| Sportsman 401 |  |  |
| :---: | :---: | :---: |
|  | Maneuver | K factor |
| 1 | Takeoff (U) | 1 |
| 2 | Straight flight Out (U) | 1 |
| 3 | Stall turn without rolls | 2 |
| 4 | Straight Flight Back (D) | 1 |
| 5 | Half Reverse Cuban 8 | 2 |
| 6 | Two Inside Loops (U) | 2 |
| 7 | Two Point (2/2pt) Roll (D) | 2 |
| 8 | Half Cuban Eight | 2 |
| 9 | Cobra without Rolls (U) | 1 |
| 10 | Immelman Turn | 2 |
| 11 | 45 degree Downline (D) | 1 |
| 12 | Vertical UPline (on center) (U) | 1 |
| 13 | Split-S | 2 |
| 14 | One Horizontal Roll (D) | 1 |
| 15 | Half Reverse Cuban 8 | 2 |
| 16 | Double Immelmann without Rolls |  |
| 17 | (U) | 2 |
|  | Landing | 1 |
|  | TOTAL | 26 |


| Intermediate 402 |  |  |
| :---: | :---: | :---: |
|  | Maneuver | K factor |
| 1 | Takeoff (U) | 1 |
| 2 | Square Loop (U) | 3 |
| 3 | Half Reverse Cuban Eight | 2 |
| 4 | Two (2) Horizontal Rolls (D) | 2 |
| 5 | Half Square Loop with $1 / 2$ Roll up | 2 |
| 6 | One Outside Loop from top (U) | 2 |
| 7 | Split S with 2/4pt roll (2/4pt roll, $1 / 2$ Inside <br> Loop | 2 |
| 8 | Two Half Rolls Reversed (pause in <br> Middle) (D) | 3 |
| 9 | Humpty Bump with options | 2 |
| 10 | Non-Rolling Triangle Loop (U) | 2 |
| 11 | Stall Turn without Rolls | 2 |
| 12 | Top Hat with $1 / 2$ rolls up and down (D) | 3 |
| 13 | Half Inside Loop, exit inverted | 1 |
| 14 | 45 Degree Downline, w/ $1 / 2$ roll in middle <br> (U) | 2 |
| 15 | Half Cuban Eight | 2 |
| 16 | Double Immelman with $1 / 2$ rolls (D) | 3 |
| 17 | Reverse Shark's Tooth, Half Roll on 45 <br> upline | 3 |
| 18 | Stall Turn with $1 / 4$ rolls (U) | 3 |
| 19 | Landing (U) | 1 |
|  | TOTAL | 41 |
|  |  |  |


| Advanced 403 |  |  |
| :---: | :---: | :---: |
|  | Maneuver | K factor |
| 1 | Takeoff (U) | 1 |
| 2 | Stall Turn with $3 / 4$ Rolls up and down (U) | 3 |
| 3 | Half Reverse Cuban Eight | 2 |
| 4 | Slow Roll (D) | 3 |
| 5 | Immelman turn | 2 |
| 6 | Six Sided, outside loop from top (U) | 4 |
| 7 | Bunt with $1 / 2$ Roll out | 2 |
| 8 | Triangle Rolling Loop (D) | 4 |
| 9 | Stall Turn with $1 / 2$ Rolls up and down | 2 |
| 10 | Avalanche (U) | 3 |
| 11 | Humpty Bump with options | 2 |
| 12 | Four Point Roll (D) | 4 |
| 13 | Half Square Loop with $1 / 2$ roll up | 2 |
| 14 | 45 Degree down, One Positive snap (U) | 3 |
| 15 | Top Hat with $1 / 4$ rolls | 2 |
| 16 | Reverse Cuban 8 with $1 / 2$ rolls (D) | 3 |
| 17 | Half Square Loop with 2/4pt roll up | 2 |
| 18 | Three Turn Spin (U) | 3 |
| 19 | Landing (U) | 1 |
|  | TOTAL |  |
|  | T | 48 |


| Masters 404 |  |  |
| :---: | :---: | :---: |
|  | Maneuver | K factor |
| 1 | Takeoff (U) | 1 |
| 2 | Reverse Cuban 8, 4/8pt. Roll first, 2/2pt Roll second, exit Inverted (U) | 4 |
| 3 | Stall Turn $1 / 2$ rolls up \& down, Exit Inv | 2 |
| 4 | Two 2/4pt Rolls Reversed Inv to Inv | 4 |
| 5 | Humpty Bump (push, pull, pull), full roll up | 3 |
| 6 | Figure M with $3 / 4$ Rolls (U) | 5 |
| 7 | Top Hat 3/4pt Roll up, 1/4 Roll Down | 2 |
| 8 | Triangle Snap Loop (D) | 4 |
| 9 | Half Square Loop, 2/4pt Roll up | 2 |
| 10 | Reverse Golf Ball from top, with $1 / 2$ Rolls <br> (U) | 4 |
| 11 | Split S with 2/4pt roll (2/4pt roll, $1 / 2$ Inside Loop) | 2 |
| 12 | Slow Roll (D) | 3 |
| 13 | Half Cuban 8, 2/2pt down, Exit Inverted | 2 |
| 14 | Six Sided Outside Loop, exit Inverted (U) | 4 |
| 15 | Humpty Bump w/Options, Exit Inverted | 3 |
| 16 | Square Horizontal Eight, exit Inverted (D) | 5 |
| 17 | Half Square loop, 2/2pt Roll up | 2 |
| 18 | 45 degree down, 1 ½ positive snap roll, exit Inverted (U) | 3 |
| 19 | Stall Turn, Full Roll up, 2/4pt Roll down | 2 |
| 20 | Two Point roll, Slow Roll Reversed (D) | 4 |
| 21 | Immelman Turn | 2 |
| 22 | 2-1/2 spin, half roll exit (U) | 3 |
| 23 | Landing (U) | 1 |
|  |  |  |
|  | TOTAL | 67 |

