Appendix I

SBEACH Model Calibration Profile Plots

for

Brevard County

Hurricane Frances: <u>Set 1</u>

Pre-Storm (May 2004)
Post-Storm (September 9, 2004)
SBEACH Eroded Profiles:
using adjusted Sebastian-measured wave input

using adjusted Sebastian-measured wave input
& using NOS-measured storm tide
(Canaveral-Trident gage)

Hurricane Frances: <u>Set 2</u>

Pre-Storm (May 2004)
Post-Storm (September 9, 2004)
SBEACH Eroded Profiles :

using adjusted Sebastian-measured wave input
 using adjusted NOS-measured storm tide
 (Canaveral-Trident gage)

Hurricane Frances: Set 3

Pre-Storm (May 2004)
Post-Storm (September 9, 2004)
SBEACH Eroded Profiles :

using constant wave input (12ft.-9sec.)& using adjusted NOS-measured storm tide

(Canaveral-Trident gage)

Hurricane Jeanne

Pre-Storm (September 9, 2004)

Post-Storm (September 24, 2004)

SBEACH Eroded Profiles (2 SBEACH eroded profiles):

SBEACH Profile 1 with- adjusted Spessard-measured storm tide
adjusted Spessard-measured wave input

SBEACH Profile 2 with- adjusted Spessard-measured storm tide
adjusted constant wave input (12ft.-9sec.)

SBEACH Model Calibration Profile Plots

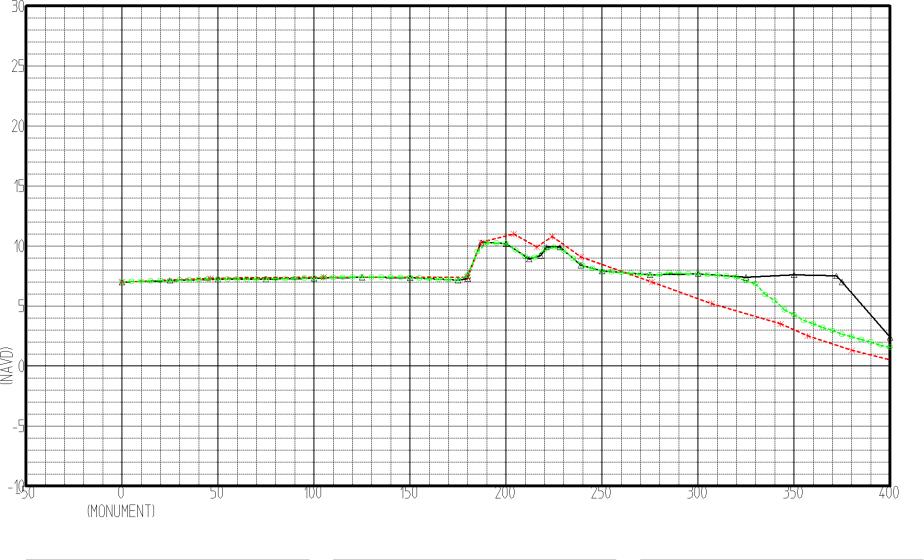
for

Brevard County

Hurricane Frances: Set 1

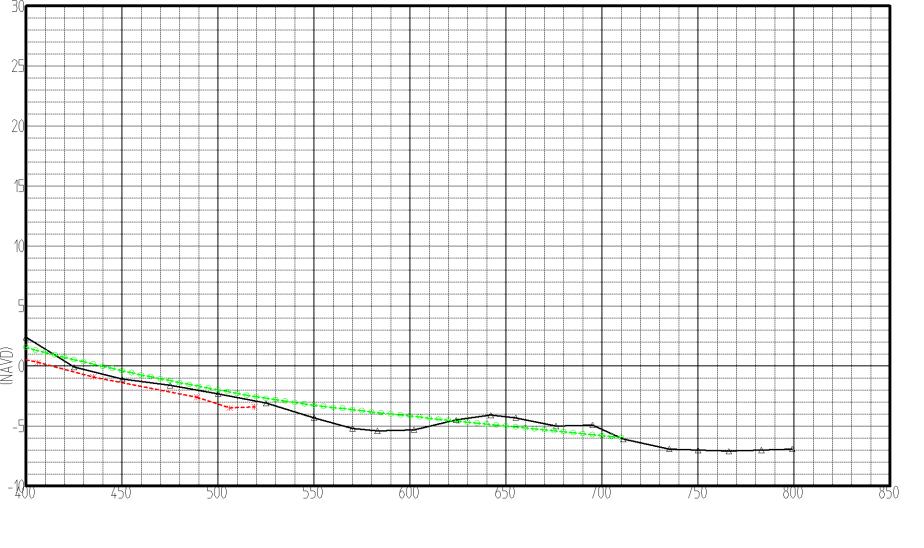
Pre-Storm (May 2004)
Post-Storm (September 9, 2004)
SBEACH Eroded Profiles:
using adjusted Sebastian-measured wave input

& using NOS-measured storm tide
(Canaveral-Trident gage)



| BEACH PROFILE |
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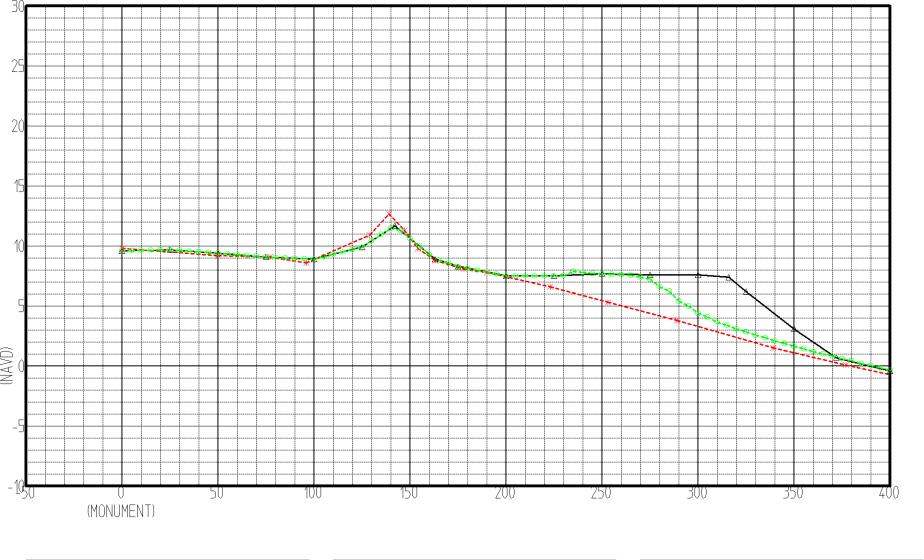
| Range: _{R-8} | | 1/2 |
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| BEARING: | 90.00 | |



| BEACH PROFILE |
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| Cuitos Etuded III |

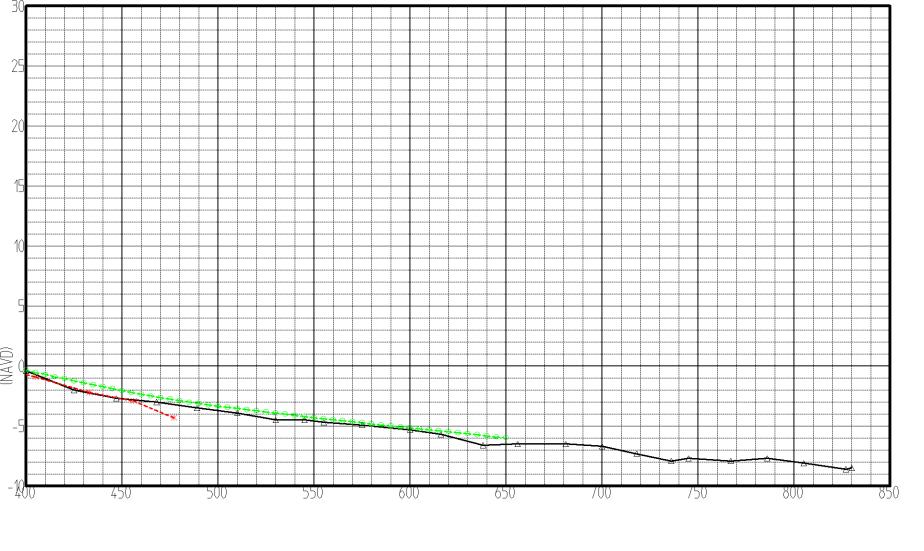
Range: R-8 2/2
BEARING: 90.00

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| CanSS Eroded Prf |
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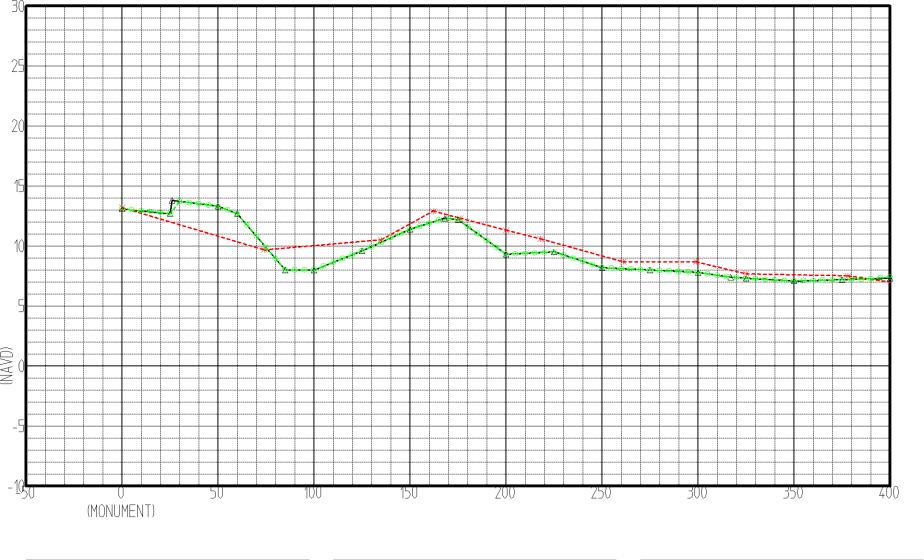
| Range: _{R-17} | | 1/2 |
|------------------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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| •CanSS Eroded Prf |

Range: _{R-17} 2/2

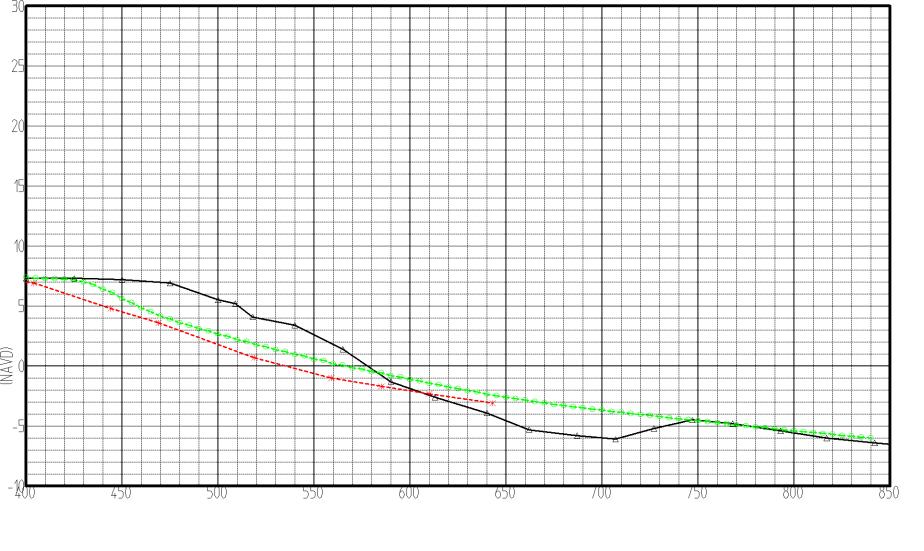
BEARING: 90.00



| BEACH PROFILE |
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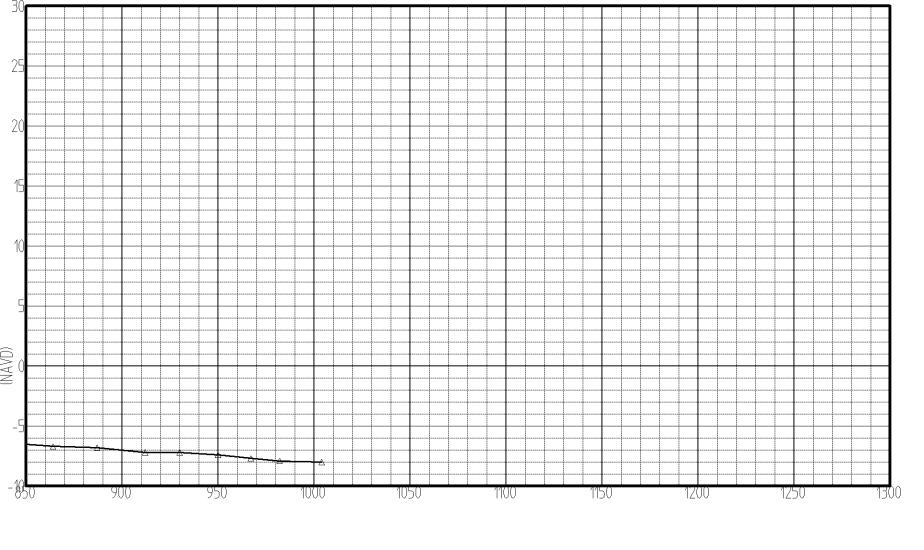
Range: R-28-T 1/3

BEARING: 90.00



| BEACH PROFILE |
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| •CanSS Eroded Prf |

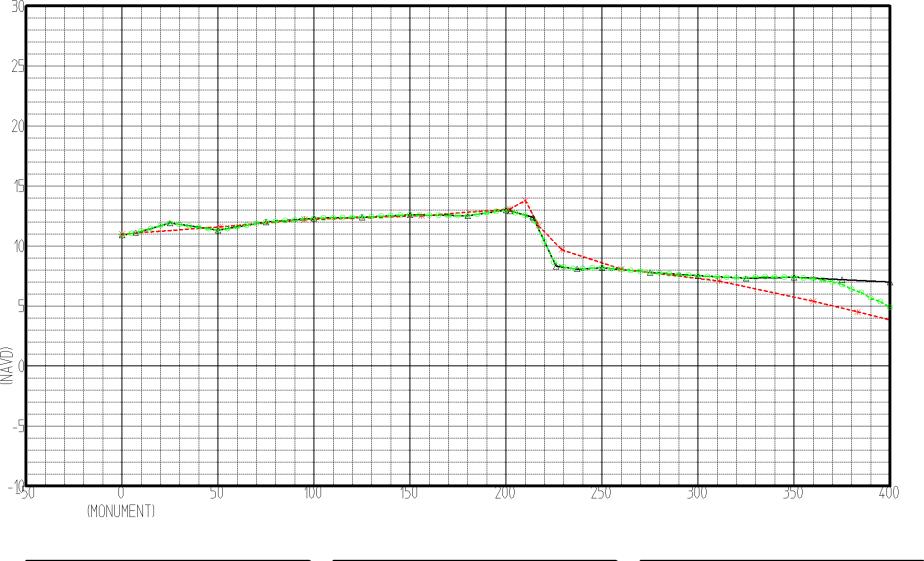
| Range: R-28-T | | 2/3 |
|---------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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| • CanSS Eroded Prf |

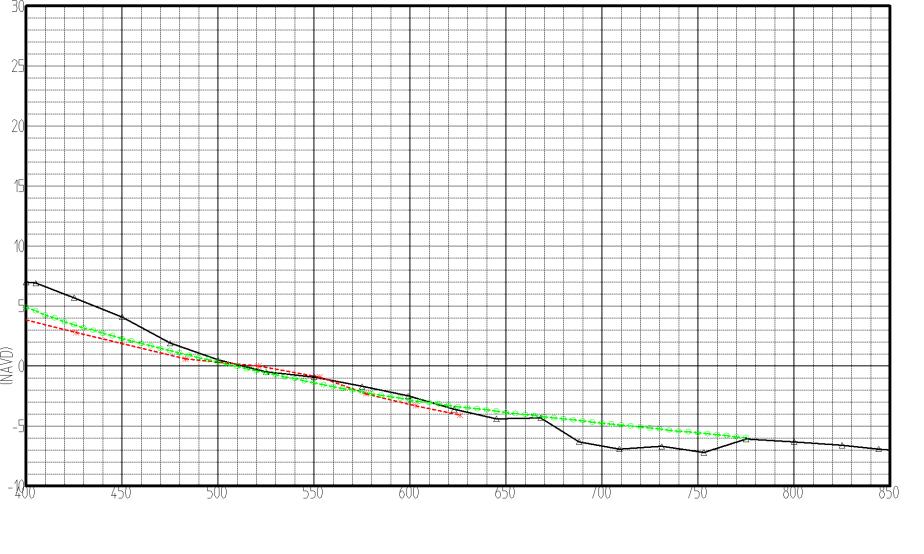
Range: R-28-T 3/3

BEARING: 90.00



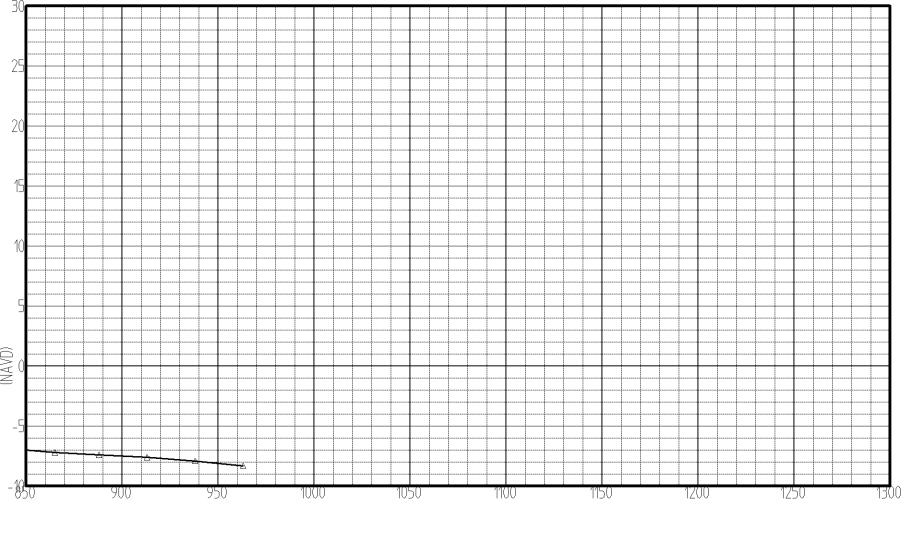
| BEACH PROFILE |
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| 2004-05 PRE-STORM * 2004-09-09 POST-FRANCES |
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| Range: R-36 | | 1/3 |
|-------------|-------|-----|
| BEARING: | 90.00 | |



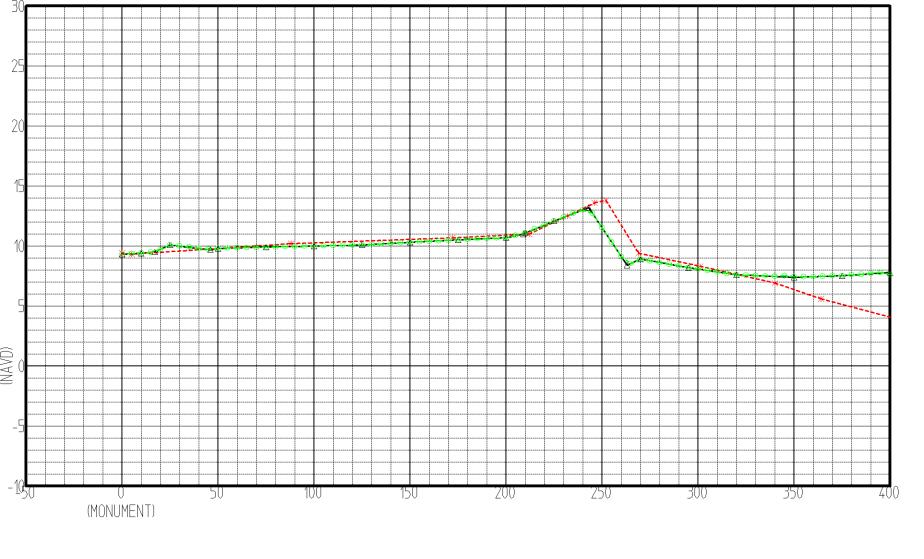
| * | BEACH PROFILE 2004-05 PRE-STORM 2004-09-09 POST-FRANCES CanSS Eroded Prf |
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| Range: R-36 | | 2/3 |
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| BEARING: | 90.00 | |



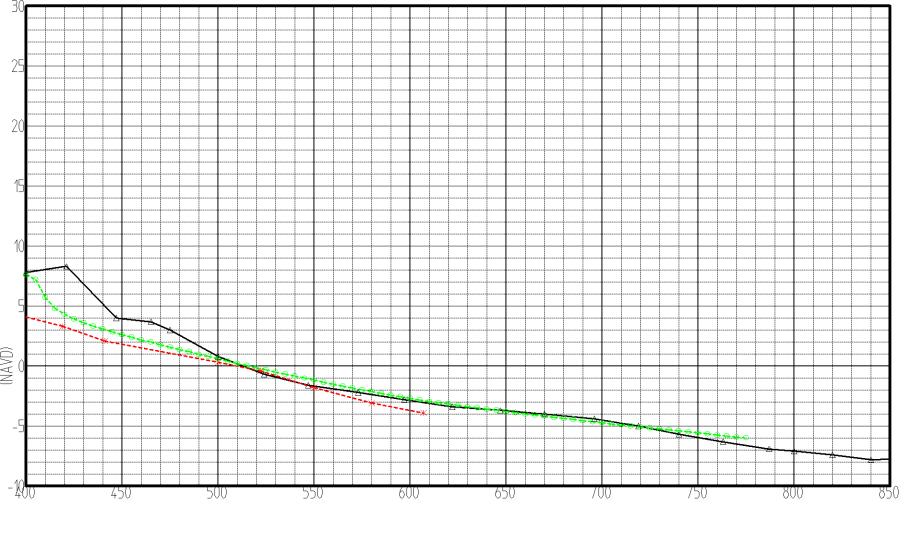
| BEACH PROFILE 2004-05 PRE-STORM 2004-09-09 POST-FRANCES CanSS Eroded Prf |
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Range: R-36 3/3
BEARING: 90.00



| BEACH PROFILE |
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| GanSS Eroded Prf |

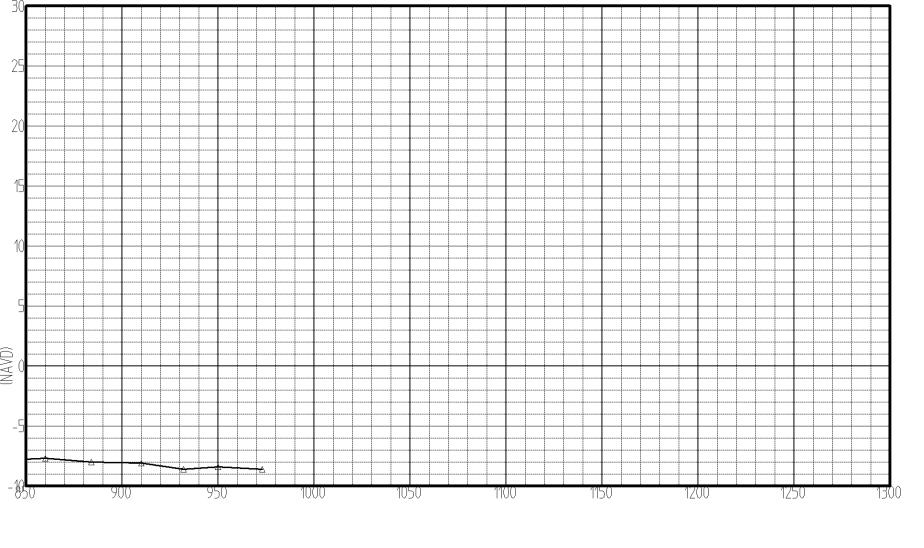
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|-------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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| GanSS Eroded Prf |

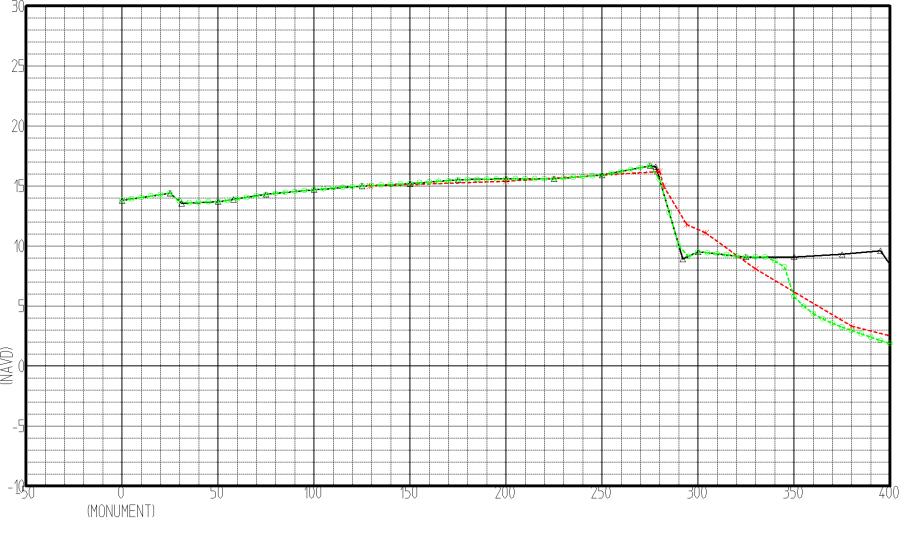
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| BEARING: | 90.00 | |

5-25-10



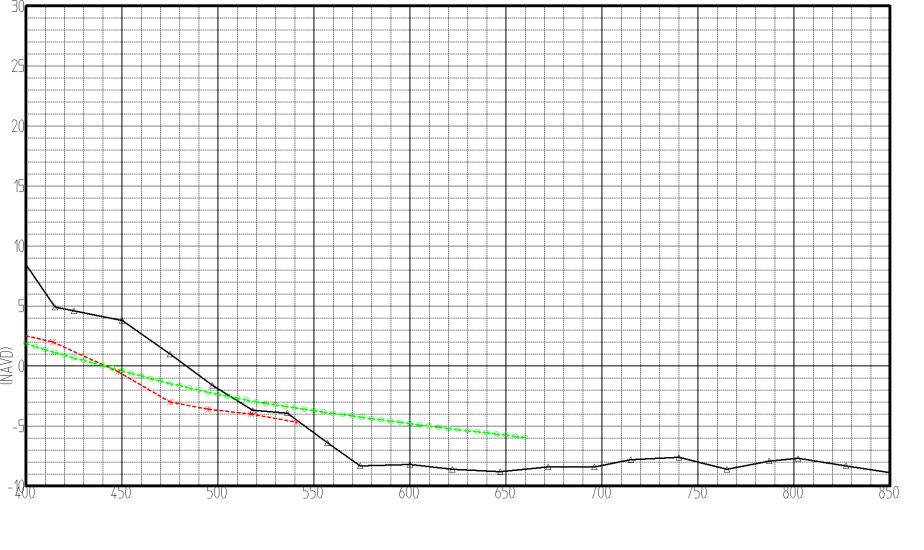
| BEACH PROFILE 2004-05 PRE-STORM 2004-09-09 POST-FRANCES CanSS Eroded Prf |
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Range: R-46 3/3
BEARING: 90.00



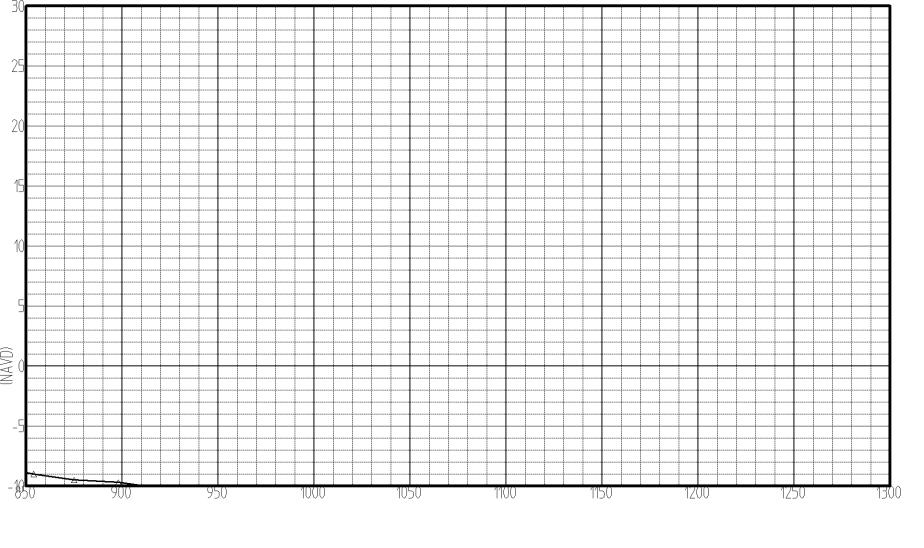
| BEACH PROFILE |
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| Range: R-121-T | | 1/3 |
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| BEARING: | 80.00 | |



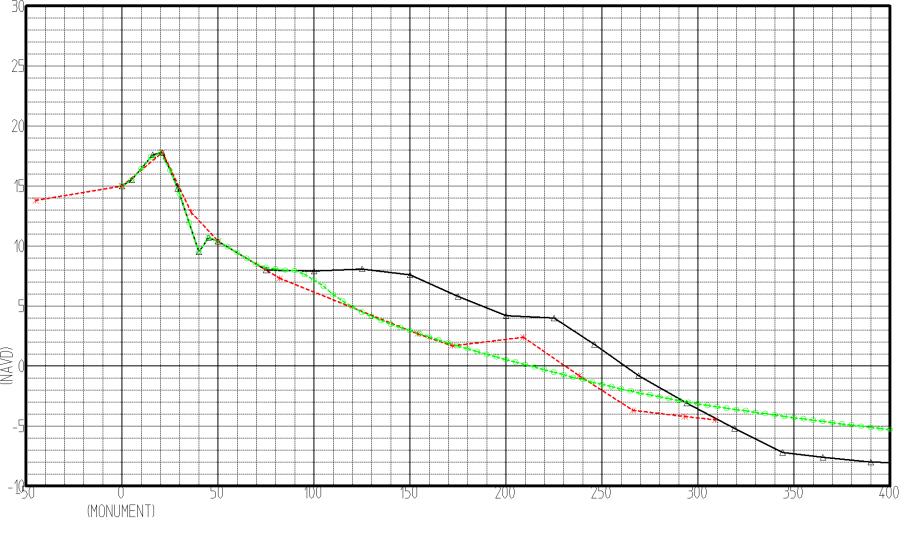
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| Range: R-121-T | | 2/3 |
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| BEARING: | 80.00 | |



| BEACH PROFILE |
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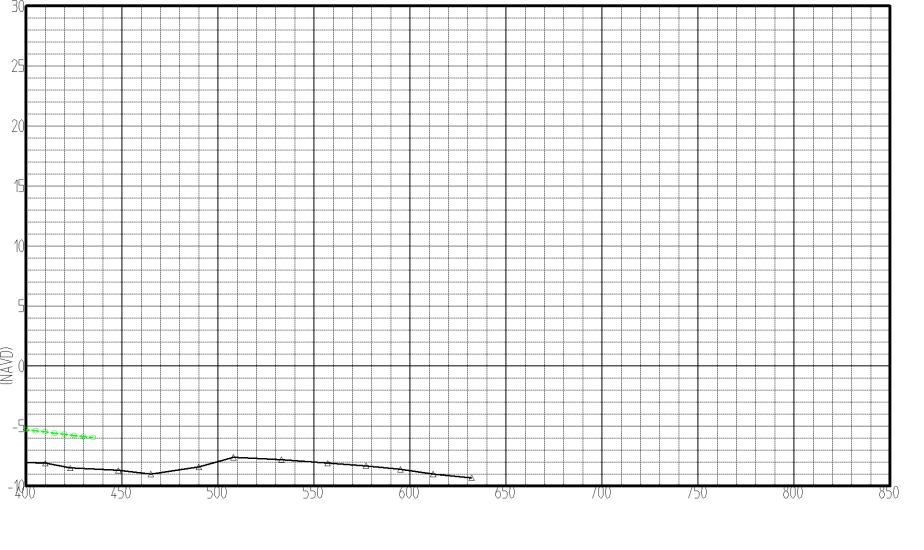
Range: R-121-T 3/3
BEARING: 80.00



| BEACH PROFILE |
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES |
| → CanSS Eroded Prf |

Range: R-126-T 1/2

BEARING: 80.00



| <u> </u> | EACH PROFILE - 2004-05 PRE-STORM - 2004-09-09 POST-FRANCES - CanSS Froded Prf |
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| Range: R-126-T | | 2/2 |
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| BEARING: | 80.00 | |

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SBEACH Model Calibration Profile Plots

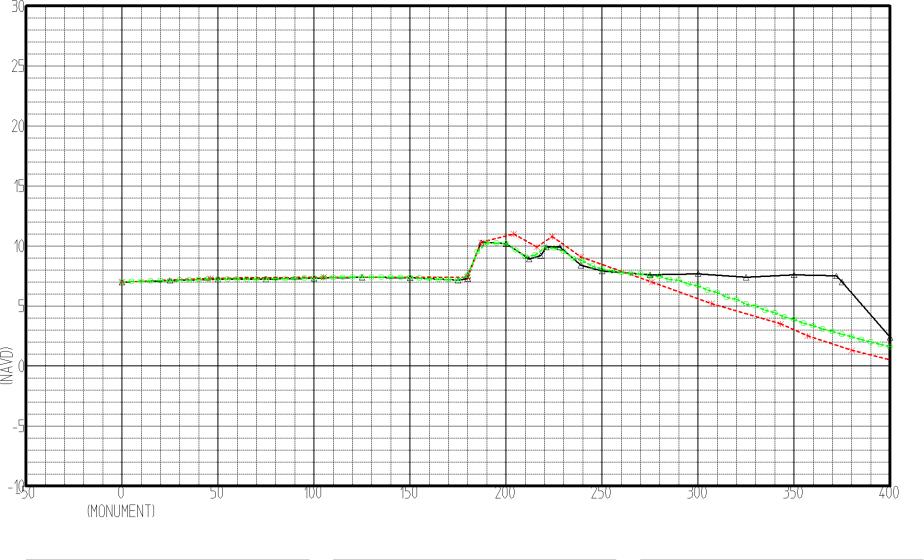
for

Brevard County

Hurricane Frances: Set 2

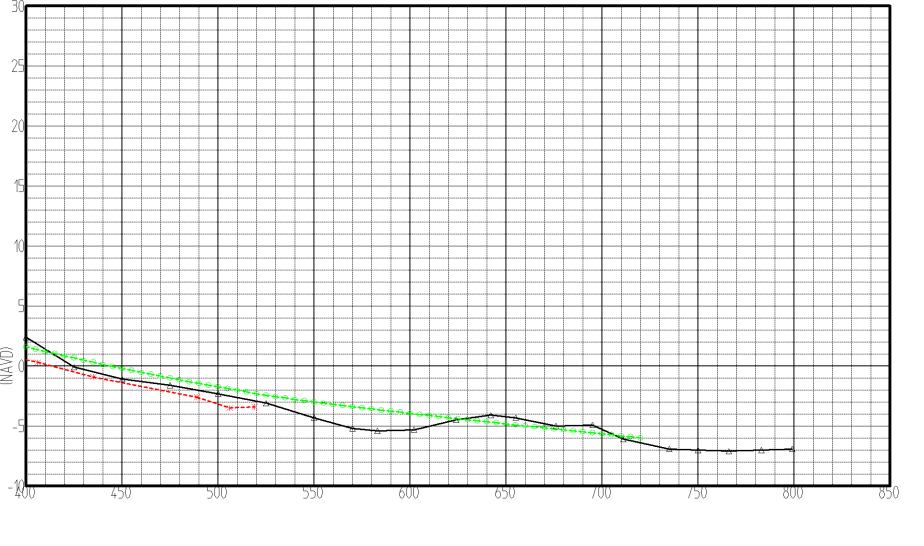
Pre-Storm (May 2004)
Post-Storm (September 9, 2004)
SBEACH Eroded Profiles :

using adjusted Sebastian-measured wave input & using adjusted NOS-measured storm tide (Canaveral-Trident gage)



| BEACH PROFILE |
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| — <u> </u> |
| Adj-CanSS Eroded |

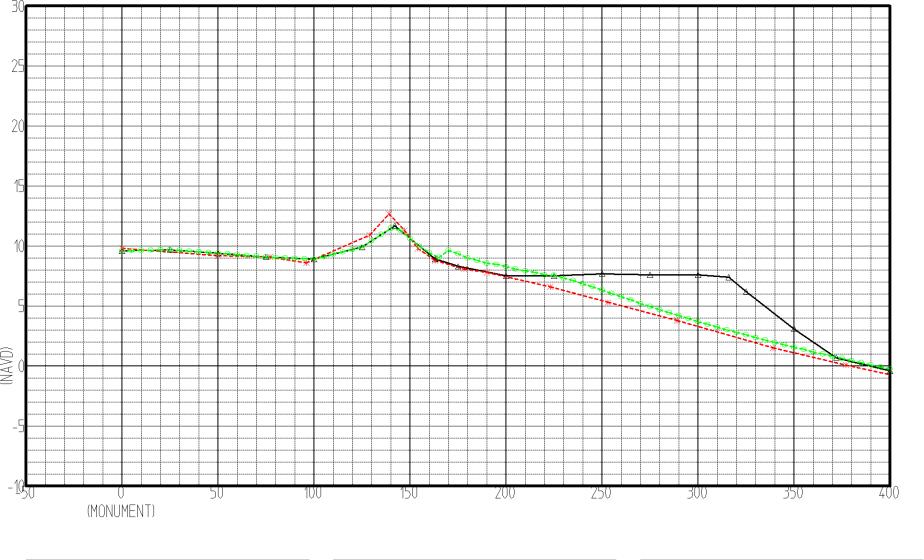
| Range: _{R-8} | | 1/2 |
|-----------------------|-------|-----|
| BEARING: | 90.00 | |



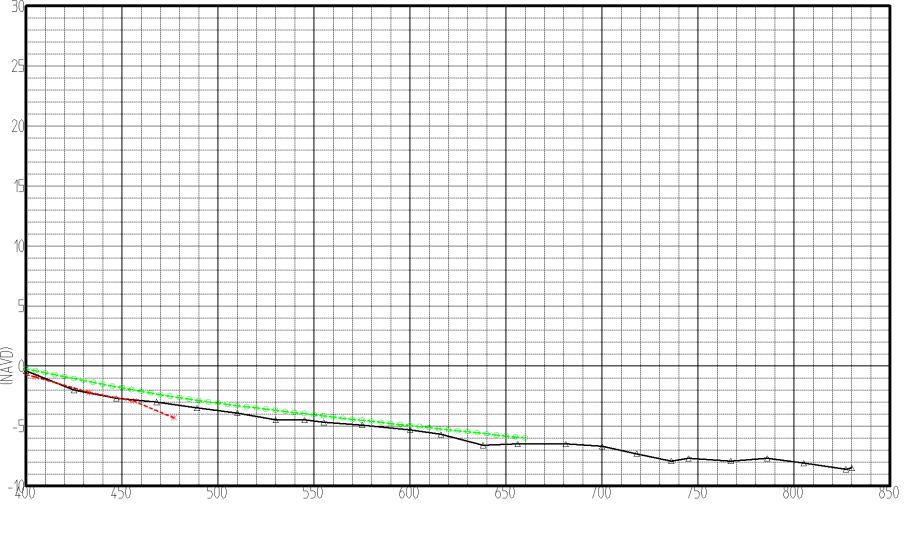
| BEACH PROFILE |
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| ⊕ Adj-CanSS Eroded |

| Range: _{R-8} | | 2/2 |
|-----------------------|-------|-----|
| BEARING: | 90.00 | |

5-25-10



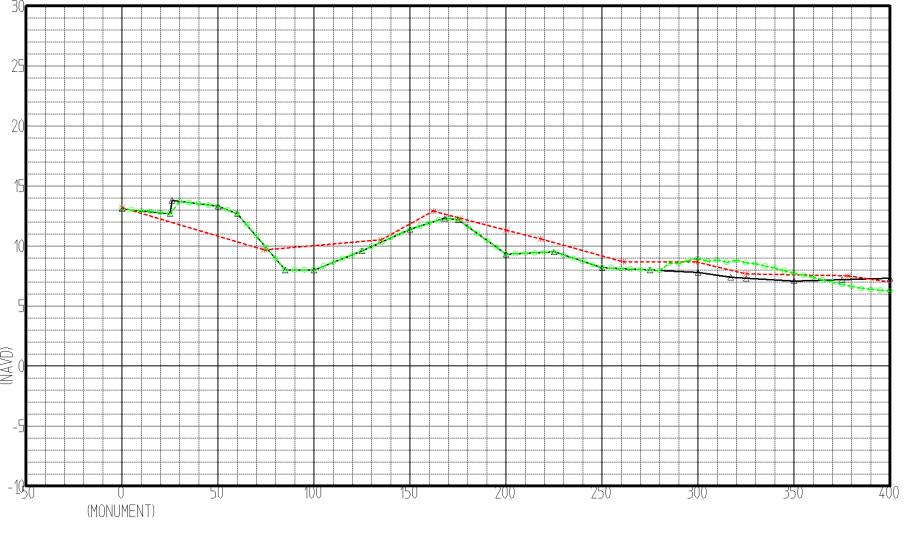
| Range: _{R-17} | | 1/2 |
|------------------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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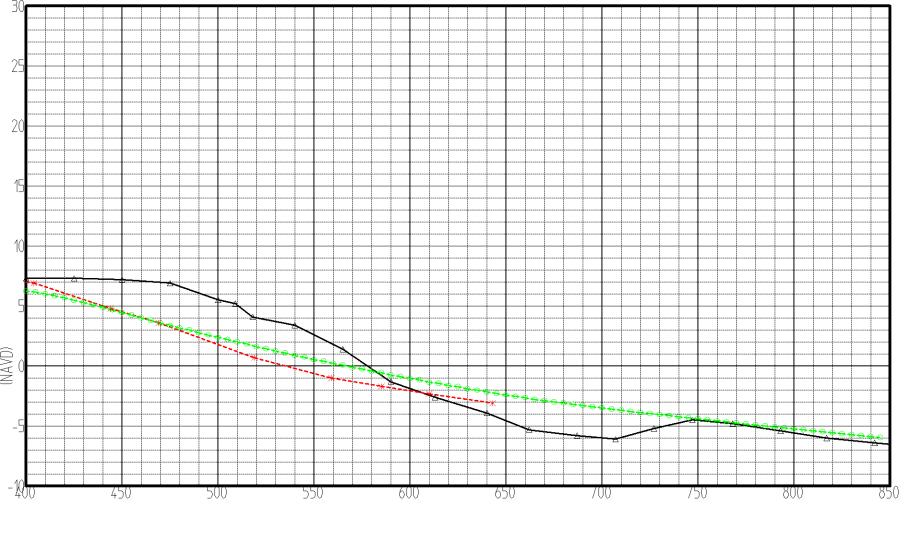
Range: _{R-17} 2/2

BEARING: 90.00



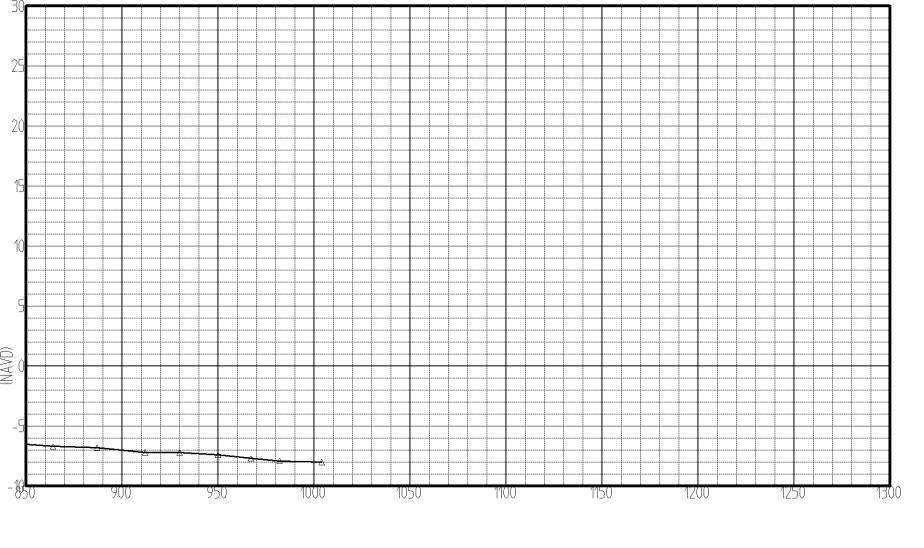
| BEACH PROFILE |
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES |
| Adj-CanSS Eroded |

| Range: R-28-T | | 1/3 |
|---------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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| • Adj-CanSS Eroded |

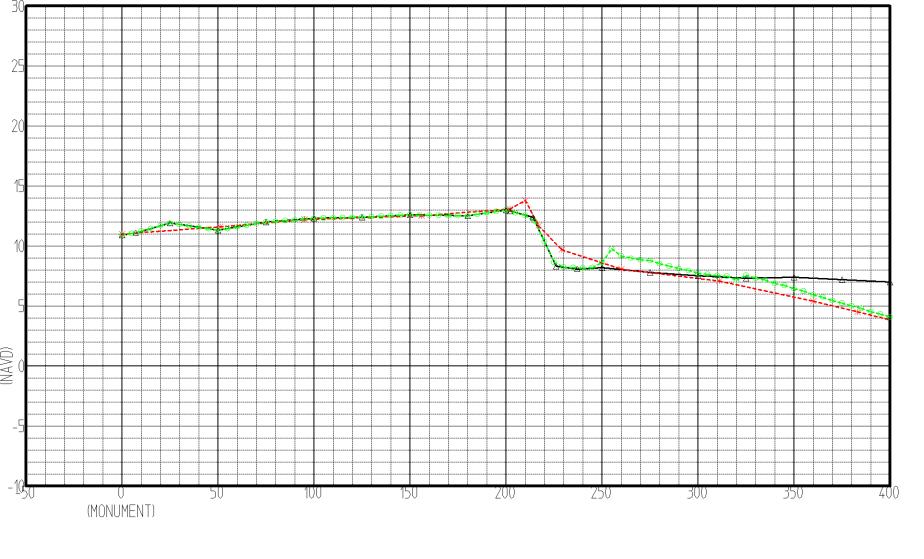
| Range: R-28-T | | 2/3 |
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| BEARING: | 90.00 | |



| BEACH PROFILE |
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| • Adj-CanSS Eroded |

Range: R-28-T 3/3

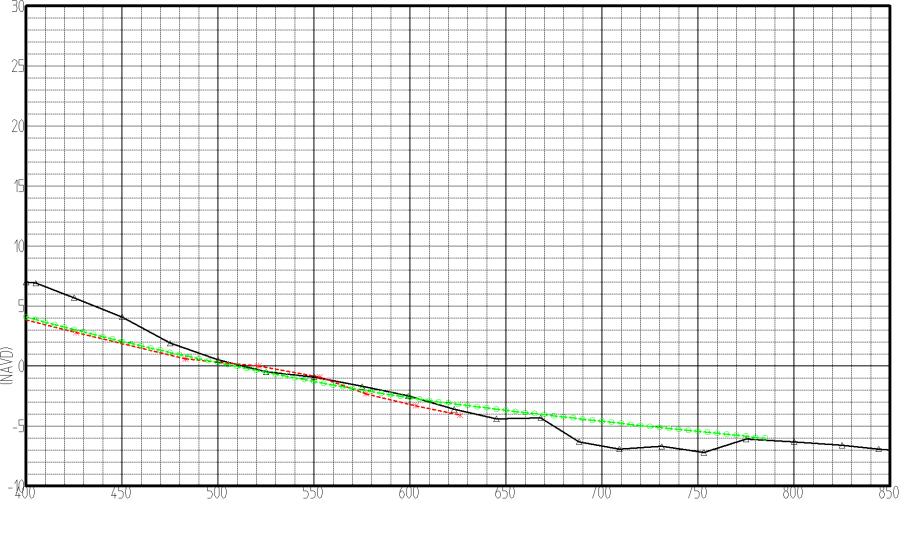
BEARING: 90.00



| BEACH PROFILE 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adj-CanSS Eroded |
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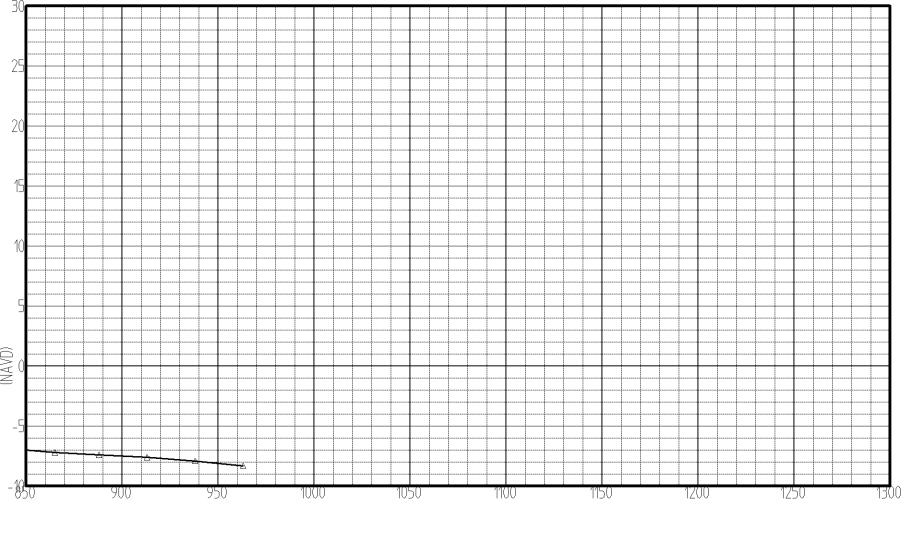
Range: R-36 1/3

BEARING: 90.00



| BEACH PROFILE |
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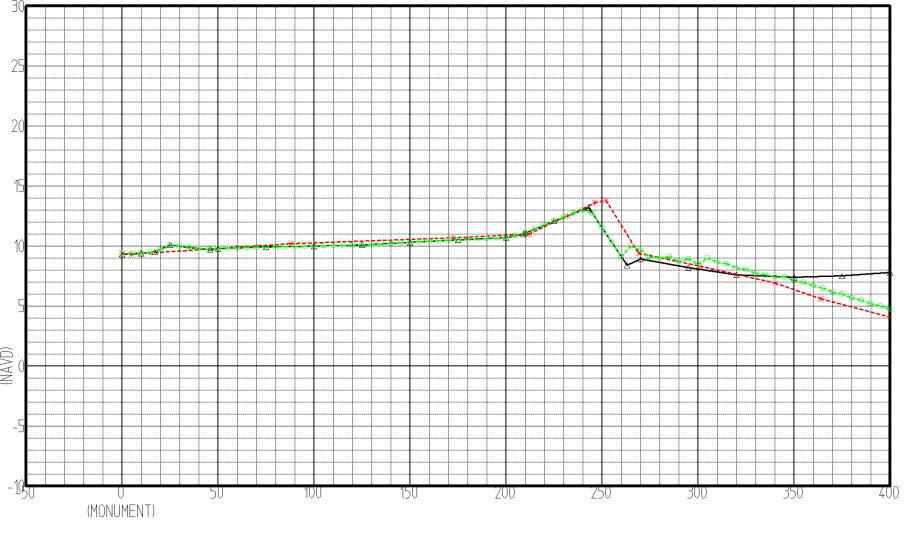
| Range: R-36 | | 2/3 |
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| BEARING: | 90.00 | |



| BEACH PROFILE |
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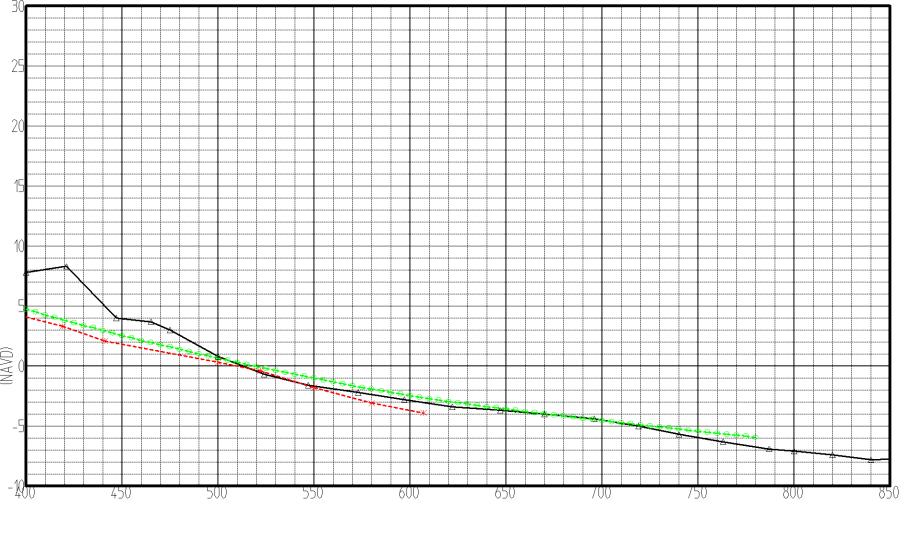
Range: R-36 3/3
BEARING: 90.00

5-25-10



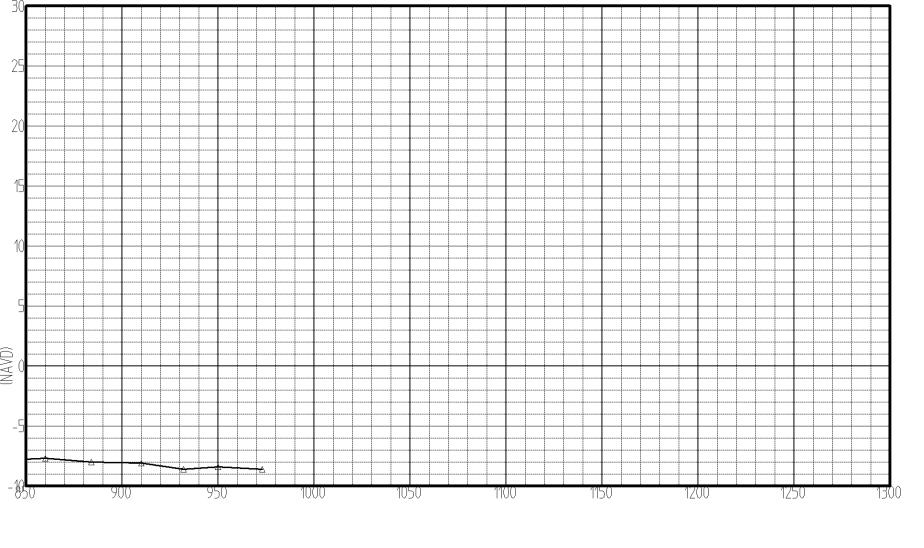
| BE | EACH PROFILE |
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| * | 2004-05 PRE-STORM 2004-09-09 POST-FRANCES |
| | Adj-CanSS Eroded |

| Range: R-46 | | 1/3 |
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| BEARING: | 90.00 | |



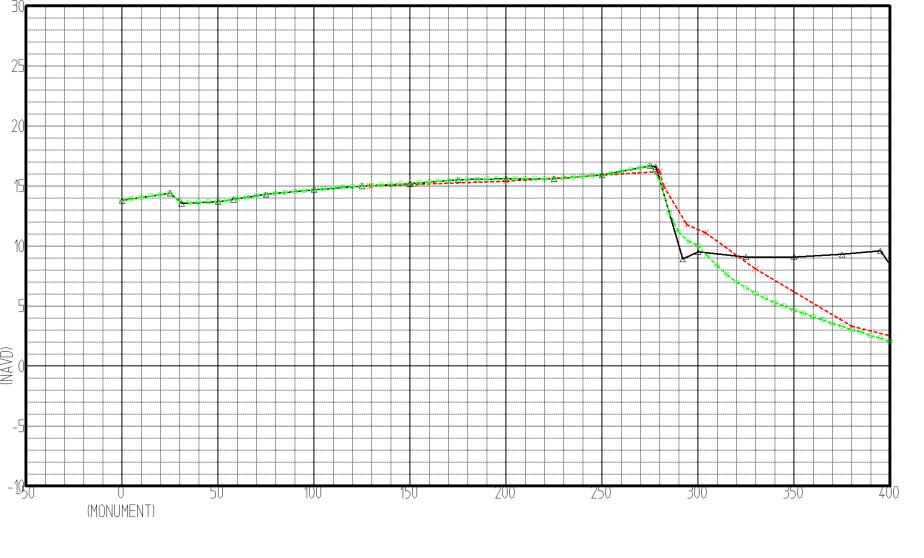
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| 2004-05 PRE-STORM * 2004-09-09 POST-FRANCES |
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| Range: R-46 | | 2/3 |
|-------------|-------|-----|
| BEARING: | 90.00 | |



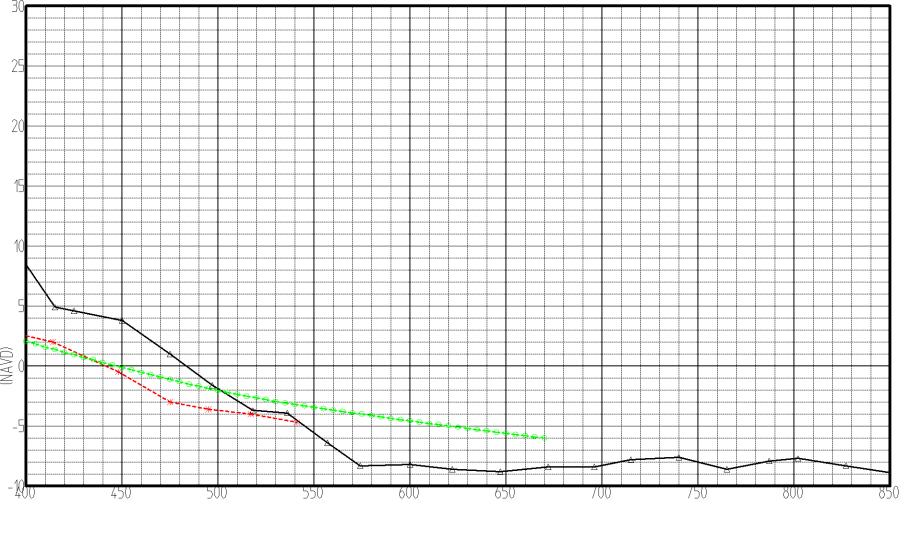
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adj-CanSS Eroded |
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Range: R-46 3/3
BEARING: 90.00



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| <u>A</u> | 2004-05 PRE-STORM* 2004-09-09 POST-FRANCES |
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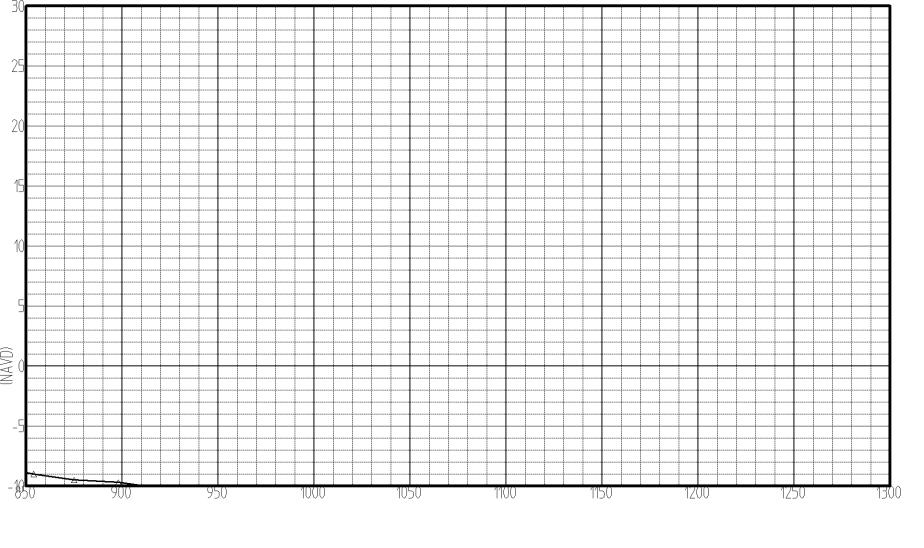
| ſ | Range: R-121-T | | 1/3 |
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| | BEARING: | 80.00 | |



| BEACH PROFILE |
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| • Adj-CanSS Eroded |

| Range: R-121-T | | 2/3 |
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| BEARING: | 80.00 | |

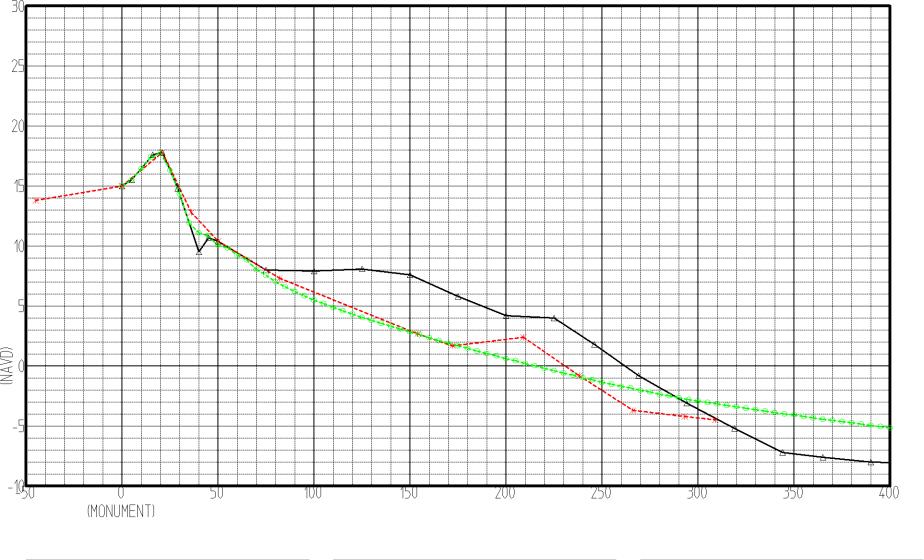
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| BEACH PROFILE |
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adj-CanSS Eroded |
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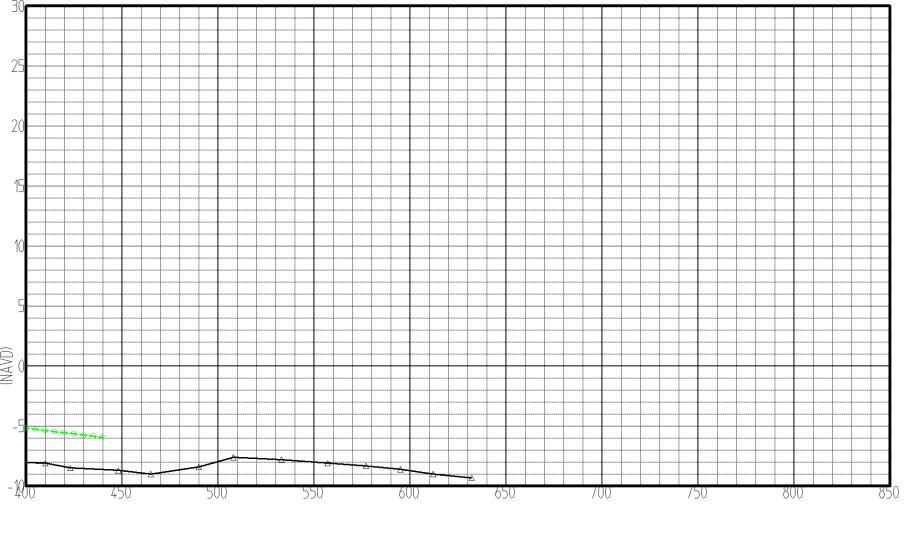
Range: R-121-T 3/3

BEARING: 80.00



| BEACH PROFILE |
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| Range: R-126-T | | 1/2 |
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| BEARING: | 80.00 | |



| BEACH PROFILE |
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Range: R-126-T 2/2
BEARING: 80.00

SBEACH Model Calibration Profile Plots

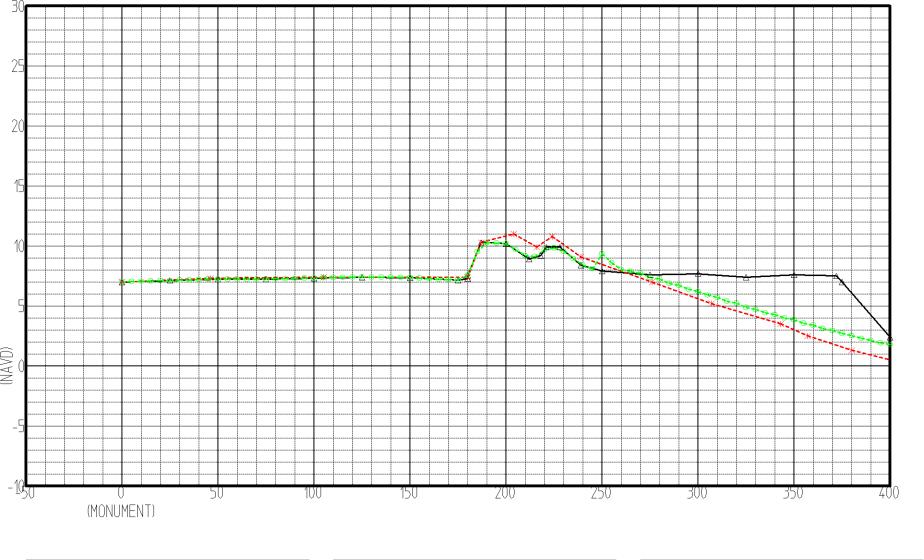
for

Brevard County

Hurricane Frances: Set 3

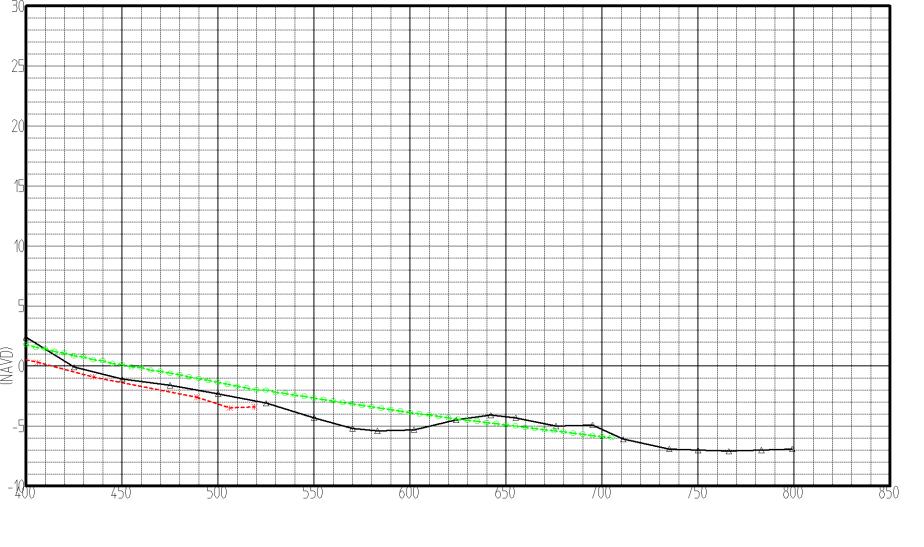
Pre-Storm (May 2004) Post-Storm (September 9, 2004) SBEACH Eroded Profiles :

using constant wave input (12ft.-9sec.)
& using adjusted NOS-measured storm tide
(Canaveral-Trident gage)



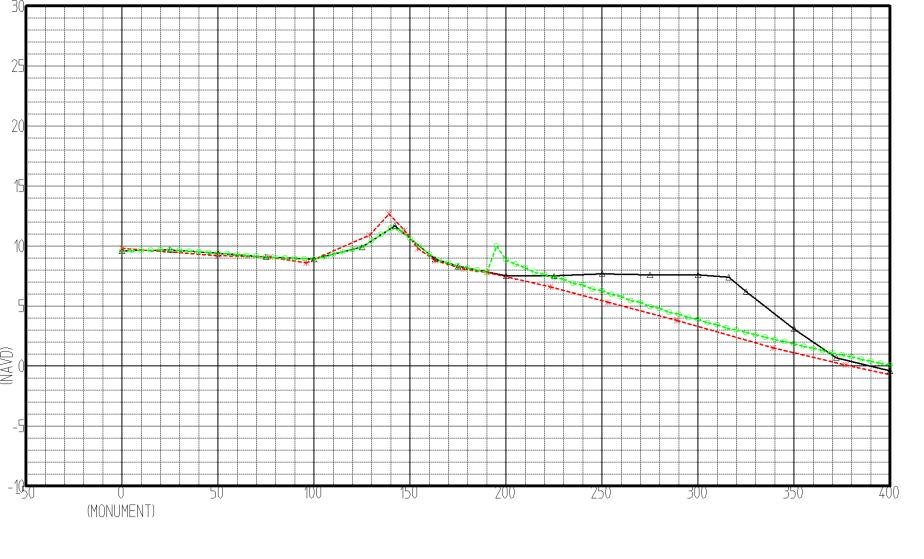
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES |
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| | 2004-09-09 POST-FRANCES |
| | Adj-CanCW Eroded |
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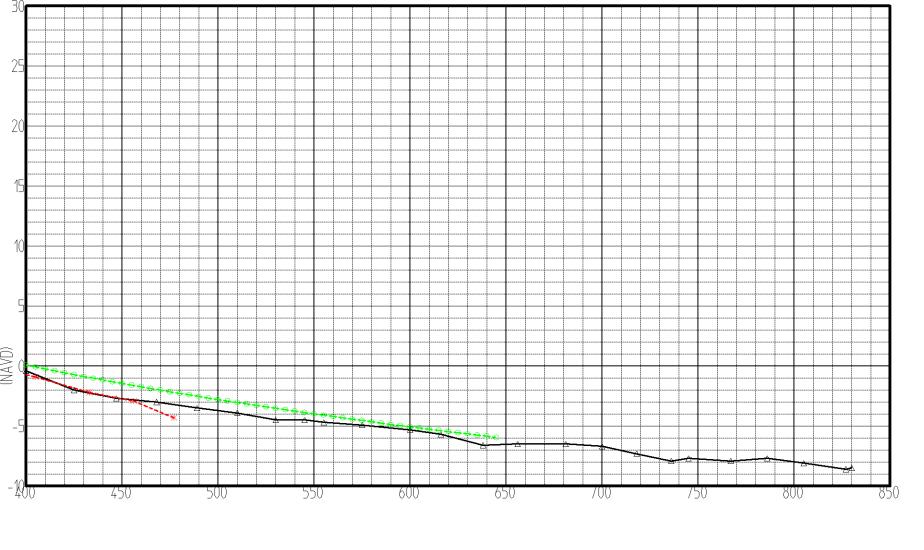
Range: R-8 2/2
BEARING: 90.00



| BEACH PROFILE |
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES |
| • Adj-CanCW Eroded |

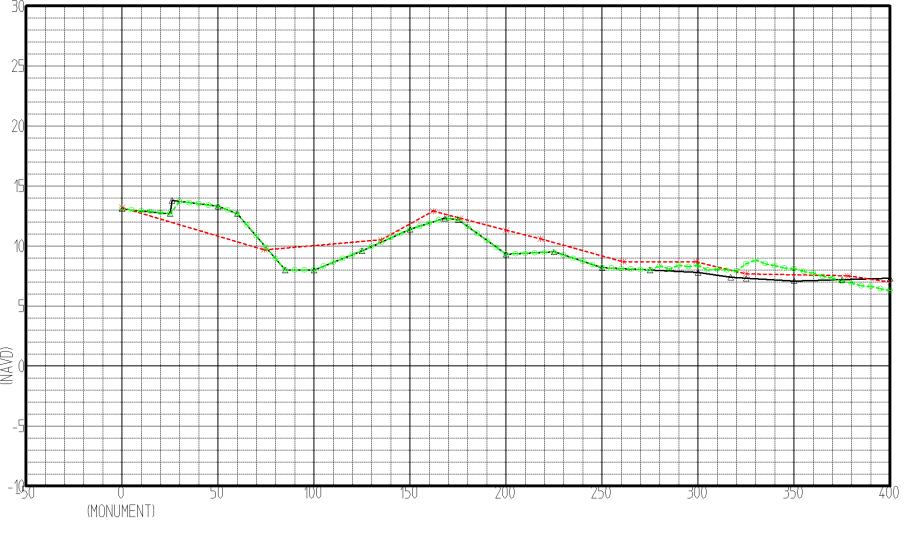
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| Range: _{R-17} | | 1/2 |
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| BEARING: | 90.00 | |



| BEACH PROFILE |
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| Adj-CanCW Eroded |

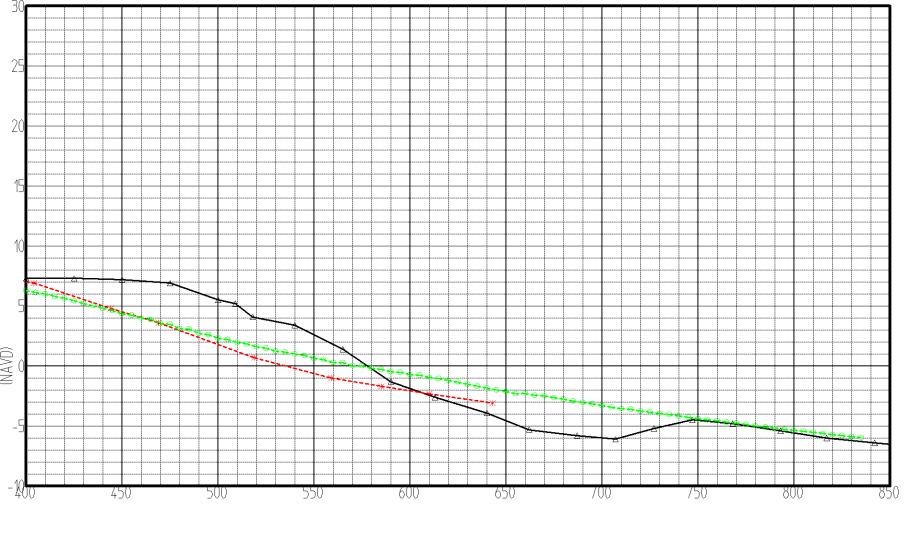
| Range: _{R-17} | | 2/2 |
|------------------------|-------|-----|
| BEARING: | 90.00 | |



| BEACH PROFILE |
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Range: R-28-T 1/3

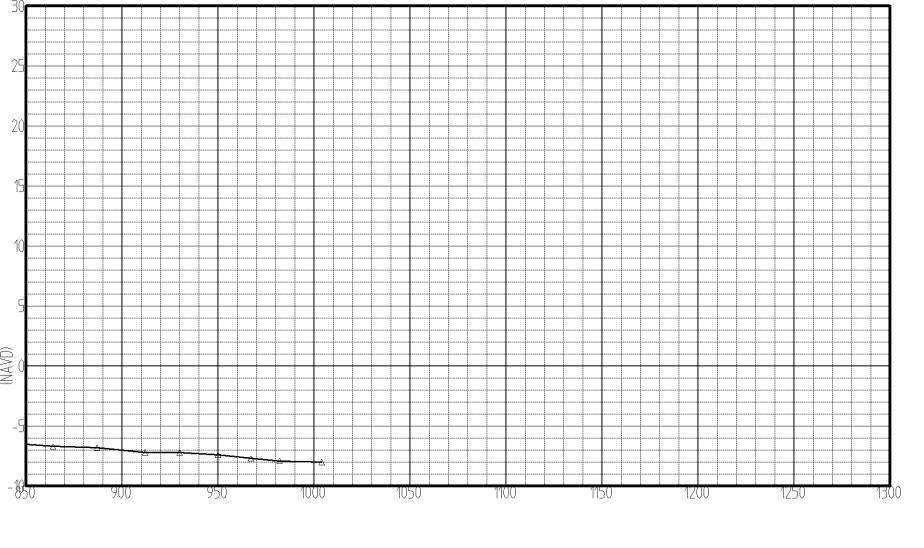
BEARING: 90.00



| BEACH PROFILE |
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| • Adj-CanCW Eroded |

| Range: R-28-T | | 2/3 |
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| BEARING: | 90.00 | |

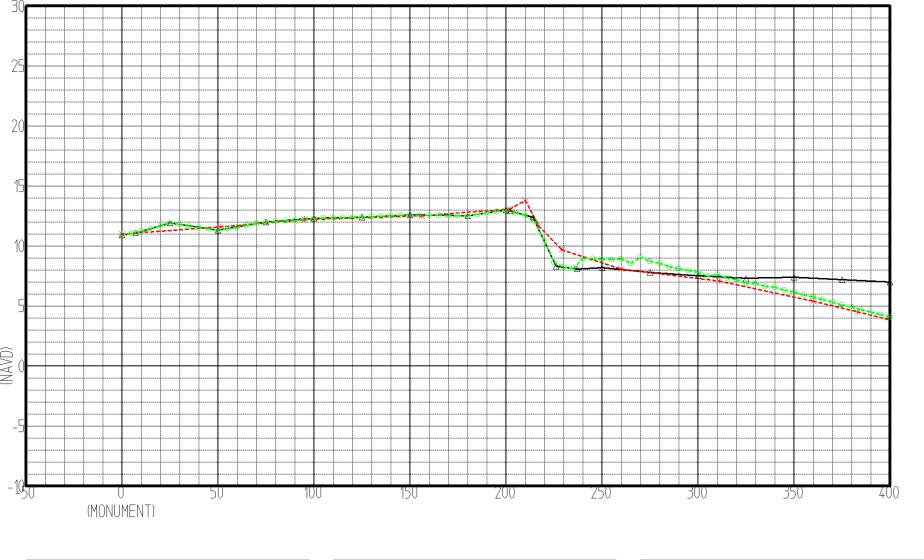
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| BEACH PROFILE |
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adj-CanCW Eroded |
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| Range: R-28-T | | 3/3 |
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| BEARING: | 90.00 | |

5-25-10

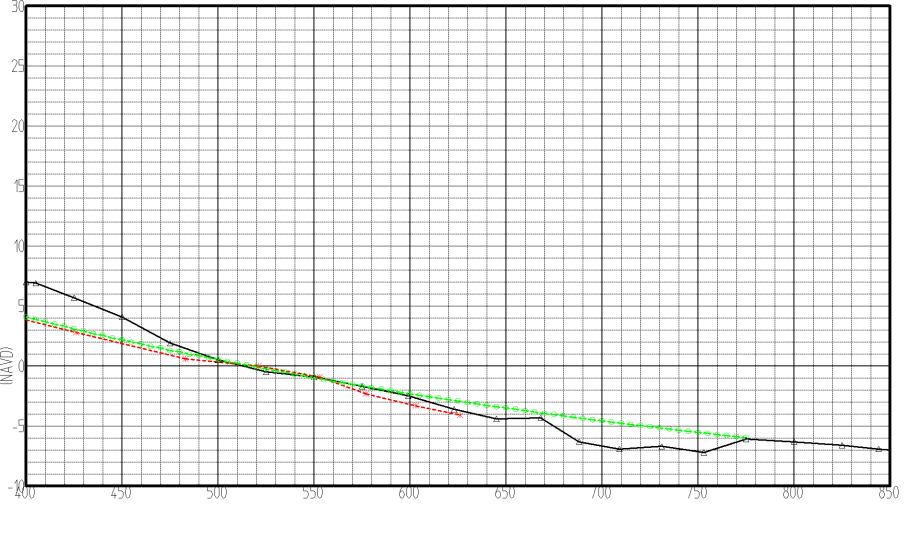


| | BEACH PROFILE |
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| - | 2004-05 PRE-STORM * |
| | Adj-CanCW Eroded |

BREVARD

Range: R-36 1/3

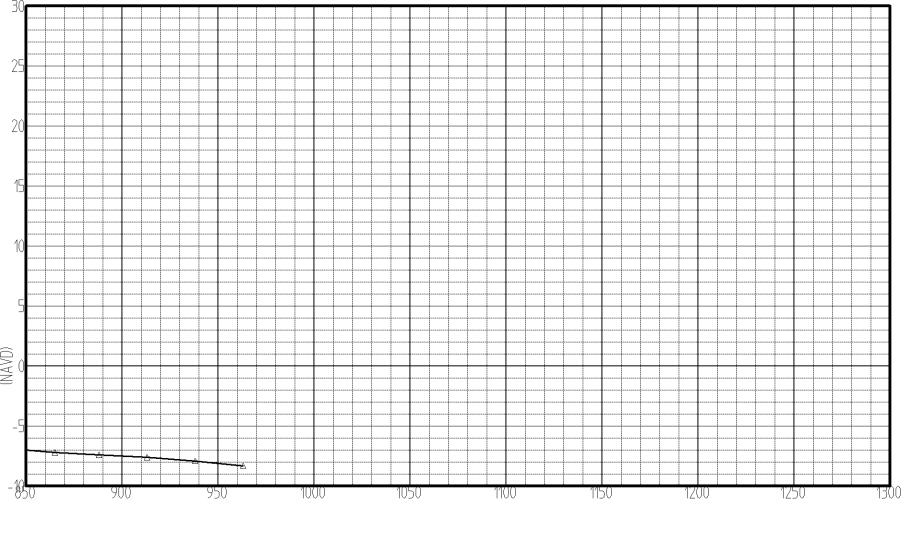
BEARING: 90.00



| BEACH PROFILE |
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| ⊕ Adj-CanCW Eroded |

| Range: R-36 | | 2/3 |
|-------------|-------|-----|
| BEARING: | 90.00 | |

5-25-10

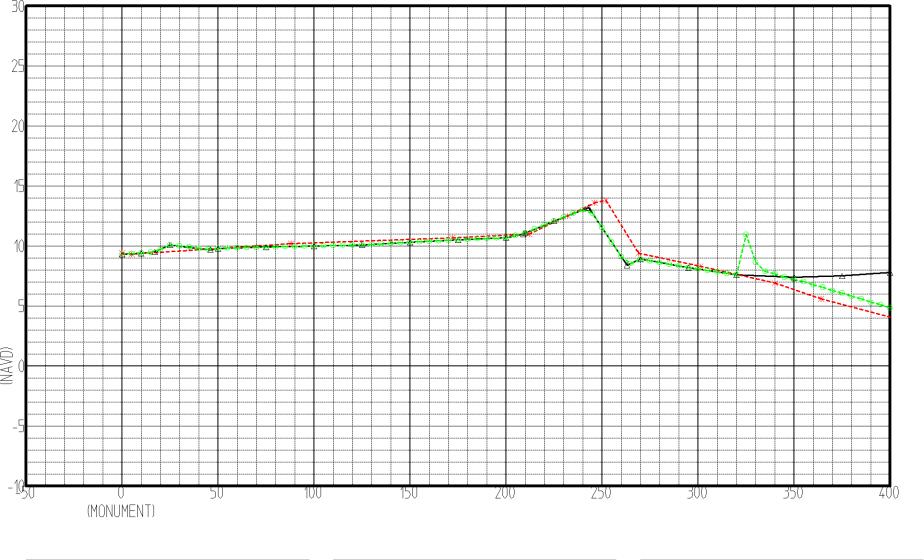


| BEACH PROFILE |
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| Auj-curiew Libded |

Range: _{R-36} 3/3

BEARING: 90.00

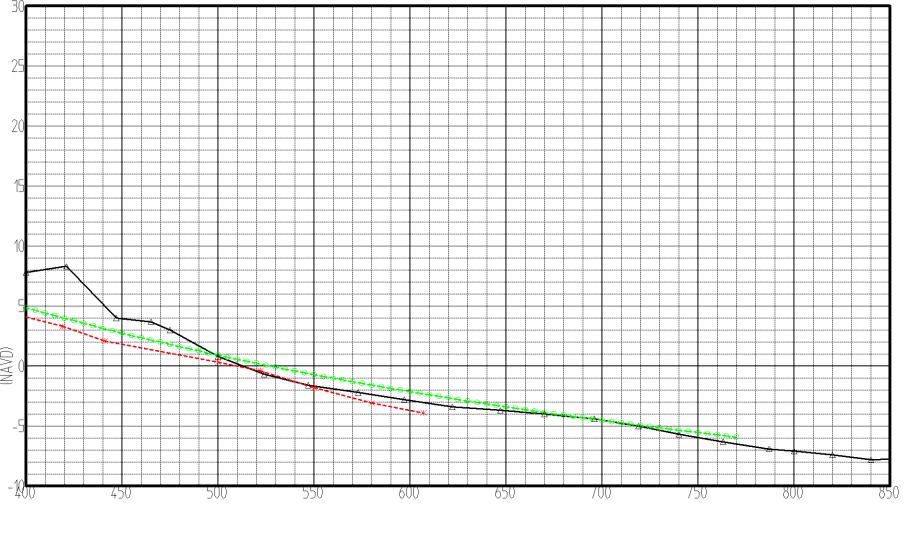
5-25-10



| BEACH PROFILE |
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Range: R-46 1/3

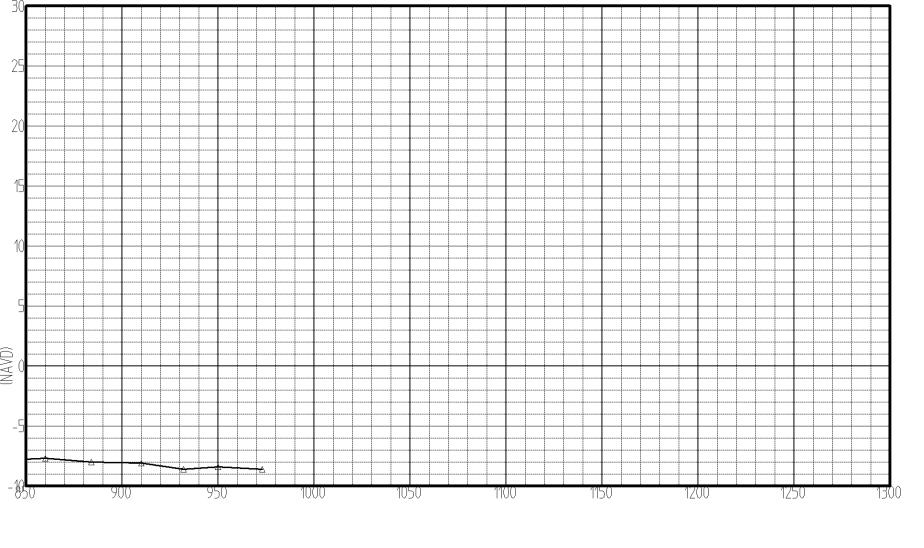
BEARING: 90.00



| BEACH PROFILE |
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| • Adj-CanCW Eroded |

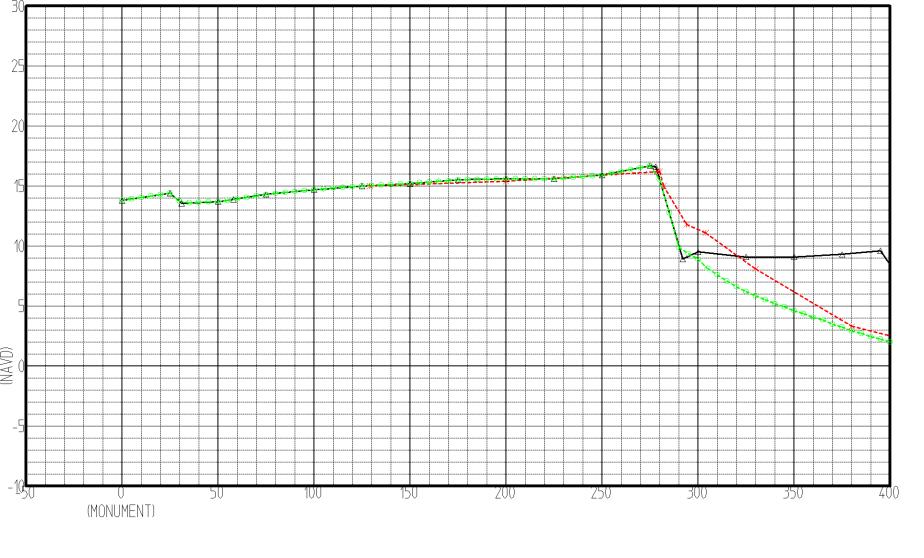
| Range: R-46 | | 2/3 |
|-------------|-------|-----|
| BEARING: | 90.00 | |

5-25-10



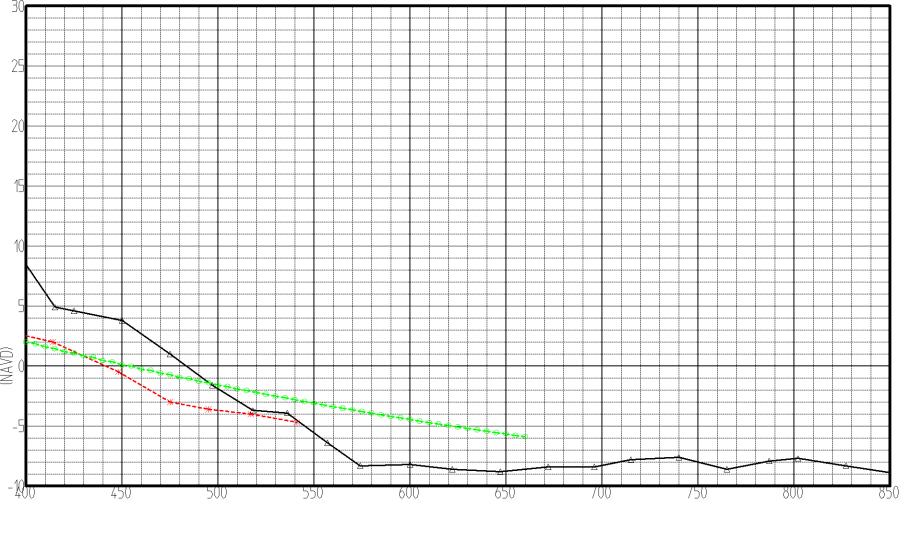
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| 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adj-CanCW Eroded |
| 7 // / Carlew Eroded |

Range: R-46 3/3
BEARING: 90.00



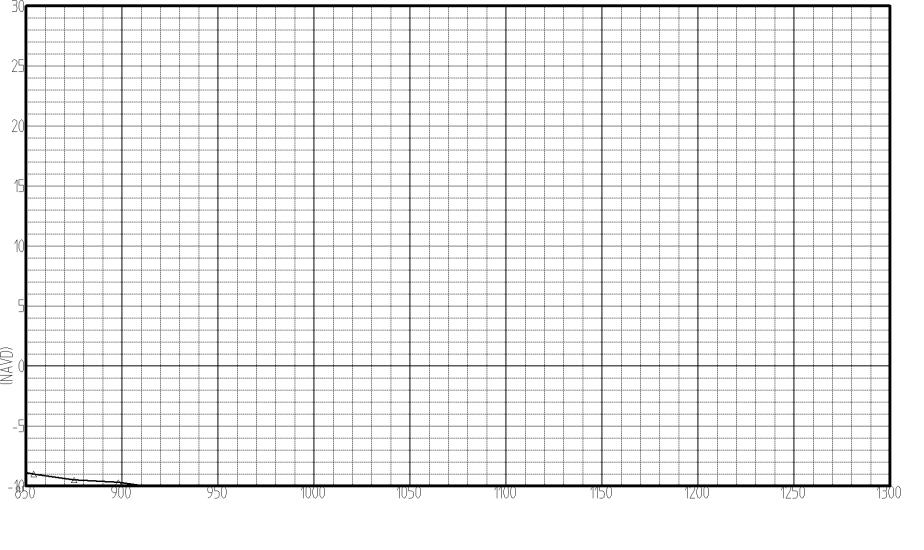
| BEACH PROFILE |
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| Range: R-121-T | | 1/3 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



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| | 2004-05 PRE-STORM |
| * | 2004-09-09 POST-FRANCES |
| ⊕ | Adj-CanCW Eroded |
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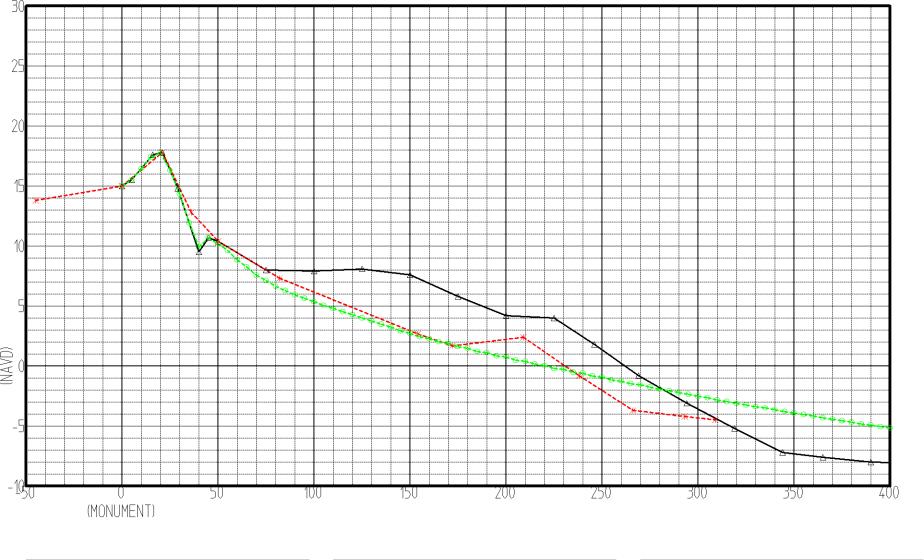
| Range: R-121-T | | 2/3 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



| BE | ACH PROFILE |
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| * | 2004-05 PRE-STORM 2004-09-09 POST-FRANCES Adi-CanCW Eroded |
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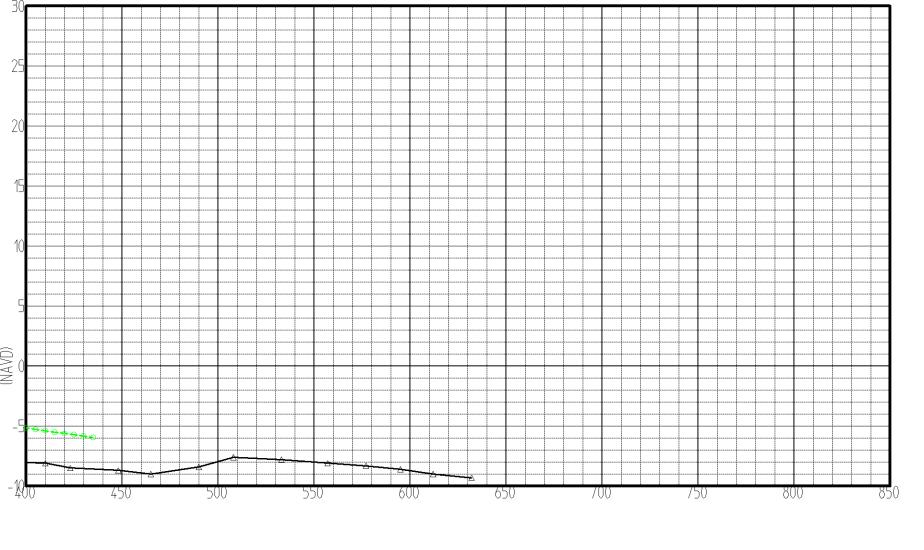
Range: R-121-T 3/3

BEARING: 80.00



| BEACH PROFILE |
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| Range: R-126-T | | 1/2 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



| BEACH PROFILE |
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| Range: R-126-T | | 2/2 |
|----------------|-------|-----|
| BEARING: | 80.00 | |

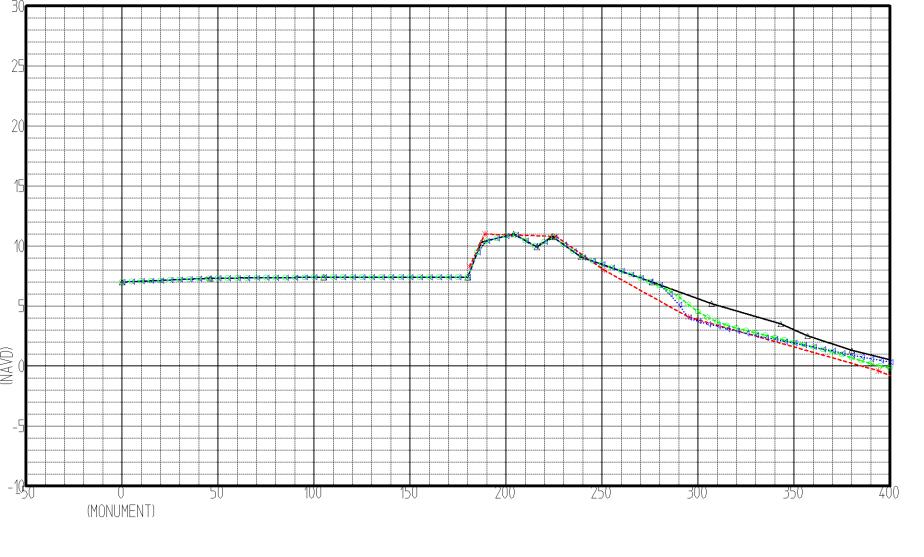
SBEACH Model Calibration Profile Plots

for

Brevard County

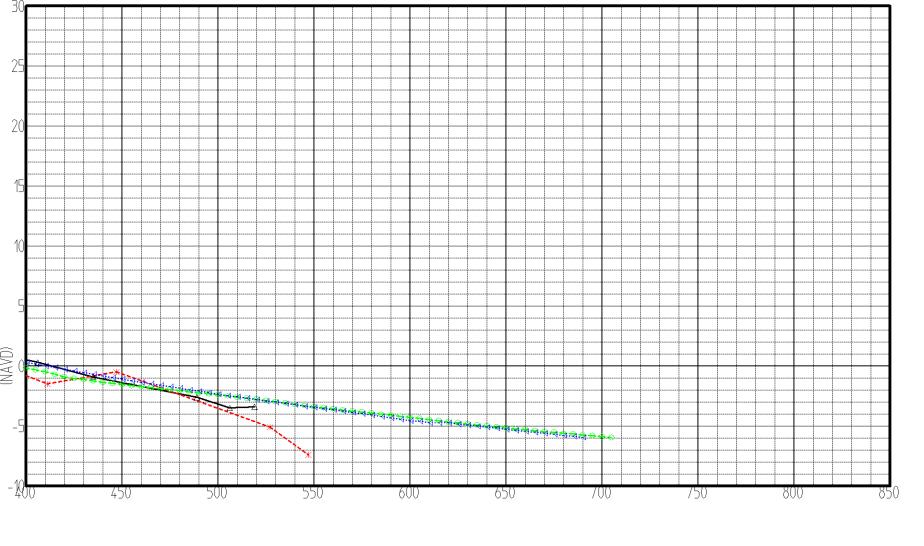
Hurricane Jeanne

Pre-Storm (September 9, 2004)
Post-Storm (September 24, 2004)
SBEACH Eroded Profiles (2 SBEACH eroded profiles):
SBEACH Profile 1 with- adjusted Spessard-measured storm tide
adjusted Spessard-measured wave input
SBEACH Profile 2 with- adjusted Spessard-measured storm tide
adjusted constant wave input (12ft.-9sec.)



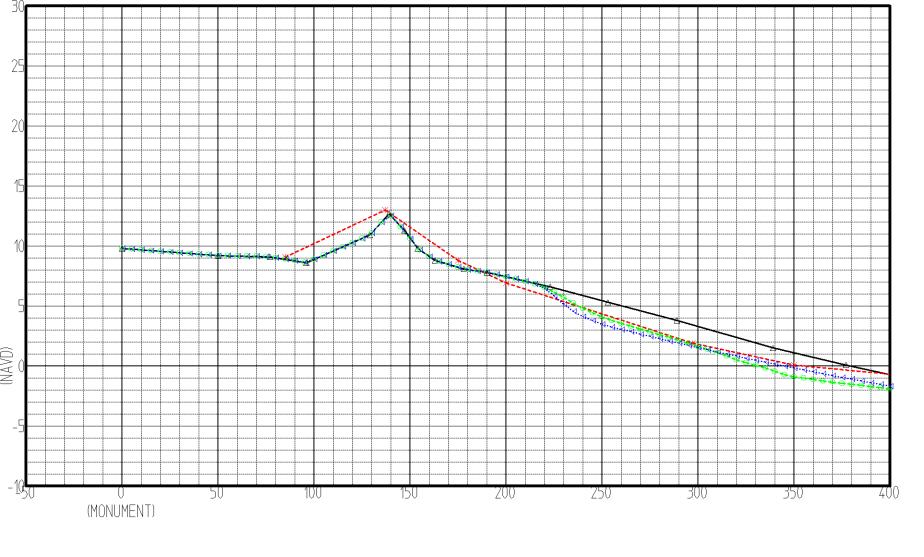
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| | DE LOU DRAEU E |
| | BEACH PROFILE |
| | DEFICIT FINDFILE |
| | ── △ BREVARD POST-FRANCES |
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| | DDEVADD CDEACH EDODED |
| | I⊕ BKEVAKU SBEALH EKUDEU |
| | SBCH EDODE CW NOADI |
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| Range: _{R-8} | | 1/2 |
|-----------------------|-------|-----|
| BEARING: | 90.00 | |



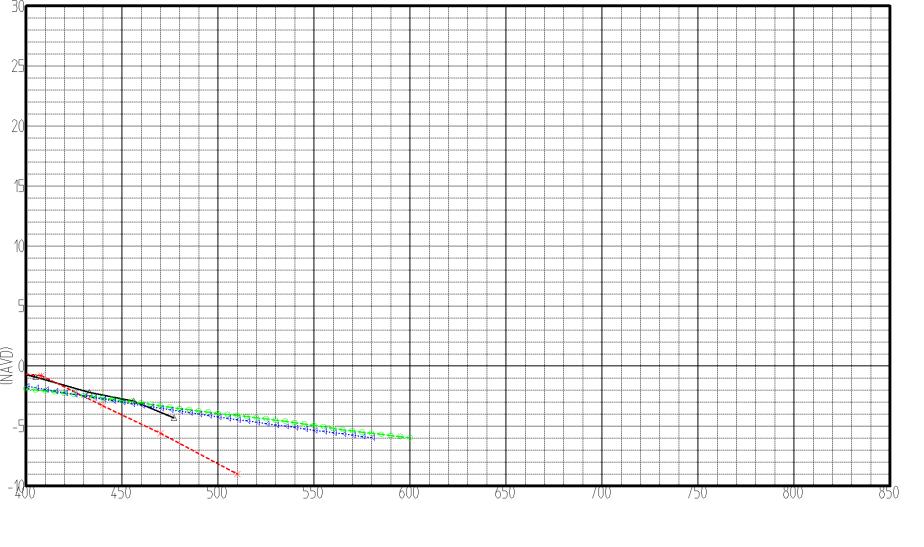
| BEACH PROFILE |
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| DEACH FINDUEL |
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| #** DREVARU PUST-JEANNE |
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| DIVENAUD ODERCH FLOOPED |
| ISRCH FRODE CW_NOADI |

Range: R-8 2/2
BEARING: 90.00



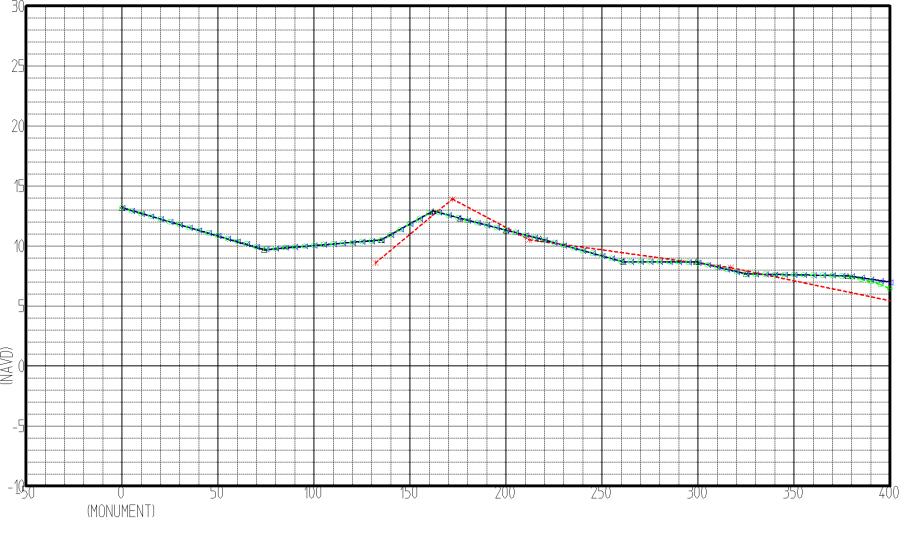
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| BEACH PROFILE |
| DDEVADD DAGT EDANCES |
| BREVARD POST-FRANCES |
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| M M DIVENTING LOGI SEMINE |
| I BREVARD SREACH FRODED |
| CDCH EDODE CA MOADI |
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| Range: _{R-17} | | 1/2 |
|------------------------|-------|-----|
| BEARING: | 90.00 | |



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| | DE AGU DDAEU E |
| | BEACH PROFILE |
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| | BREVARD POST-FRANCES |
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| | DDEVADD CDEACH EDODED |
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| | SBCH FRONE CW NOADI |
| | ** BREVARD POST-JEANNE |

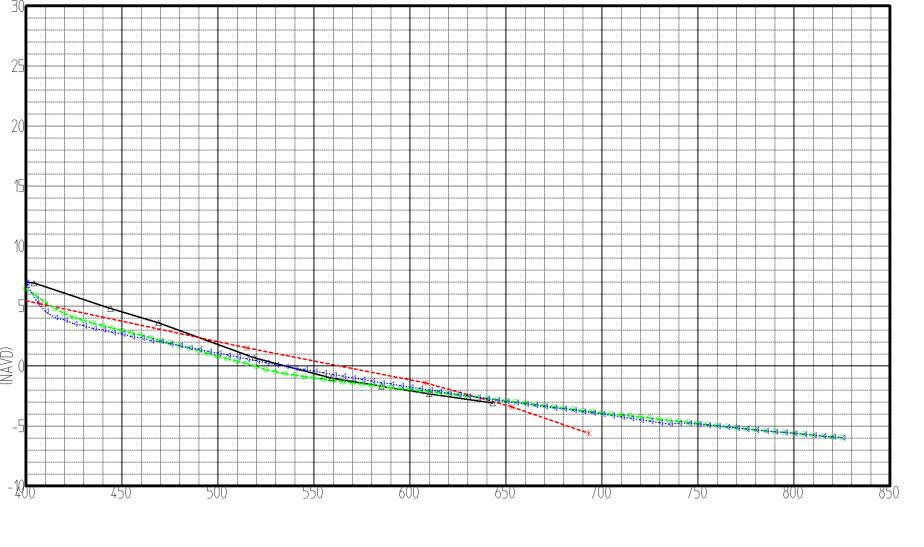
| Range: _{R-17} | | 2/2 |
|------------------------|-------|-----|
| BEARING: | 90.00 | |



| ■ RE | ACH PROFILE |
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| UL | ACHTINOLIEE |
| | DDEVADD DACT EDANCES |
| <u> </u> | BREVARD POST-FRANCES |
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| | PINE AVERY SPECIAL PROPER |
| | SRCH ERODE I WENDADI |

Range: R-28-T 1/2

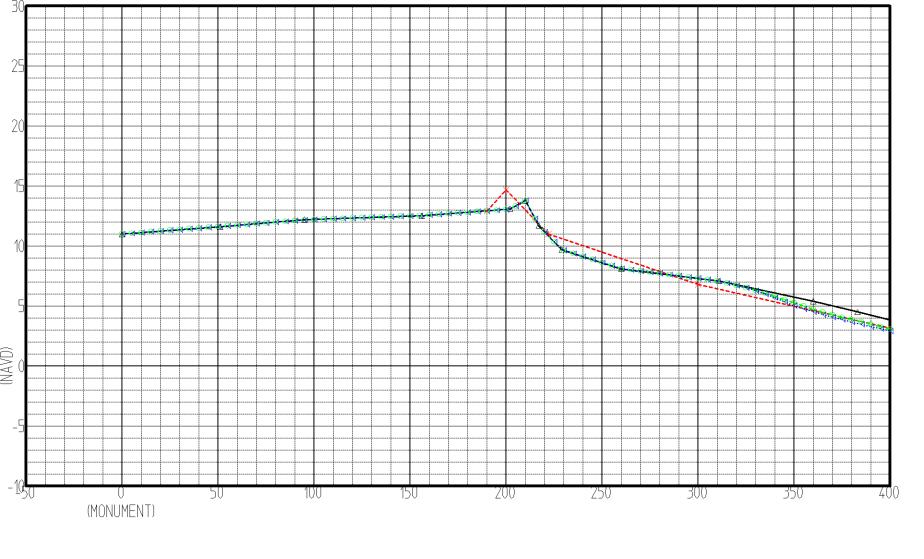
BEARING: 90.00



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| BEACH PROFILE |
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| BREVARD POST-FRANCES |
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| I* BREVARD POST_IFANNE |
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| I⊕ BREVARD SBEACH ERODED |
| ············ SBCH FRODE CW-NOADJ |
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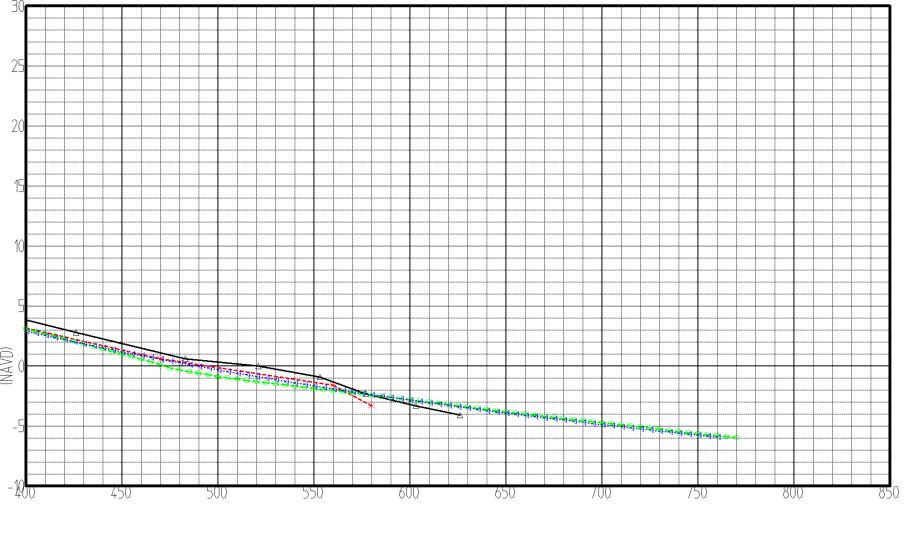
Range: R-28-T 2/2

BEARING: 90.00



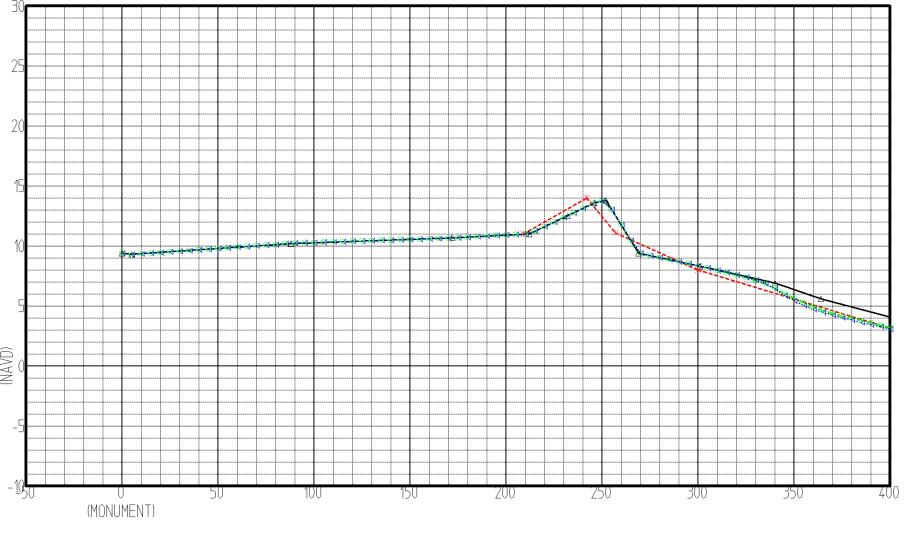
| BEACH PROFILE |
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| BREVARD POST-FRANCES BREVARD POST-JEANNE |
| BREVARD SBEACH ERODED SBCH ERODE CW-NOADJ |

| Range: R-36 | | 1/2 |
|-------------|-------|-----|
| BEARING: | 90.00 | |



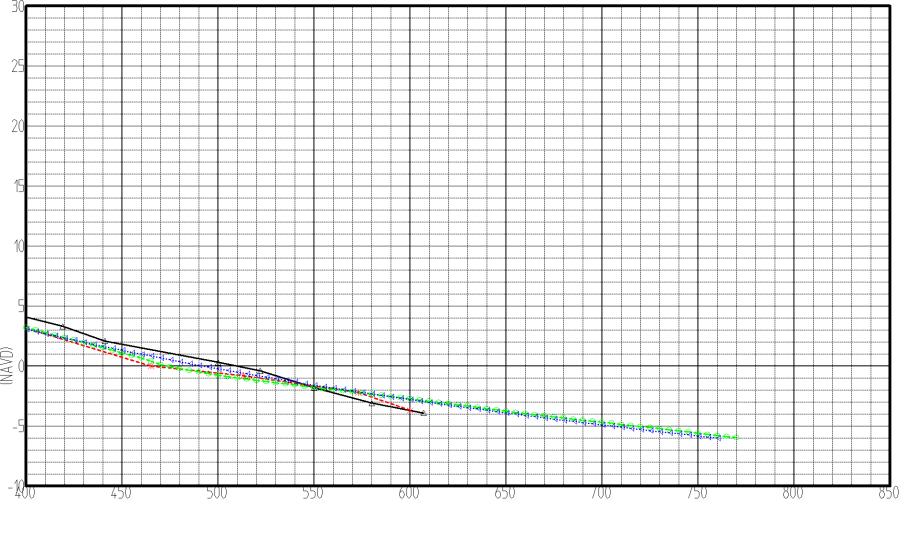
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| I D | FACH PROFILE |
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| | - BREVARD POST-IFANNE |
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| | - RREVARD SREACH FRODED |
| | - DINEVAIND SDEACH ENOULD |
| 44 | · SBCH FRODE CW-NOADJ |
| | · . NOCH FIXODA FIWEINORIA |

Range: R-36 2/2
BEARING: 90.00



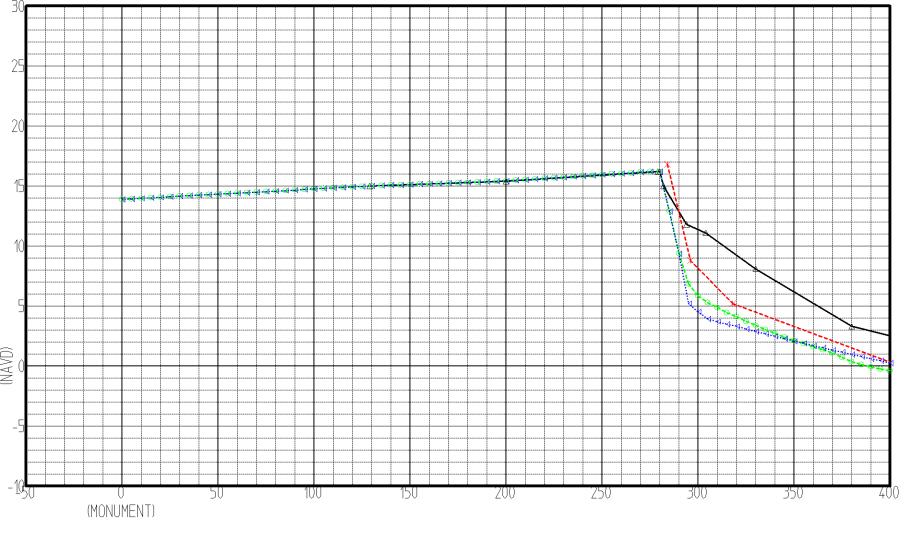
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| | BEACH PROFILE |
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| | ── △ BREVARD POST-FRANCES |
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| | SBCH EDODE CW NOADI |
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| Range: R-46 | | 1/2 |
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| BEARING: | 90.00 | |



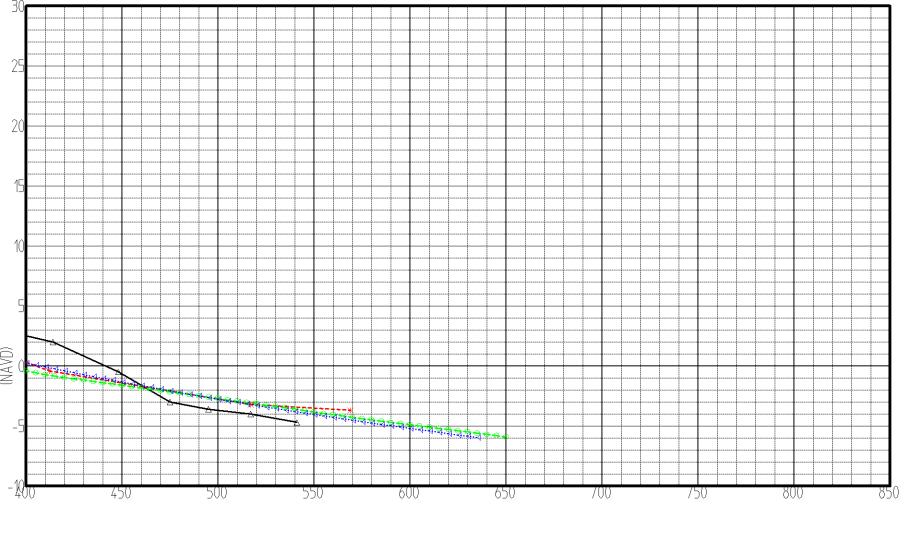
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| 44 | · SBCH FRODE CW-NOADJ |
| | · . NOCH FIXODA FIWEINORIA |

Range: R-46 2/2
BEARING: 90.00



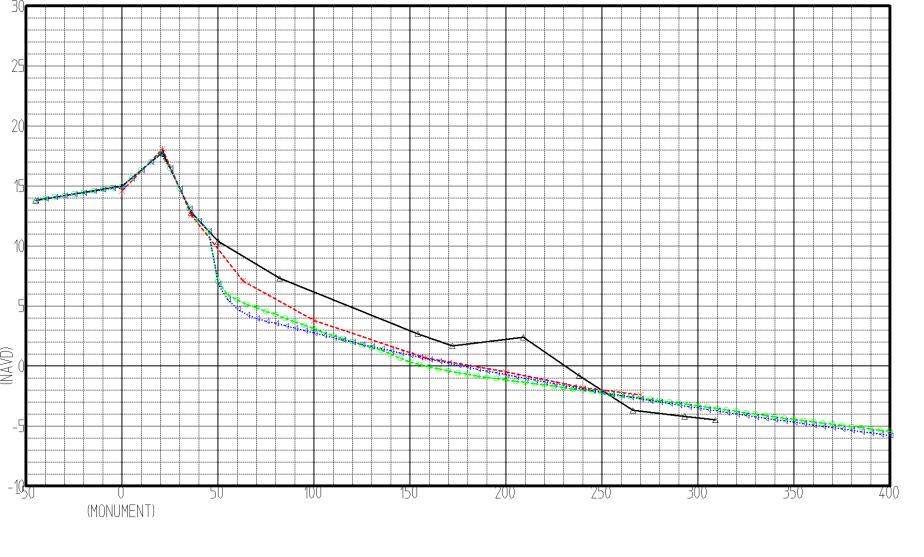
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| BREVARD POST-FRANCES |
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| I BREVARD SREACH FRODED |
| CDCH EDODE CA MOADI |
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| Range: R-121-T | | 1/2 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



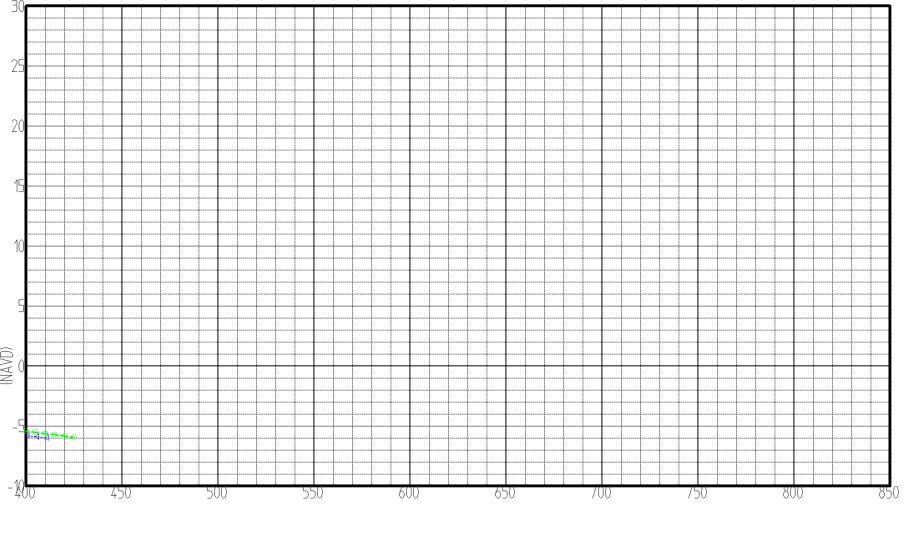
| T n | IE A CLI, DDAEILE |
|-----|------------------------------|
| | BEACH PROFILE |
| _ | |
| | - BREVARD POST-FRANCES |
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| | - BREVARD POST-IFANNE |
| | DIVE AN UND I GOT DESCRIPTE |
| | - BREVARD SREACH FRODED |
| | - DIVENAUD ODEACH FUODED |
| 44 | · SBCH FRODE (W-NOAD) |
| | * . NOCTE E IXOLA E W-IXOALA |

| Range: R-121-T | | 2/2 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



| RL | ACH PROFILE |
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| UL | ACHTINOLLE |
| | DDEVADD DOCT EDANCES |
| <u> </u> | BREVARD POST-FRANCES |
| | BREVARD POST-JEANNE |
| | DITE TARRET OUT SEATTHE |
| | RREVARD SREACH FRODED |
| | ODCIL EDODE CIT MONDI |
| 44 | SBCH FRODE LW-NUADJ |

| Range: R-126-T | | 1/2 |
|----------------|-------|-----|
| BEARING: | 80.00 | |



| RE | ACH PROFILE |
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| | DDEVADD DACT EDANCES |
| <u>A</u> | BREVARD POST-FRANCES |
| | RREVARD POST_IFANNE |
| * * | DIVE AVUING I GOT DEVUNING |
| | RREVARD SREACH ERODED |
| | ALLENATION SELVICIONE DE LA CONTRACTOR D |
| 44 | SRCH FRONE I W-NOADI |

Range: R-126-T 2/2

BEARING: 80.00