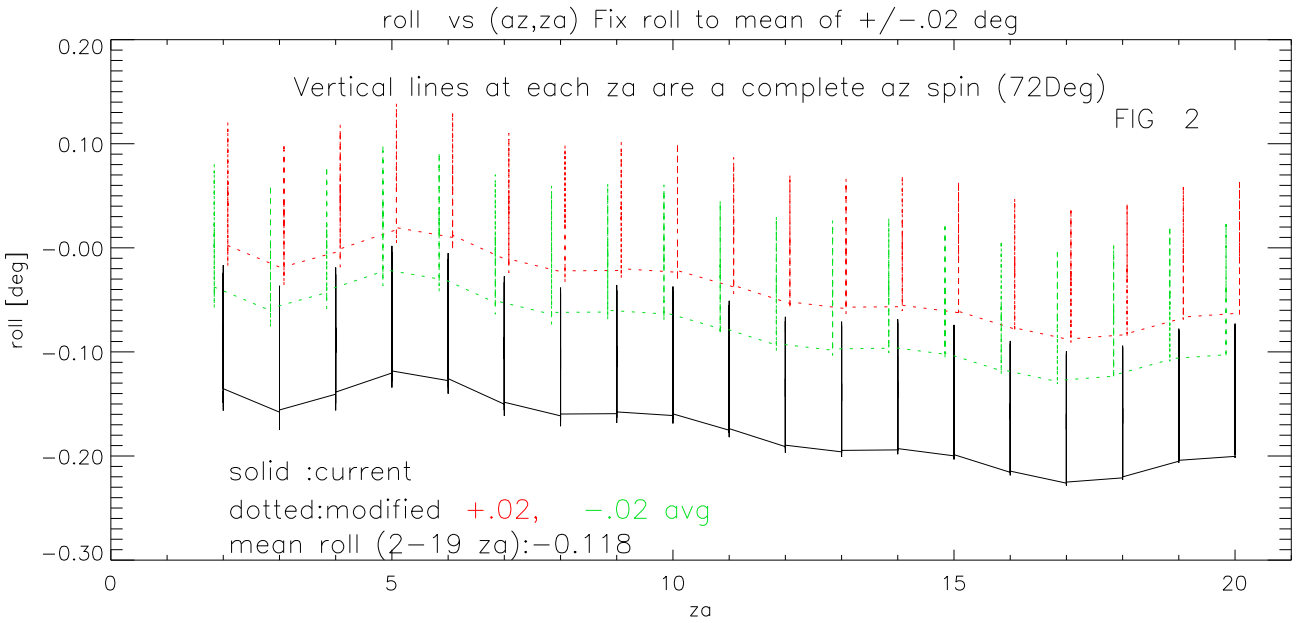
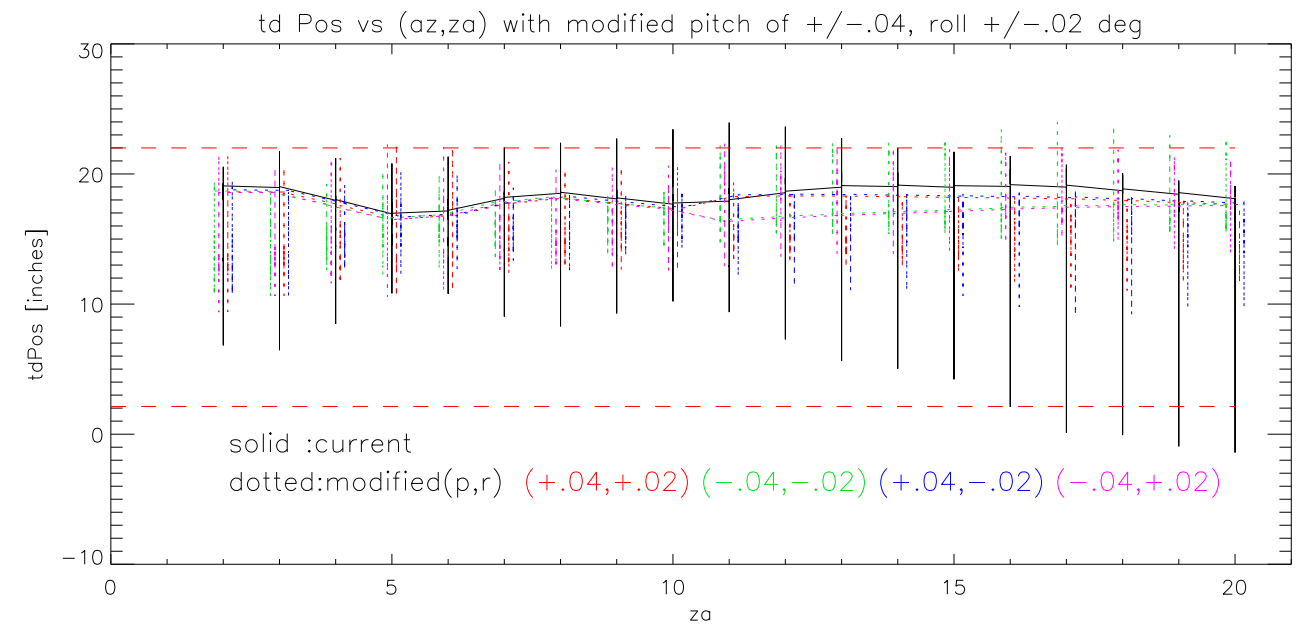
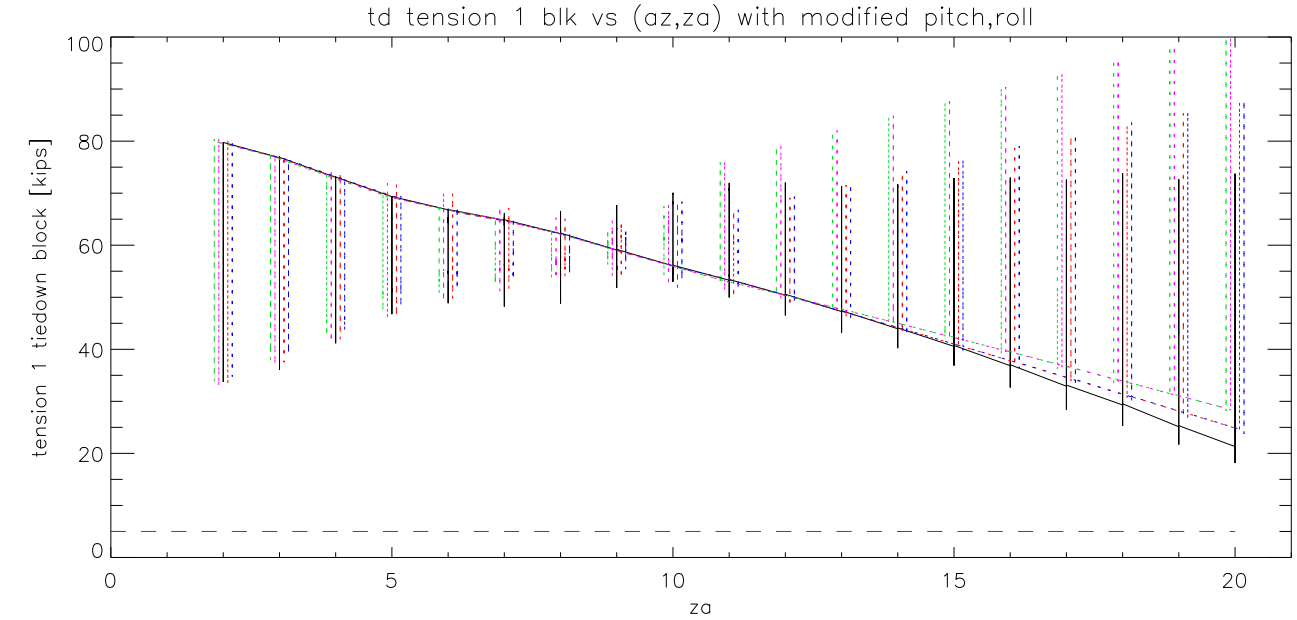

pitch vs (az,za) Fix za pitch > 10deg to mean of +/−.04 deg
Vertical lines at each za are a complete az spin
solid :current
dotted:modified pitch: +.04, −.04
FIG 1
pitch [deg]
0.25
0.20
0.15
0.10
0.05
0.00
−0.05
−0.10
0
5
10
15
20
za

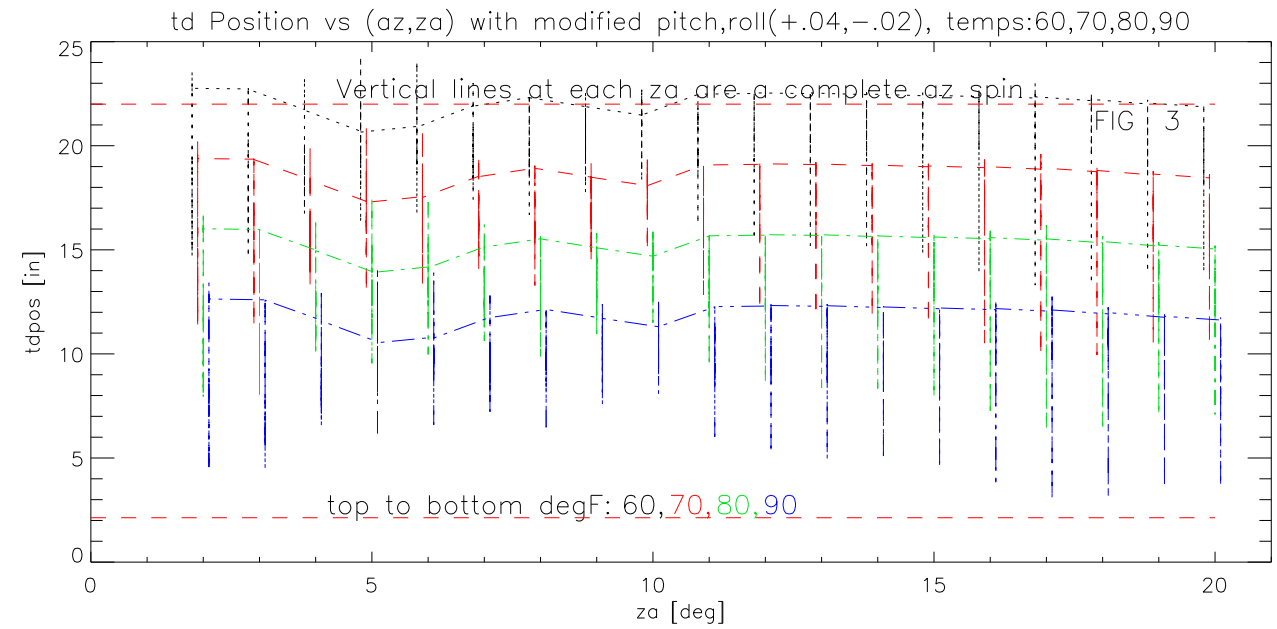

td Position vs (az,za) with modified pitch of +/−.04 deg (temp=72F)
tdPos [inches]
30
20
10
0
−10
0
5
10
15
20
za

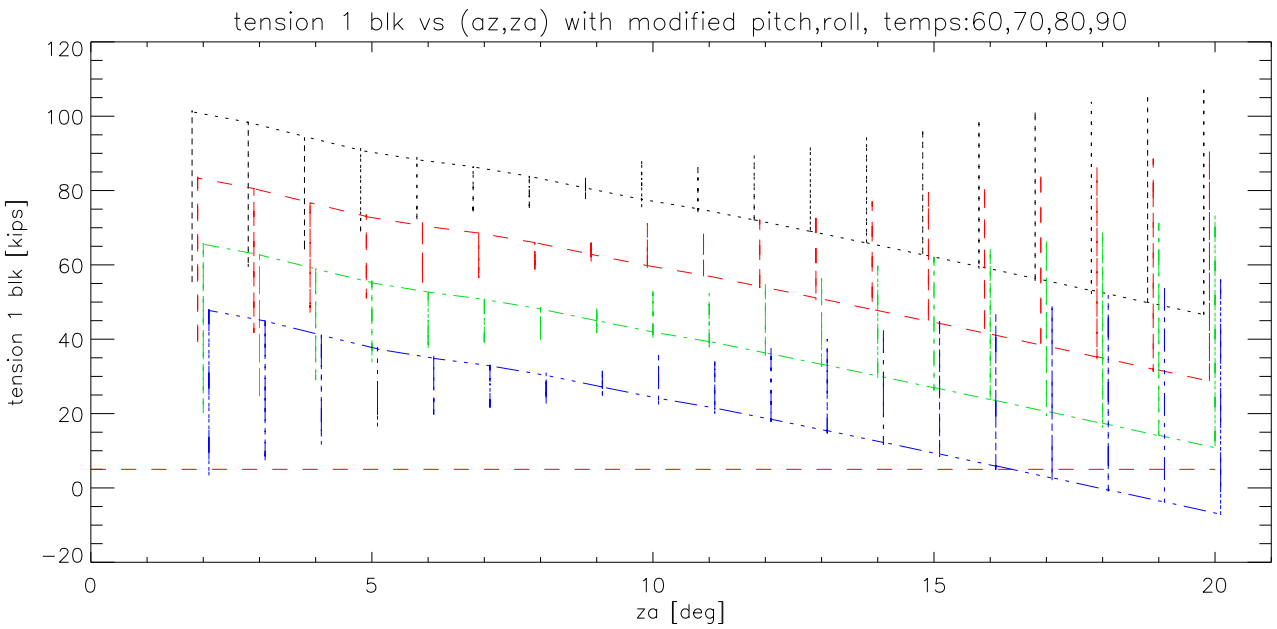

td tension 1 block vs (az,za) with modified pitch of +/−.04 deg
tension 1 tiedown block [kips]
100
80
60
40
20
0
0
5
10
15
20
za

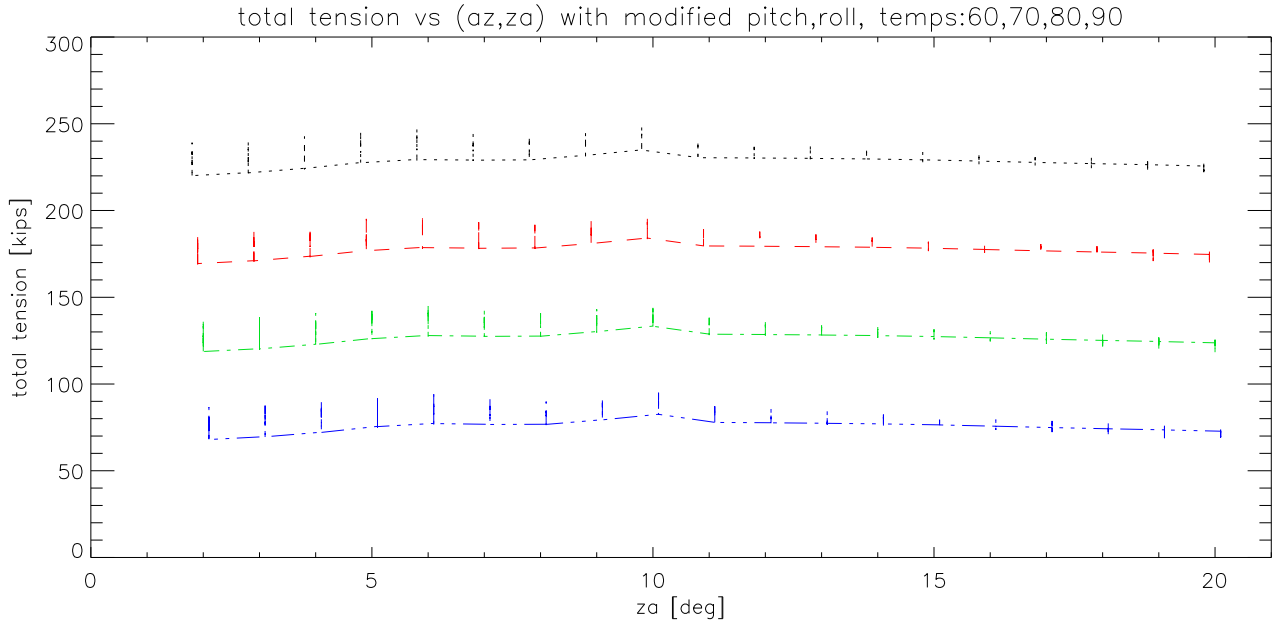

roll vs (az,za) Fix roll to mean of +/−.02 deg
Vertical lines at each za are a complete az spin (72Deg)
FIG 2
roll [deg]
0.20
0.10
−0.00
−0.10
−0.20
−0.30
solid :current
dotted:modified +.02, −.02 avg
mean roll (2−19 za):−0.118
0
5
10
15
20
za


td Pos vs (az,za) with modified pitch of +/−.04, roll +/−.02 deg
tdPos [inches]
30
20
10
0
−10
solid :current
dotted:modified(p,r) (+.04,+.02) (−.04,−.02) (+.04,−.02) (−.04,+.02)
0
5
10
15
20
za


td tension 1 blk vs (az,za) with modified pitch,roll
tension 1 tiedown block [kips]
100
80
60
40
20
0
0
5
10
15
20
za


td Position vs (az,za) with modified pitch,roll(+.04,−.02), temps:60,70,80,90
Vertical lines at each za are a complete az spin
FIG 3
top to bottom degF: 60,70,80,90
tdpos [in]
za [deg]


tension 1 blk vs (az,za) with modified pitch,roll, temps:60,70,80,90
tension 1 blk [kips]
za [deg]


total tension vs (az,za) with modified pitch,roll, temps:60,70,80,90
total tension [kips]
za [deg]